



# Global Common Components List

Revision: 2.7, Date: 2/9/2023

[Product Recommendation](#)

SMC Corporation (of America)



[Air Preparation Equipment](#)



[Valves and Controls](#)



[Sensors and Instrumentation](#)



[Vacuum](#)



[Flow Controls, Tubing, Fittings](#)



[Global Contact Information](#)



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## REVISION INFORMATION<sup>1</sup>

| Revision | Date Revised | Content                                                                                               | Pages Affected |
|----------|--------------|-------------------------------------------------------------------------------------------------------|----------------|
| 1.0      | 12-10-2020   | Creation of GCCL Specification Book, Add online catalog                                               | All            |
| 2.0      | 11/4/2021    | Reformat GCCL Specification Book                                                                      | All            |
| 2.1      | 11/4/2021    | Added New GM Logo                                                                                     | 1              |
| 2.2      | 11/4/2021    | Updated ISE70-F02-43-X504 with ISE70-F02-L2 pressure switch                                           | 24             |
| 2.3      | 11/4/2021    | Updated obsolete part numbers (ISE*, ZFC, ZH*)                                                        | 24, 25         |
| 2.4      | 11/4/2021    | Added KQ2 Fitting Part Numbers, Added KR Part Numbers                                                 | 34-78          |
| 2.5      | 11/4/2021    | Added KR Part Numbers                                                                                 | 34-78          |
| 2.6      | 6/6/2022     | Updated AC Part Numbers (AC40X*, AC60X-F06*, AC60X-F10*), Corrected (Removed "metal") AN Part Numbers | 5, 12          |
| 2.6      | 6/21/2022    | Removed AC Part Numbers AC60X-F06-6-B-X2127, AC60X-F10-6-B-X2145, Air Prep Prints Updated             | 5, 6           |
| 2.7      | 2/9/2023     | Removed DAK00314 and DAK00315, Added VQC4000-PW-03F-X530 & VQC5000-PW-04F-X530                        | 15, 17         |

<sup>1</sup>Minor updates will be measured in 0.1 increments, while major/annual updates will be measure in 1.0 increments.

## RESOURCES

- Website: [www.smcusa.com](http://www.smcusa.com)
  - Secondary Battery Configurators, <https://www.smcusa.com/products/secondary-battery/>
- Global Website: [www.smcworld.com](http://www.smcworld.com)
- Instruction/Operation Manuals and Configuration Files: <https://www.smcusa.com/help-support/instruction-and-operation/>
- E-tools
  - Software Sizing tools: <https://www.smcusa.com/help-support/etools/>
  - Sensor/Switch Procedure Setting tool <https://mssc.smcworld.com/dsmss/index.php/?language=en>
  - Electric Actuator Selection Software [https://mssc.smcworld.com/eamss/index.php?language=en&\\_ga=2.27167989.978602424.1624282735-1471600561.16234262874](https://mssc.smcworld.com/eamss/index.php?language=en&_ga=2.27167989.978602424.1624282735-1471600561.16234262874)



## AIR PREPARATION

SMC's air preparation (FRL) products offer a wide variety of filter, regulator, and lubricator units. Combination units include air filter regulator, air filter regulator mist separator, as well as ambient dryers, booster regulators, precision regulators, mist separators, and a wide range of accessories.

Pressure regulators from SMC have been updated to the new urban white base color for a clean modern look. The pressure drop across the regulator has been reduced to create a more efficient unit with a maximum set pressure of 100 psi. The locking adjustment knob prevents accidental setting changes. Options include a mounting bracket and set nuts for panel mounting as well as pressure gauges.

### AIR PREPARATION ASSEMBLIES, AC SERIES

|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                   |        |             |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|
| <div></div> <div><i>*Representative Image</i></div> | <div>Documentation</div> <div><div><div>Air Preparation Assemblies</div></div><div><div>Powertrain Only</div></div></div> <div>Standard product configurator/catalog/CAD:</div> |        |             |
| Assemblies                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                   |        |             |
| SMC Part Number                                                                                                                      | Description                                                                                                                                                                                                                                                                                                                                       | GCCL # | Common Code |
| AC50X-F06-6-A-X2123                                                                                                                  | Air Prep, Robot, 3/4 Inch G                                                                                                                                                                                                                                                                                                                       | 31600  | 0361018K    |
| AC60X-F10-6-A-X2119                                                                                                                  | Air Prep, Global tooling, 1 Inch G                                                                                                                                                                                                                                                                                                                | 31601  | 0361018R    |
| AC50X-F06-6-A-X2473                                                                                                                  | Air Prep, Global Station 3/4 Inch G                                                                                                                                                                                                                                                                                                               | 31630  | 03610184    |
| AC40X-F04-6-A-X2473                                                                                                                  | Air Prep, Global Station 1/2 Inch G                                                                                                                                                                                                                                                                                                               | 31631  | 0361018G    |
| AC40D-F04-6-B-X2474                                                                                                                  | Air Prep, General Assembly, 1/2 Inch G                                                                                                                                                                                                                                                                                                            | 31637  | 0361018F    |
| AC60X-F06-6-B-X2127                                                                                                                  | Air Prep, General Assembly, 3/4 Inch G                                                                                                                                                                                                                                                                                                            | 31638  | 0361018P    |
| AC60X-F06-6-B-X2124                                                                                                                  | Air Prep, Global Offline 3/4 Inch G                                                                                                                                                                                                                                                                                                               | 31635  | 0361018N    |
| AC40X-F04-A-X2457                                                                                                                    | Air Prep, Turntable Main Feed, 1/2 Inch G                                                                                                                                                                                                                                                                                                         | 31634  | 036100RL    |
| AC60X-F10-6-A-X2126                                                                                                                  | Air Prep, Turntable Main Feed, 1 Inch G                                                                                                                                                                                                                                                                                                           | 31632  | 0361018T    |
| AC50X-F06-A-X2127                                                                                                                    | Air Prep, Turntable Main Feed, 3/4 Inch G                                                                                                                                                                                                                                                                                                         | 31633  | 036100RK    |
| AC40X-F06-6-B-X2456                                                                                                                  | Air Prep, Low Automation 3/4 Inch G                                                                                                                                                                                                                                                                                                               | 31636  | 036100RF    |
| AC60X-F06-6-B-X2104                                                                                                                  | Air Prep, Brake and Fluid Fill, 3/4 Inch G                                                                                                                                                                                                                                                                                                        | 31639  | 0361018M    |
| AC40D-F04-6-B-X2468                                                                                                                  | Air Prep, Brake and Fluid Fill, 1/2 Inch G                                                                                                                                                                                                                                                                                                        | 31640  | 0361018A    |
| AC60X-F10-6-B-X2145                                                                                                                  | Air Prep, General Assembly 1 inch G                                                                                                                                                                                                                                                                                                               | 31644  |             |
| Powertrain Only                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                   |        |             |

|                     |                                  |       |          |
|---------------------|----------------------------------|-------|----------|
| AC40X-F04-6-B-X2136 | Air Prep, Powertrain, 1/2 Inch G | 31641 | 0361018H |
| AC60X-F06-6-B-X2103 | Air Prep, Powertrain, 3/4 Inch G | 31642 | 0361018L |
| AC60X-F10-6-B-X2103 | Air Prep, Powertrain, 1 Inch G   | 31643 | 0361018V |

## AIR FILTERS, AF SERIES

|                                                                                                                       |                                                                                                                                                                                       |                    |                    |
|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|
|  <p><i>*Representative Image</i></p> | Documentation<br><br>Filter specs & how to order<br><hr/> Standard product configurator/catalog/CAD: |                    |                    |
|                                                                                                                       | SMC Part Number                                                                                                                                                                       | Description        | GCCL # Common Code |
| AF30-F02-6-A                                                                                                          | Filter, Particulate, 5 Micron 1/4 Inch - G Thread with Nylon Bowl                                                                                                                     | 31424              | 03397P7F           |
| AF40-F03-6-A                                                                                                          | Filter, Particulate, 5 Micron 3/8 Inch - G Thread with Nylon Bowl                                                                                                                     | 31425              | 03397P7G           |
| AF40-F04-6-A                                                                                                          | Filter, Particulate, 5 Micron 1/2 Inch - G Thread with Nylon Bowl                                                                                                                     | 31426              | 03397P7H           |
| AF50-F06-6-A                                                                                                          | Filter, Particulate, 5 Micron 3/4 Inch - G Thread with Nylon Bowl                                                                                                                     | 31427              | 03397P7J           |
| AF60-F10-6-A                                                                                                          | Filter, Particulate, 5 Micron 1 Inch - G Thread with Nylon Bowl                                                                                                                       | 31428              | 03397P7K           |
| AW40-F04-6-A                                                                                                          | Filter/ Regulator Combined to One Unit 1/2 Inch G Thread, with Nylon Bowl                                                                                                             | 31435              | 03610185           |
| AF800-N12                                                                                                             | Filter, Particulate, 5 Micron 1 1/4 in - NPT thread                                                                                                                                   | North America Only | 03397HVJ           |
| AF800-N14                                                                                                             | Filter, Particulate, 5 Micron 1 1/2 in - NPT thread                                                                                                                                   | North America Only | 03397JYM           |
| AF900-N20                                                                                                             | Filter, Particulate, 5 Micron 2 in - NPT thread                                                                                                                                       | North America Only | 03397HNF           |
| <b>Air Filter and Regulator Combo</b>                                                                                 |                                                                                                                                                                                       |                    |                    |
| AW40K-F04-6-B                                                                                                         | Filter/ Regulator Combined to One Unit 1/2 Inch G Thread with Internal Check Valve, with Nylon Bowl                                                                                   | 31445              | 03610186           |
| AW40K-F06-6-B                                                                                                         | Filter/ Regulator Combined to One Unit 3/4 Inch G Thread with Internal Check Valve, with Nylon Bowl                                                                                   | 31446              | 03610187           |
| AW60K-F06-6-B                                                                                                         | Filter/ Regulator Combined to One Unit 3/4 Inch G Thread with Internal Check Valve, with Nylon Bowl                                                                                   | 31447              | 03610188           |
| AW60K-F10-6-B                                                                                                         | Filter/ Regulator Combined to One Unit 1 Inch G Thread with Internal Check Valve, and Nylon Bowl                                                                                      | 31452              | 03610189           |
| <b>Maintenance Parts</b>                                                                                              |                                                                                                                                                                                       |                    |                    |

|            |                                              |       |          |
|------------|----------------------------------------------|-------|----------|
| AF30P-060S | Filter, Replacement Element for AF30 Series  | 31439 | 029768XH |
| AF40P-060S | Filter, Replacement Element for AF40 Series  | 31440 | 029768HN |
| AF50P-060S | Filter, Replacement Element for AF50 Series  | 31441 | 029768TG |
| AF60P-060S | Filter, Replacement Element for AF60 Series  | 31442 | 029768WA |
| 11345-5B   | Filter, Replacement Element for AF800 Series | 31443 | 029768CH |
| 11352-5B   | Filter, Replacement Element for AF900 Series | 31444 | 029768GF |

## MIST SEPARATORS, AFM/AWM/AM SERIES

|  <p><i>*Representative Image</i></p> | <p>Documentation</p> <p> Filter specs &amp; how to order</p> <p>Standard product configurator/catalog/CAD:</p> |                    |             |
|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|
|                                                                                                                       | <b>Mist Separator</b>                                                                                                                                                                           |                    |             |
| SMC Part Number                                                                                                       | Description                                                                                                                                                                                     | GCCL #             | Common Code |
| AFM40-F04-6-A                                                                                                         | Mist Separator, 1/2 Inch- G Thread, 0.3 Micron, Relieving Type with Nylon Bowl                                                                                                                  | 31433              | 070901PR    |
| AFM40-F06-6-A                                                                                                         | Mist Separator, 3/4 Inch- G Thread, 0.3 Micron, Relieving Type, with Nylon Bowl                                                                                                                 | 31448              | 070901PT    |
| <b>Mist Separator and Regulator Combo</b>                                                                             |                                                                                                                                                                                                 |                    |             |
| AWM30-F03                                                                                                             | Mist Separator/ Regulator, 3/8 Inch- G Thread, 0.3 Micron, Relieving Type                                                                                                                       | 31432              | 036100NA    |
| AWM40-F04                                                                                                             | Mist Separator/ Regulator, 1/2 Inch- G Thread, 0.3 Micron, Relieving Type                                                                                                                       | 31434              | 036100NF    |
| <b>Mainline</b>                                                                                                       |                                                                                                                                                                                                 |                    |             |
| AM550-F06-T                                                                                                           | Filter, Coalescent Filter, 0.3 Micron 3/4 Inch - G Thread & Element Service Indicator                                                                                                           | 31420              | 0709018H    |
| AM650-F10-T                                                                                                           | Filter, Coalescent Filter, 0.3 Micron 1 Inch- G Thread & Element Service Indicator                                                                                                              | 31421              | 070901A5    |
| AM850-N14-T                                                                                                           | Coalescent Filter, 0.3 Micron 1-1/2 in - NPT thread & Element Service Indicator                                                                                                                 | North America Only | 07090188    |
| AM850-N20-T                                                                                                           | Coalescent Filter, 0.3 Micron 2 in - NPT thread & Element Service Indicator                                                                                                                     | North America Only | 07090181    |
| <b>Maintenance Parts</b>                                                                                              |                                                                                                                                                                                                 |                    |             |
| AWM30P-090AS                                                                                                          | Replacement Element for AWM30 Series                                                                                                                                                            | North America Only | 029768WF    |
| AWM40P-090AS                                                                                                          | Replacement Element for AWM40 Series                                                                                                                                                            | North America Only | 029768WG    |

|          |                                              |       |          |
|----------|----------------------------------------------|-------|----------|
| AM-EL550 | Filter, Replacement Element for AM550 Series | 31436 | 02976892 |
| AM-EL650 | Filter, Replacement Element for AM650 Series | 31437 | 02976893 |
| AM-EL850 | Filter, Replacement Element for AM850 Series | 31438 | 02976894 |

## REGULATORS AND GAUGES, AR/IR/G/K SERIES

|  <p><i>*Representative Image</i></p> | <p>Documentation</p> <div>  AR specs &amp; how to order          IR specs &amp; how to order       </div> <p>Standard product configurator/catalog/CAD:</p> |                    |             |
|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|
|                                                                                                                       | <b>Regulator</b>                                                                                                                                                                                                                                                                                                              |                    |             |
| SMC Part Number                                                                                                       | Description                                                                                                                                                                                                                                                                                                                   | GCCL #             | Common Code |
| AR20-F01B-A                                                                                                           | Regulator, 1/8 Inch G Thread, with Bracket                                                                                                                                                                                                                                                                                    | 32000              | 065736G4    |
| AR30-F02B-A                                                                                                           | Regulator, 1/4 Inch - G Thread, Inline Relieving Type with Bracket                                                                                                                                                                                                                                                            | 31467              | 065736G5    |
| AR30K-F03B-B                                                                                                          | Regulator, 3/8 Inch - G Thread, In line with Internal Check Valve Type with Bracket                                                                                                                                                                                                                                           | 31469              | 065736G8    |
| AR40-F03B-A                                                                                                           | Regulator, 3/8 Inch - G Thread, Inline Relieving Type with Bracket                                                                                                                                                                                                                                                            | 31468              | 065736G6    |
| AR40-F04B-A                                                                                                           | Regulator, 1/2 Inch - G Thread, Inline Relieving Type, with Bracket                                                                                                                                                                                                                                                           | 31460              | 065736G7    |
| AR40K-F04B-B                                                                                                          | Regulator, 1/2 Inch - G Thread, In line with Internal Check Valve Type with Bracket                                                                                                                                                                                                                                           | 31470              | 065736G9    |
| AR40K-F06B-B                                                                                                          | Regulator, 3/4 Inch - G Thread, In line with Internal Check Valve Type with Bracket                                                                                                                                                                                                                                           | 31471              | 065736DX    |
| AR50-F06B-B                                                                                                           | Regulator, 3/4 Inch - G Thread, Inline Relieving Type with Bracket                                                                                                                                                                                                                                                            | 31461              | 065736GA    |
| AR50K-F06B-B                                                                                                          | Regulator, 3/4 Inch - G Thread, In line with Internal Check Valve Type with Bracket                                                                                                                                                                                                                                           | 31462              | 065736GF    |
| AR60-F10B-B                                                                                                           | Regulator, 1 Inch - G Thread, Inline Relieving Type with Bracket                                                                                                                                                                                                                                                              | 31463              | 065736GG    |
| ARX20-F01B                                                                                                            | Regulator, Panel Mount 1/8 Inch G Thread, with Bracket                                                                                                                                                                                                                                                                        | 32002              | 065734N4    |
| NAR825-N12                                                                                                            | Regulator, 1-1/4 in - NPT thread, Inline Relieving Type                                                                                                                                                                                                                                                                       | North America Only | 065733YT    |
| NAR825-N14                                                                                                            | Regulator, 1-1/2 in - NPT thread, Inline Relieving Type                                                                                                                                                                                                                                                                       | North America Only | 065733YV    |
| NAR925-N20                                                                                                            | Regulator, 2 in - NPT thread, Inline Relieving Type                                                                                                                                                                                                                                                                           | North America Only | 065733YW    |
| <b>Precision Regulator</b>                                                                                            |                                                                                                                                                                                                                                                                                                                               |                    |             |
| IR1020-F01BG                                                                                                          | Precision Regulator, High Relief, 0.01 - 0.8MPa, 1/8 Inch Thread, G port, with Gauge and Bracket. Flow rate to 400 l/m                                                                                                                                                                                                        | 32005              | 065734N7    |

|                  |                                                                                                                                            |       |          |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|
| IR2000-F02B      | Regulator, Precision, 1/4 in - G thread, 0.005 to 0.2MPa Set Pressure Range with bracket. Flow rate to 600 l/m                             | 31472 | 0657342W |
| IR2020-F02BG     | Precision Regulator, High Relief, 0.01 - 0.8MPa, 1/4 Inch Thread, G port, with Gauge and Bracket. Flow rate to 1000 l/m                    | 32006 | 065734N8 |
| IR3000-F03B      | Regulator, Precision, 3/8 in - G thread, 0.01 to 0.2MPa Set Pressure Range with bracket. Flow rate to 3000 l/m                             | 31473 | 065735KN |
| IR3020-F02BG     | Precision Regulator, High Relief, 0.01 - 0.8MPa, 1/4 Inch Thread, G port, with Gauge and Bracket. Flow rate to 5000 l/m                    | 32003 | 065735KT |
| IR3020-F03BG     | Precision Regulator, High Relief, 0.01 - 0.8MPa, 3/8 Inch Thread, G port, with Gauge and Bracket Flow rate to 5000 l/m                     | 32004 | 0657347G |
| IR3020-F04BG     | Precision Regulator, High Relief, 0.01 - 0.8MPa, 1/2 Inch Thread, G port, with Gauge and Bracket Flow rate to 5000 l/m                     | 30314 | 065735KV |
| IR3120-F02BG     | Precision Regulator, High Relief, Air Pilot Operated, 0.01 - 0.8MPa, 1/4 Inch Thread, G Port, with Gauge and Bracket Flow rate to 5000 l/m | 30315 | 065735KW |
| IR3120-F03BG     | Precision Regulator, High Relief, Air Pilot Operated, 0.01 - 0.8MPa, 3/8 Inch Thread, G Port, with Gauge and Bracket Flow rate to 5000 l/m | 30306 | 065735KY |
| IR3120-F04BG     | Precision Regulator, High Relief, Air Pilot Operated, 0.01 - 0.8MPa, 1/2 Inch Thread, G Port, with Gauge and Bracket Flow rate to 5000 l/m | 30316 | 065735KX |
| <b>Gauge</b>     |                                                                                                                                            |       |          |
| G36-P10-01-L-X30 | Gauge, air only, 1/8 " PT male connection, adjustable range indicators, scale 0 to 1 MPa, 36 mm diameter                                   | 31500 | 03666ATT |
| G46-P10-02-L-X30 | Gauge, air only, 1/4 " PT male connection, adjustable range indicators, scale 0 to 1 MPa, 46 mm diameter                                   | 31401 | 036669WW |
| K50-MP0.7-02MS   | Gauge, Water, (0-100 PSI), 1/4 Inch - PT Thread                                                                                            | 31402 | 036666AR |

## LUBRICATORS, AL SERIES

|  <p><i>*Representative Image</i></p> | <p>Documentation</p> <p> AL specs &amp; how to order</p> <p>Standard product configurator/catalog/CAD:</p> |        |             |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|
| SMC Part Number                                                                                                         | Description                                                                                                                                                                                   | GCCL # | Common Code |
| AL30-F02-A                                                                                                              | Lubricator, 1/4 Inch -G Thread, with Site Gauge & Mounting Bracket                                                                                                                            | 31483  | 04990A11    |
| AL30-F03-A                                                                                                              | Lubricator, 3/8 Inch -G Thread, with Site Gauge & Drain Cock, 50 cm3                                                                                                                          | 31480  | 04990A12    |
| AL40-F04-A                                                                                                              | Lubricator, 1/2 Inch -G Thread, with Site Gauge & Drain Cock, Cap. 130 cm3                                                                                                                    | 31481  | 049909L3    |

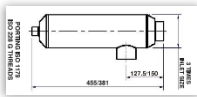
|                 |                                                                                            |                    |          |
|-----------------|--------------------------------------------------------------------------------------------|--------------------|----------|
| AL50-F06-A      | Lubricator, 3/4 Inch - G Thread, with Site Gauge & Drain Cock, Cap. 130cm <sup>3</sup>     | 31485              | 04990A14 |
| AL60-F10-A      | Lubricator, 1 Inch -G Thread, with Site Gauge & Drain Cock, Cap. 130cm <sup>3</sup>        | 31482              | 04990A15 |
| <b>Mainline</b> |                                                                                            |                    |          |
| AL800-F12       | Lubricator, 1 1/4 Inch -G thread, with Site Gauge & Drain Cock, Cap 440cm <sup>3</sup>     | North America Only | 049909L6 |
| AL800-F14       | Lubricator, 1 1/2 Inch - G thread, with Site Gauge & Drain Cock, Cap. 440cm <sup>3</sup>   | North America Only | 049909L8 |
| AL900-F20       | Lubricator, 2 Inch -G thread, with Site Gauge & Drain Cock, Cap. 440cm <sup>3</sup>        | North America Only | 049909L9 |
| NAL800-N12      | Lubricator, 1 1/4 Inch -NPT thread, with Site Gauge & Drain Cock, Cap 440cm <sup>3</sup>   | North America Only | 049909FP |
| NAL800-N14      | Lubricator, 1 1/2 Inch - NPT thread, with Site Gauge & Drain Cock, Cap. 440cm <sup>3</sup> | North America Only | 049909FT |
| NAL900-N20      | Lubricator, 2 Inch -NPT thread, with Site Gauge & Drain Cock, Cap. 440cm <sup>3</sup>      | North America Only | 049909FV |

#### AIR PREPARATION ASSEMBLY COMPONENTS, VARIES

|                                                                                                                         |                                                                                                                                                                                                    |             |                    |
|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------|
|  <p><i>*Representative Image</i></p> | <p>Documentation</p> <div>  <p>Air Prep components</p> </div> <p>Standard product configurator/catalog/CAD:</p> |             |                    |
|                                                                                                                         | SMC Part Number                                                                                                                                                                                    | Description | GCCL # Common Code |
| E400-F04-A                                                                                                              | Air Prep, Pipe Adapter, 1/2 Inch, Spare for Air Prep Assembly                                                                                                                                      |             | 31617 0009D16F     |
| E500-F06-A                                                                                                              | Air Prep, Pipe Adapter, 3/4 Inch, Spare for Air Prep Assembly                                                                                                                                      |             | 31616 0009D1WN     |
| E600-F06-A                                                                                                              | Air Prep, Pipe Adapter, 3/4 Inch, Spare for Air Prep Assembly                                                                                                                                      |             | 31612 0009D1WP     |
| E600-F10-A                                                                                                              | Air Prep, Pipe Adapter, 1 Inch, Spare for Air Prep Assembly                                                                                                                                        |             | 31613 0009D1WR     |
| Y400-A                                                                                                                  | Air Prep, Adapter, Modular Air Prep 1/2 Inch, Spare for Air Prep Assembly                                                                                                                          |             | 31610 0762695V     |
| Y400T-A                                                                                                                 | Air Prep, Adapter, Modular Air Prep 1/2 Inch, with Mounting Feet, Spare for Air Prep Assembly                                                                                                      |             | 31609 076268VH     |
| Y410-F02-A                                                                                                              | Air Prep, Pressure Switch Mount for 1/2 Inch with 1/4 Inch - G Thread, Spare for Air Prep Assembly                                                                                                 |             | 31622 076269FR     |
| Y500-A                                                                                                                  | Air Prep, Adapter, Modular Air Prep 3/4 Inch, Spare for Air Prep Assembly                                                                                                                          |             | 31614 076269FL     |
| Y500T-A                                                                                                                 | Air Prep, Adapter, Modular Air Prep 3/4 Inch, with Mounting Feet, Spare for Air Prep Assembly                                                                                                      |             | 31615 076269FN     |

|            |                                                                                                              |       |          |
|------------|--------------------------------------------------------------------------------------------------------------|-------|----------|
| Y600-A     | Air Prep, Adapter, Modular Air Prep 3/4 Inch and 1 Inch, Spare for Air Prep Assembly                         | 31607 | 076269FM |
| Y600T-A    | Air Prep, Adapter, Modular Air Prep 3/4 Inch and 1 Inch, Spare for Air Prep Assembly                         | 31608 | 076269FP |
| Y610-F03-A | Air Prep, Pressure Switch Mount for 3/4 Inch or 1 Inch with 3/8 Inch - G Thread, Spare for Air Prep Assembly | 31611 | 076269FT |

## DRIP LEGS, FAPP SERIES

|  <p><i>*Representative Image</i></p> | Documentation<br><br>FAPP specs<br><br>Standard product configurator/catalog/CAD: |        |             |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|
|                                                                                                                       | Powertrain Only                                                                                                                                                    |        |             |
| SMC Part Number                                                                                                       | Description                                                                                                                                                        | GCCL # | Common Code |
| FAPP-04-DDL00026                                                                                                      | Drip Legs, 1/2" G<br><b>for Powertrain Use Only</b>                                                                                                                | 31650  | 047600CY    |
| FAPP-06-DDL00006                                                                                                      | Drip Legs, 3/4"G<br><b>for Powertrain Use Only</b>                                                                                                                 | 31651  | 047600C1    |
| FAPP-08-DDL00007                                                                                                      | Drip Legs, 1"G<br><b>for Powertrain Use Only</b>                                                                                                                   | 31652  | 047600D8    |
| FAPP-12-DDL00008                                                                                                      | Drip Legs, 1½"G<br><b>for Powertrain Use Only</b>                                                                                                                  | 31653  | 047600D9    |
| FAPP-16-DDL00012                                                                                                      | Drip Legs, 2"G<br><b>for Powertrain Use Only</b>                                                                                                                   | 31654  | 047600D6    |

## EXHAUST CLEANERS AND SILENCERS, AMC AND AN SERIES

|  <p><i>*Representative Image</i></p> | Documentation<br> Silencer specs & how to order<br> EBKX-<br> INA-25-88<br><br>Standard product configurator/catalog/CAD: |        |             |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|
|                                                                                                                         | Exhaust Cleaner                                                                                                                                                                                                                                                                                                                                                                    |        |             |
| SMC Part Number                                                                                                         | Description                                                                                                                                                                                                                                                                                                                                                                        | GCCL # | Common Code |
| AMC310-03B                                                                                                              | Exhaust Cleaner, 3/8 Inch - PT Male Thread, with MTG Bracket                                                                                                                                                                                                                                                                                                                       | 31322  | 053609N6    |
| AMC320-F03B                                                                                                             | Exhaust Cleaner, 3/8 Inch - G Female Thread, with MTG Bracket                                                                                                                                                                                                                                                                                                                      | 31325  | 053609N4    |

|                 |                                                               |       |          |
|-----------------|---------------------------------------------------------------|-------|----------|
| AMC510-06B      | Exhaust Cleaner, 3/4 Inch - PT Male Thread, with MTG Bracket  | 31320 | 053609MY |
| AMC520-F04B     | Exhaust Cleaner, 1/2 Inch - G Female Thread, with MTG Bracket | 31327 | 053609MH |
| AMC520-F06B     | Exhaust Cleaner, 3/4 Inch - G Female Thread, with MTG Bracket | 31326 | 053609N3 |
| AMC610-10B      | Exhaust Cleaner, 1 Inch - PT Male Thread, with MTG Bracket    | 31321 | 053609N0 |
| AMC810-14       | Exhaust Cleaner, 1-1/2 Inch - PT Male Thread                  | 31323 | 053609N1 |
| AMC910-20       | Exhaust Cleaner, 2 Inch - PT Male Thread                      | 31324 | 053609N2 |
| <b>Silencer</b> |                                                               |       |          |
| AN110-01        | Silencer, 1/8 Inch - PT Male Thread                           | 31313 | 0739037W |
| AN120-M5        | Silencer, 10-32 Inch or M5 Male Thread                        | 31300 | 0739037T |
| AN202-02        | Silencer, Weld Applications, 1/4 Inch PT Male Thread          | 31310 | 07390389 |
| AN302-03        | Silencer, Weld Applications, 3/8 Inch PT Male Thread          | 31311 | 0739039J |
| AN402-04        | Silencer, Weld Applications, 1/2 Inch PT Male Thread          | 31312 | 0739033N |
| ANA1-01         | Silencer, 1/8 Inch - PT Male Thread                           | 31301 | 073903AL |
| ANA1-02         | Silencer, 1/4 Inch - PT Male Thread                           | 31302 | 073903A9 |
| ANA1-03         | Silencer, 3/8 Inch - PT Male Thread                           | 31303 | 073903AM |
| ANA1-04         | Silencer, 1/2 Inch - PT Male Thread                           | 31304 | 073903AA |
| ANA1-10         | Silencer, 1 Inch - PT Male Thread                             | 31306 | 073903AG |
| ANA1-12         | Silencer, 1-1/4 Inch - PT Male Thread                         | 31307 | 073903AH |
| ANA1-14         | Silencer, 1-1/2 Inch - PT Male Thread                         | 31308 | 073903AJ |
| ANA1-20         | Silencer, 2 Inch - PT Male Thread                             | 31309 | 073903AK |
| EBKX-L7004-040  | Silencer, Flat, 1/8 Inch PT Thread, 40 Micron                 | 31314 | 073903HH |
| EBKX-L7005-040  | Silencer, Flat, 1/4 Inch PT Thread, 40 Micron                 | 31315 | 073903GR |
| INA-25-88       | Silencer, 3/4 Inch - PT Male Thread                           | 31305 | 073903AF |

## LOCK OUT, VHS SERIES

|                                                                                                                         |                                                                                                                                                                                                |             |                    |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------|
|  <p><i>*Representative Image</i></p> | <p>Documentation</p> <p> VHS specs &amp; how to order</p> <p>Standard product configurator/catalog/CAD:</p> |             |                    |
|                                                                                                                         | SMC Part Number                                                                                                                                                                                | Description | GCCL # Common Code |

|              |                                                    |       |          |
|--------------|----------------------------------------------------|-------|----------|
| VHS30-F03B   | Shut-Off / Lock-Out Valve, 3/8", with Red Handle   | 31606 | 088919VX |
| VHS40-F04B   | Shut-Off / Lock-Out Valve, 1/2", with Red Handle   | 31604 | 08890PA9 |
| VHS40-F04B-K | Shut-Off / Lock-Out Valve, 1/2", with Black Handle | 31605 | 08891C5A |
| VHS40-F06B   | Shut-Off / Lock-Out Valve, 3/4", with Red Handle   | 31621 | 08891C5F |
| VHS50-F06B   | Shut-Off / Lock-Out Valve, 3/4", with Red Handle   | 31603 | 08891C5G |
| VHS50-F10B   | Shut-Off / Lock-Out Valve, 1", with Red Handle     | 31602 | 08891C5H |

## VALVES AND CONTROLS

Directional control valves and manifolds direct air to pneumatic actuators, vacuum equipment and as pilot air for large-scale industrial process valves making them fundamental to industrial automation applications.

SMC pneumatic valves can be actuated manually, pneumatically, or electrically. They can also be connected to industrial fieldbus and ethernet with I/O capabilities to receive feedback from sensors and actuators using protocols such as: EtherNet/IP, PROFINET, EtherCAT, DeviceNet, Profibus or IO-Link (IEC 61131-9).

SMC valves feature energy saving, low power consumption coils, high flow rates (Cv, SCFM) and quick response times for premium

### VQC4000, MANIFOLD WITH DEVICENET, VQC4000 SERIES

|                                                                                                                       |                                                                                                                                                                  |        |             |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|
| <br><br><i>*Representative Image</i> | Documentation<br><br><br>-X25<br><br>Standard product configurator/catalog/CAD: |        |             |
| Manifolds with DeviceNet                                                                                              |                                                                                                                                                                  |        |             |
| SMC Part Number                                                                                                       | Description                                                                                                                                                      | GCCL # | Common Code |
| VV5QC41-04C16FSDQN0-X25                                                                                               | VQC4000 Manifold with EX250-SDN1-X122, 4 Stations, and 16mm One touch Fittings                                                                                   | 30000  | 051006KM    |
| VV5QC41-08C16FSDQN0-X25                                                                                               | VQC4000 Manifold with EX250-SDN1-X122, 8 Stations, and 16mm One touch Fittings                                                                                   | 30001  | 051006KN    |
| VV5QC41-12C16FSDQN0-X25                                                                                               | VQC4000 Manifold with EX250-SDN1-X122, 12 Stations, and 16mm One touch Fittings                                                                                  | 30002  | 051006KL    |
| VV5QC41-04C12FSDQN0-X25                                                                                               | VQC4000 Manifold with EX250-SDN1-X122, 4 Stations, and 12mm One touch Fittings                                                                                   | 30050  | 05100728    |
| VV5QC41-08C12FSDQN0-X25                                                                                               | VQC4000 Manifold with EX250-SDN1-X122, 8 Stations, and 12mm One touch Fittings                                                                                   | 30051  | 05100729    |
| VV5QC41-12C12FSDQN0-X25                                                                                               | VQC4000 Manifold with EX250-SDN1-X122, 12 Stations, and 12mm One touch Fittings                                                                                  | 30052  | 0510072A    |

### VQC4000, MANIFOLD WITH ETHERNET IP, VQC4000 SERIES

|                                                                                                                         |                                                                                                                                                                                   |        |             |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|
|  <p><i>*Representative Image</i></p> | <p>Documentation</p> <div><p>-X132</p></div> <p>Standard product configurator/catalog/CAD:</p> |        |             |
| Manifolds with EtherNet IP                                                                                              |                                                                                                                                                                                   |        |             |
| SMC Part Number                                                                                                         | Description                                                                                                                                                                       | GCCL # | Common Code |

|                         |                                                                                                     |       |          |
|-------------------------|-----------------------------------------------------------------------------------------------------|-------|----------|
| VV5QC41-04C12FSEAN-X132 | VQC4000 Manifold with EX260-SEN1-X194 EtherNet I/P module, 4 Stations, and 12mm One touch Fittings  | 30055 | 051008DF |
| VV5QC41-08C12FSEAN-X132 | VQC4000 Manifold with EX260-SEN1-X194 EtherNet I/P module, 8 Stations, and 12mm One touch Fittings  | 30056 | 051008DH |
| VV5QC41-12C12FSEAN-X132 | VQC4000 Manifold with EX260-SEN1-X194 EtherNet I/P module, 12 Stations, and 12mm One touch Fittings | 30057 | 051008DK |
| VV5QC41-0403FSEAN-X132  | VQC4000 Manifold with EX260-SEN1-X194 EtherNet I/P module, 4 Stations, and 3/8" G ports             | 30075 | 051008DA |
| VV5QC41-0803FSEAN-X132  | VQC4000 Manifold with EX260-SEN1-X194 EtherNet I/P module, 8 Stations, and 3/8" G ports             | 30076 | 051008DG |
| VV5QC41-1203FSEAN-X132  | VQC4000 Manifold with EX260-SEN1-X194 EtherNet I/P module, 12 Stations, and 3/8" G ports            | 30077 | 051008DJ |

#### VQC4000, DISCRETE INPUT VALVE SUB-PLATE WITH M12 CONNECTOR, VQC4000 SERIES

|  <p><i>*Representative Image</i></p> | <p>Documentation</p> <div>  -X72  -X530 </div> <p>Standard product configurator/catalog/CAD:</p> |        |             |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|
|                                                                                                                       | <p><b>Discrete Input Valve Sub-Plate with M12 Connector</b></p>                                                                                                                                                                                                    |        |             |
| SMC Part Number                                                                                                       | Description                                                                                                                                                                                                                                                        | GCCL # | Common Code |
| VV5QC41-02C16F-X72                                                                                                    | VQC4000 Manifold with 2 Stations, A and B Port, 16 mm One touch Fittings, Discrete Wired with 4 Pin Connectors                                                                                                                                                     | 30010  | 051006MJ    |
| VV5QC41-03C16F-X72                                                                                                    | VQC4000 Manifold with 3 Stations, A and B Port, 16 mm One touch Fittings, Discrete Wired with 4 Pin Connectors                                                                                                                                                     | 30011  | 051006MK    |
| VV5QC41-04C16F-X72                                                                                                    | VQC4000 Manifold with 4 Stations, A and B Port, 16 mm One touch Fittings, Discrete Wired with 4 Pin Connectors                                                                                                                                                     | 30012  | 051006ML    |
| VV5QC41-02C12F-X72                                                                                                    | VQC4000 Manifold with 2 Stations, A and B Port, 12 mm One touch Fittings, Discrete Wired with 4 Pin Connectors                                                                                                                                                     | 30015  | 0510072H    |
| VV5QC41-03C12F-X72                                                                                                    | VQC4000 Manifold with 3 Stations, A and B Port, 12 mm One touch Fittings, Discrete Wired with 4 Pin Connectors                                                                                                                                                     | 30016  | 0510072J    |
| VV5QC41-04C12F-X72                                                                                                    | VQC4000 Manifold with 4 Stations, A and B Port, 12 mm One touch Fittings, Discrete Wired with 4 Pin Connectors                                                                                                                                                     | 30017  | 0510072K    |
| VV5QC41-02C10F-X72                                                                                                    | VQC4000 Manifold with 2 Stations, A and B Port, 10 mm One touch Fittings, Discrete Wired with 4 Pin Connectors                                                                                                                                                     | 30020  |             |
| VV5QC41-03C10F-X72                                                                                                    | VQC4000 Manifold with 3 Stations, A and B Port, 10 mm One touch Fittings, Discrete Wired with 4 Pin Connectors                                                                                                                                                     | 30021  |             |
| VV5QC41-04C10F-X72                                                                                                    | VQC4000 Manifold with 4 Stations, A and B Port, 10 mm One touch Fittings, Discrete Wired with 4 Pin Connectors                                                                                                                                                     | 30022  |             |
| VQC4000-PW-03F-X530                                                                                                   | Valve, Base, Single, Sub-Base VQC4000, with C4 Pin Connector, Non-DeviceNet                                                                                                                                                                                        | 30200  | 0607F388    |

## VQC4000, VALVES VQC4000 SERIES

|                                                                                                                       |                                                                                                                                                              |        |             |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|
| <br><br><i>*Representative Image</i> | Documentation<br><br>-X60<br><br>Standard product configurator/catalog/CAD: |        |             |
| VCQ4000 Valves                                                                                                        |                                                                                                                                                              |        |             |
| SMC Part Number                                                                                                       | Description                                                                                                                                                  | GCCL # | Common Code |
| VQC4101-51                                                                                                            | Valve, 2 Pos., Single Solenoid Spring Return, 24 VDC VQC4000                                                                                                 | 30106  | 08890P9F    |
| VQC4201-51                                                                                                            | Valve, 2 Pos., Double Solenoid, 24 VDC VQC4000                                                                                                               | 30107  | 08890P9G    |
| VQC4301-51                                                                                                            | Valve, 3 Pos., Closed Center, Double Solenoid, 24 VDC VQC4000                                                                                                | 30108  | 08891GWL    |
| VQC4401-51                                                                                                            | Valve, VQC4000 3 Pos., Exhaust Center, Double Solenoid, 24 VDC                                                                                               | 30109  | 08890P9J    |
| VQC4501-51                                                                                                            | Valve, VQC4000 3 Pos., Pressure Center, Double Solenoid, 24 VDC                                                                                              | 30110  | 08890P9K    |
| VQC4101R-51                                                                                                           | Valve, 2 Pos., Single Solenoid Spring Return, External Pilot, 24 VDC VQC4000                                                                                 | 32224  | 08890MGG    |
| VQC4301-51-X60                                                                                                        | Valve, Three Pos., Closed Center, VQC4000, Detented to A Side Only                                                                                           | 32240  | 08890TA6    |

## VQC4000, ACCESSORIES VQC4000 SERIES

|                                                                                                                         |                                                                                                                                                                                                                                                                                                                                           |        |             |
|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|
| <br><br><i>*Representative Image</i> | <div>Documentation</div> <div><div><br/>Accessories &amp; how to order</div><div><br/>Valve specs</div></div> <div>Standard product configurator/catalog/CAD:</div> |        |             |
| Accessories                                                                                                             |                                                                                                                                                                                                                                                                                                                                           |        |             |
| SMC Part Number                                                                                                         | Description                                                                                                                                                                                                                                                                                                                               | GCCL # | Common Code |
| VVQ4000-50B-C12-X1                                                                                                      | Valve Manifold Fitting Cassette for VQC4000, 12mm                                                                                                                                                                                                                                                                                         | 30060  | 0207GGC0    |
| VVQ4000-50B-C16-X1                                                                                                      | Valve Manifold Fitting Cassette for VQC4000, 16mm                                                                                                                                                                                                                                                                                         | 30061  | 0207GGC1    |
| VVQ4000-25A-1                                                                                                           | Manifold, Pilot Operated Check Spacer, VQC4000                                                                                                                                                                                                                                                                                            | 30205  | 0762660N    |
| VVQC4000-1A-D-03F                                                                                                       | Manifold, Block VQC4000 with 3/8 Inch - G Thread A & B Side Ports                                                                                                                                                                                                                                                                         | 31150  | 051006JV    |
| VVQC4000-3A-2F-X45                                                                                                      | Manifold, D- Side End Plate VQC4000, with 3/4 Inch - G Thread Exhaust Port and 1/2 in G Pressure Port                                                                                                                                                                                                                                     | 31151  | 0607DCMP    |
| VVQC4000-2A-1F                                                                                                          | Manifold, U-Side End Plate VQC4000 with 3/4 Inch - G Thread Exhaust Port and 1/2 Inch G Pressure Port                                                                                                                                                                                                                                     | 31152  | 0607DALN    |

|                      |                                                                                  |       |          |
|----------------------|----------------------------------------------------------------------------------|-------|----------|
| VVQC4000-1A-D-C16-X5 | Manifold, Block VQC4000 with 16mm One touch Fittings Built into A & B Side Ports | 31153 | 051006MR |
| VVQ4000-10A-1        | Manifold, Blank Plate VQC4000                                                    | 31200 | 0607DALH |
| VVQ4000-P-1-03F      | Manifold, Supply Spacer VQC4000                                                  | 31201 | 076265HY |
| VVQ4000-R-1-03F      | Manifold, Exhaust Spacer VQC4000                                                 | 31202 | 076265J0 |
| VVQ4000-16A          | Manifold, Gallery Blocking Disc, Galleries 1, 3, and 5, VQC4000                  | 31203 | 02664C8P |
| VVQ4000-20A-1        | Manifold, Sandwich Speed Control VQC4000                                         | 31204 | 076265J1 |
| ARBQ4000-00-P-1      | Manifold, Single Sandwich Regulator, P Port Regulated, VQC4000                   | 31205 | 065734MA |
| ARBQ4000-00-A-1      | Manifold, Single Sandwich Regulator, A Port Regulated, VQC4000                   | 31206 | 065734MF |
| ARBQ4000-00-B-1      | Manifold, Single Sandwich Regulator, B Port Regulated, VQC4000                   | 31207 | 065734MG |

## VQC5000, VQC5000 SERIES

|  <p><i>*Representative Image</i></p> | <p>Documentation</p> <div>  -X530            X3            VQC5 how to order            Specs &amp; Accessories         </div> <p>Standard product configurator/catalog/CAD:</p> |        |             |
|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|
|                                                                                                                        | <b>Manifolds</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |             |
| SMC Part Number                                                                                                        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | GCCL # | Common Code |
| VQC5000-PW-04F-X530                                                                                                    | Valve, Base, Single, Sub-Base VQC5000, with C4 Pin Connector, Non-DeviceNet                                                                                                                                                                                                                                                                                                                                                                                                                                              | 30201  | 0815001W    |
| VV5QC51-0204F-X3                                                                                                       | VQC5000 Manifold with 2 Stations, and 4 Pin Connectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 30202  | 051006TF    |
| VV5QC51-0304F-X3                                                                                                       | VQC5000 Manifold with 3 Stations, and 4 Pin Connectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 30203  | 051006TG    |
| VV5QC51-0404F-X3                                                                                                       | VQC5000 Manifold with 4 Stations, and 4 Pin Connectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 30204  | 051006TH    |
| <b>Valves</b>                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |             |
| VQC5101-51                                                                                                             | Valve, 2 Position, Single Solenoid Spring Return, 24 VDC, VQC5000                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 30100  | 08890P95    |
| VQC5101R-51                                                                                                            | Valve, 2 Position, Single Solenoid Spring Return, External Pilot, 24 VDC VQC5000                                                                                                                                                                                                                                                                                                                                                                                                                                         | 30101  | 08890P96    |
| VQC5201-51                                                                                                             | Valve, 2 Position, Double Solenoid, 24 VDC VQC5000                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 30102  | 08890P97    |
| VQC5301-51                                                                                                             | Valve, 3 Position, Closed Center, Double Solenoid, 24 VDC VQC5000                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 30104  | 08890P99    |
| VQC5401-51                                                                                                             | Valve, 3 Position, Exhaust Center, Double Solenoid, 24 VDC VQC5000                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 30103  | 08891K3T    |

|                    |                                                                        |       |          |
|--------------------|------------------------------------------------------------------------|-------|----------|
| VQC5501-51         | Valve, 3 Position, Pressure Center, Double Solenoid, 24 VDC<br>VQC5000 | 30105 | 08891TN7 |
| <b>Accessories</b> |                                                                        |       |          |
| ARBQ5000-00-P-1    | Manifold, Single Sandwich Regulator, P Port Regulated, VQC5000         | 31215 | 065734MH |
| ARBQ5000-00-A-1    | Manifold, Single Sandwich Regulator, A Port Regulated, VQC5000         | 31216 | 065734MJ |
| ARBQ5000-00-B-1    | Manifold, Single Sandwich Regulator, B Port Regulated, VQC5000         | 31217 | 065734MK |

#### VQC2000, MANIFOLD WITH DEVICENET VQC2000 SERIES

|                                                                                                                       |                                                                                                                                                              |             |                    |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------|
|  <p><i>*Representative Image</i></p> | Documentation <div>  -X52 </div> Standard product configurator/catalog/CAD: |             |                    |
|                                                                                                                       | SMC Part Number                                                                                                                                              | Description | GCCL # Common Code |
| VV5QC21-05C8SDQN0-S-X52                                                                                               | VQC2000 Manifold with EX250-SDN1-X122, 5 Stations, and 8mm One touch Fittings with Built in Silencer                                                         | 31100       | 051006MM           |

#### VQC2000, MANIFOLD WITH ETHERNET IP VQC2000 SERIES

|                                                                                                                         |                                                                                                                                                                   |             |                    |
|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------|
|  <p><i>*Representative Image</i></p> | Documentation <div>  -X3029V </div> Standard product configurator/catalog/CAD: |             |                    |
|                                                                                                                         | SMC Part Number                                                                                                                                                   | Description | GCCL # Common Code |
| VV5QC21-05C8SEAN0-S-X3029V                                                                                              | VQC2000 Manifold with EX260-SEN1-X194 EtherNet I/P module, 5 Stations, and 8mm One touch Fittings with Built in Silencer                                          | 31110       | 051008D7           |

#### VQC2000, VALVES VQC2000 SERIES

|                                                                                                                         |                                                                                                                                                                             |             |                    |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------|
|  <p><i>*Representative Image</i></p> | Documentation <div>  VQC2 how to order </div> Standard product configurator/catalog/CAD: |             |                    |
|                                                                                                                         | SMC Part Number                                                                                                                                                             | Description | GCCL # Common Code |

|                 |                                                                        |       |          |
|-----------------|------------------------------------------------------------------------|-------|----------|
| VQC2101N-51     | VQC2000, Two Position Single Solenoid, Spring Return Valve             | 31010 | 08890L2A |
| VQC2201N-51     | Valve, Two Position, Double Solenoid, VQC2000                          | 31000 | 08890JN4 |
| VQC2301N-51     | VQC2000, Three Position Closed Center Valve                            | 31011 | 08890VPL |
| VQC2301N-51-X60 | Valve, Three Position, Closed Center, VQC2000, Detented to A Side Only | 31001 | 088911TA |
| VQC2401N-51     | VQC2000, Three Position Exhaust Center Valve                           | 31012 | 08890MA1 |
| VQC2501N-51     | VQC2000, Three Position Pressure Center Valve                          | 31013 | 08890RFK |

#### VQC2000, ACCESSORIES VQC2000 SERIES

| <br><br><i>*Representative Image</i> | Documentation                                                                                          |        |             |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------|-------------|
|                                                                                                                       | <br>VQC2 how to order |        |             |
| Standard product configurator/catalog/CAD:                                                                            |                                                                                                        |        |             |
| SMC Part Number                                                                                                       | Description                                                                                            | GCCL # | Common Code |
| VVQ2000-10A-1                                                                                                         | Blanking Plate, VQC2000                                                                                | 31002  | 0607D8WL    |
| VVQ2000-16A                                                                                                           | VQC2000 Blocking Disk for P Gallery                                                                    | 31019  | 0607D9K7    |
| VVQ2000-F-LC8                                                                                                         | VQC2000 90 Degree, Push in Fitting                                                                     | 31018  | 0294A414    |
| VVQ4000-50B-03F                                                                                                       | VQC2000 Brass P Port Fitting. 3/8 Inch G Female                                                        | 31017  | 0207GCH6    |
| VVQC1000-M26-1                                                                                                        | Valve Manifold Multi-connector Interface                                                               | 31020  | 0207GCHL    |
| VVQC2000-1A-D-C8                                                                                                      | VQC2000 Valve Manifold Block                                                                           | 31015  | 051006M6    |
| VVQC2000-2A-1-C0-S                                                                                                    | VQC2000 End Plate U Side                                                                               | 31016  | 0607DKRW    |
| VVQC2000-3A-1-CP-S                                                                                                    | VQC2000 End Plate D side                                                                               | 31014  | 0607F9N3    |

#### BODY PORTED VALVES, VFS SERIES

|                                                                                                                     |                                                                                                                                                                                                                                                                                                             |        |             |
|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|
| <br><i>*Representative Image</i> | <p>Documentation</p> <div> VFS specs &amp; how to order</div> <div> -DDM00066</div> <p>Standard product configurator/catalog/CAD:</p> |        |             |
| SMC Part Number                                                                                                     | Description                                                                                                                                                                                                                                                                                                 | GCCL # | Common Code |
| VFS3130-5DZ-02F                                                                                                     | Valve, Spring Return Line Mount, 5 Port, 1/4 Inch G Thread, 24 VDC, Sol Activated, 2 Pos. Spring Return, Cv=1.1                                                                                                                                                                                             | 32203  | 08890PAH    |

|                 |                                                                                                                     |       |          |
|-----------------|---------------------------------------------------------------------------------------------------------------------|-------|----------|
| VFS3130-5DZ-03F | Valve, 2 Pos. Spring Return, 5 Port, 4 Way, 3/8 Inch G Thread, 24 VDC Solenoid Activated, Cv=1.4                    | 32205 | 08890PAK |
| VFS3230-5DZ-03F | Valve, 2 Pos. Detented 5 Port, 4-Way, 3/8 Inch G Thread, 24 VDC Solenoid Activated, Cv=1.4                          | 32206 | 08890PAL |
| VFS3330-5DZ-03F | Valve, 3 Pos. Blocked Center, 5 Port, 4 Way, 3/8 Inch G Thread, Solenoid Activated, 24 VDC, Mounted on Base, Cv=1.7 | 32204 | 08890PAJ |
| VQ21A1-DDM00066 | Tip Dress Blow-Off 2 Port 24 VDC with 4 Pin Connector                                                               | 31224 | 08890WYR |

## AIR OPERATED VALVES, VARIES SERIES

|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                |        |             |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|
| <div></div> <div><i>*Representative Image</i></div> | <div>Documentation</div> <div><div> SYJA specs &amp; how to order</div><div> VFA5 specs &amp; how to order</div></div> <div>Standard product configurator/catalog/CAD:</div> |        |             |
| SMC Part Number                                                                                                                      | Description                                                                                                                                                                                                                                                                                                                                    | GCCL # | Common Code |
| SYA3120-M5                                                                                                                           | Valve, 2 Position Spring Return, 5 Port, 4 Way, M5 Thread, Air Pilot Activated, Cv=0.16                                                                                                                                                                                                                                                        | 32232  | 08890T90    |
| SYA3220-M5                                                                                                                           | Valve, 2 Position Detented, 5 Port, 4-Way, M5 Thread, Air Pilot Activated, Cv=0.16                                                                                                                                                                                                                                                             | 32230  | 08890T8T    |
| SYJA512-M5                                                                                                                           | Valve, 2 Position 3 Port, 4 Way, M5 Thread, Air Pilot Activated, Cv=0.14                                                                                                                                                                                                                                                                       | 32226  | 08890T8V    |
| SYJA5140-01F                                                                                                                         | Valve, 2 Position Spring Return, 5 Port, 4 Way, 1/8 Inch G Thread, Air Pilot Activated, Cv=0.19                                                                                                                                                                                                                                                | 32231  | 08890T91    |
| SYJA522-M5                                                                                                                           | Valve, 2 Position Detented, 5 Port, 4 Way, M5 Thread, Air Pilot Activated, Cv=0.18                                                                                                                                                                                                                                                             | 32229  | 08890T8W    |
| SYJA5240-01F                                                                                                                         | Valve, 2 Position Detented, 5 Port, 4 Way, 1/8 Inch G Thread, Air Pilot Activated, Cv=0.19                                                                                                                                                                                                                                                     | 32227  | 08890T8X    |
| SYJA712-01F                                                                                                                          | Valve, 2 Position 3 Port, 4 Way, 1/8 Inch G Thread, Air Pilot Activated, Cv=0.77                                                                                                                                                                                                                                                               | 32225  | 08890T92    |
| SYJA722-01F                                                                                                                          | Valve, 2 Pos. Detented, 5 Port, 4 Way, 1/8 Inch G Thread, Air Pilot Activated, Cv=0.72                                                                                                                                                                                                                                                         | 32228  | 08890T8Y    |
| VFA5120-02F                                                                                                                          | Valve, 2 Pos. Spring Return, 5 Port, 4 Way, 1/4 Inch G Thread, Air Pilot Activated, Cv=1.9                                                                                                                                                                                                                                                     | 32207  | 08890PAM    |
| VFA5120-03F                                                                                                                          | Valve, 2 Pos. Spring Return, 5 Port, 4 Way, 3/8 Inch G Thread, Air Pilot Activated, Cv=2.4                                                                                                                                                                                                                                                     | 32211  | 08890PAT    |
| VFA5144-03F                                                                                                                          | Valve, Air Piloted, 2 Position Single Solenoid Spring Return, Base Mounted, 3/8 Inch Port, G Thread                                                                                                                                                                                                                                            | 32248  | 08890WVX    |
| VFA5220-02F                                                                                                                          | Valve, 2 Pos. Detented, 5 Port, 4-Way, 1/4 Inch G Thread, Air Pilot Activated, Cv=1.9                                                                                                                                                                                                                                                          | 32208  | 08890PAN    |
| VFA5220-03F                                                                                                                          | Valve, 2 Pos. Detented, 5 Port, 4-Way, 3/8 Inch G Thread, Air Pilot Activated, Manual Override, Cv=2.4                                                                                                                                                                                                                                         | 32212  | 08890PAV    |

|               |                                                                                                  |       |          |
|---------------|--------------------------------------------------------------------------------------------------|-------|----------|
| VFA5244-03F   | Valve, Air Piloted, 2 Position Double Solenoid Detented, Base Mounted, 3/8 Inch Port, G Thread   | 32249 | 08890WVY |
| VFA5320-03F-P | Valve, Air Piloted, 3 Position Closed Center, Body Ported, 3/8 Inch Port, G Thread               | 32246 | 08890WJH |
| VFA5344-03F-P | Valve, 3 Pos. Center Ports Blocked, 5 Port, 4-Way 3/8 Inch G Thread, Air Pilot Activated, Cv=1.7 | 32210 | 08891F54 |
| VFA5420-03F-P | Valve, 3 Pos. Center Exhaust, 5 Port, 4-Way, 3/8 Inch G Thread, Air Pilot Activated, Cv=2.2      | 32209 | 08890PAP |
| VFA5444-03F-P | Valve, Air Piloted, 3 Position Exhaust Center, Base Mounted, 3/8 Inch Port, G Thread             | 32250 |          |
| VFA5520-03F-P | Valve, Air Piloted, 3 Position Center Pressure, Body Ported, 3/8 Inch Port, G Thread             | 32247 |          |
| VFA5544-03F-P | Valve, Air Piloted, 3 Position Center Pressure, Base Mounted, 3/8 Inch Port, G Thread            | 32251 |          |

## MANUAL VALVES, VARIES SERIES

| <br><i>*Representative Image</i> | Documentation<br><br>Manual specs & how to order<br><br>Standard product configurator/catalog/CAD: |        |             |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|
| SMC Part Number                                                                                                    | Description                                                                                                                                                                         | GCCL # | Common Code |
| EVM430-F01-00                                                                                                      | Valve, Manual (without Actuator), 3 Port, 1/8 Inch G Thread, Cv=0.38                                                                                                                | 32201  | 08890PAF    |
| VH200-F02                                                                                                          | Valve, Manual, 3 Position, Closed Center, 4 Port, 1/4 Inch G Thread                                                                                                                 | 32239  | 08890TA1    |
| VH202-F02                                                                                                          | Valve, Manual, 2 Position 4 Port, 1/4 Inch G Thread                                                                                                                                 | 32237  | 08890TA3    |
| VH400-F04                                                                                                          | Valve, Manual, 3 Position, Closed Center, 4 Port, 1/2 Inch G Thread                                                                                                                 | 32238  | 08890TA4    |
| VM130-F01-00A                                                                                                      | Valve, Manual (without Actuator), 3 Port, 1/8 Inch G Thread, Cv=0.14                                                                                                                | 32202  |             |
| VM130-F01-30GA                                                                                                     | Valve, Manual with Green Mushroom Push Button, 3 Port, 1/8 Inch G Thread, Cv=0.14                                                                                                   | 32233  | 08891DC6    |
| VM131-F01-01SA                                                                                                     | Valve, Manual with Roller Lever, 3 Port, 1/8 Inch G Thread, Cv=0.14                                                                                                                 | 32235  | 088918LL    |
| VM131-F01-35BA                                                                                                     | Valve, 3 Pos. Selector, Black 1/8 Inch G Thread                                                                                                                                     | 32215  | 08891T3N    |
| VM131-F01-35GA                                                                                                     | Valve, 3 Pos. Selector, Green 1/8 Inch G Thread                                                                                                                                     | 32214  |             |
| VM131-F01-35RA                                                                                                     | Valve, 3 Pos. Selector, Red, 1/8 Inch G Thread                                                                                                                                      | 32213  |             |
| VM430-F01-30B                                                                                                      | Valve, Pushbutton, Mushroom, 3 Port, Black 1/8 Inch G Thread                                                                                                                        | 32216  | 08890PC0    |
| VM430-F01-34B                                                                                                      | Valve, Manual Selector, 3 Port, Black 1/8 Inch G Thread                                                                                                                             | 32219  | 08890PC2    |
| VM430-F01-34R                                                                                                      | Valve, Manual Selector, 3 Port, Red 1/8 Inch G Thread                                                                                                                               | 32218  | 08890PC3    |

|                |                                                                                                                    |       |          |
|----------------|--------------------------------------------------------------------------------------------------------------------|-------|----------|
| VM830-F01-00   | Valve, Manual without Roller Lever, 3 Port, 1/8 Inch G Thread, Cv=0.33                                             | 32236 | 08890TC4 |
| VM830-F01-14   | Valve, Manual with Adjustable Roller Lever, 3 Port, 1/8 Inch G Thread, Cv=0.33                                     | 32234 | 08890TC5 |
| VZM450-F01-00  | Pneumatic Valve without Operator                                                                                   | 32256 | 08890WW2 |
| VZM450-F01-01S | Pneumatic Limit Valve, with Roller Lever Actuator, 1/8 G Thread, Replacement Actuator Part Number VM-01CS          | 32254 | 08890WW3 |
| VZM450-F01-02S | Pneumatic Limit Valve, with One Way Roller Lever Actuator, 1/8 G Thread, Replacement Actuator Part Number VM-02CS  | 32255 | 08890WW6 |
| VZM450-F01-05  | Pneumatic Limit Valve, with Straight Plunger Actuator, 1/8 G Thread, Replacement Actuator Part Number VM-05C       | 32252 |          |
| VZM450-F01-06S | Pneumatic Limit Valve, with Roller Plunger Actuator, 1/8 G Thread, Replacement Actuator Part Number VM-06CS        | 32253 | 08890WW5 |
| VZM450-F01-30R | Pneumatic Push Button Valve, with Red Mushroom Actuator, 1/8 G Thread, Replacement Actuator Part Number VM-30CR    | 32257 | 08890WW7 |
| VZM450-F01-30Y | Pneumatic Push Button Valve, with Yellow Mushroom Actuator, 1/8 G Thread, Replacement Actuator Part Number VM-30CY | 32258 | 08890WW8 |
| VZM450-F01-32B | Pneumatic Push Button Valve, with Black Extended Actuator, 1/8 G Thread, Replacement Actuator Part Number VM-32CB  | 32259 | 08890WW9 |
| VZM450-F01-32G | Pneumatic Push Button Valve, with Green Extended Actuator, 1/8 G Thread, Replacement Actuator Part Number VM-32CG  | 32260 | 08890WWA |
| VZM450-F01-34B | Pneumatic Push Button Valve, with Black Twist Actuator, 1/8 G Thread, Replacement Actuator Part Number VM-34CB     | 32262 | 08890WWG |
| VZM450-F01-34G | Pneumatic Push Button Valve, with Green Twist Actuator, 1/8 G Thread, Replacement Actuator Part Number VM-34CG     | 32263 | 08890WWH |
| VZM450-F01-34R | Pneumatic Push Button Valve, with Red Twist Actuator, 1/8 G Thread, Replacement Actuator Part Number VM-34CR       | 32261 | 08890WWF |
| VZM450-F01-34Y | Pneumatic Push Button Valve, with Yellow Twist Actuator, 1/8 G Thread, Replacement Actuator Part Number VM-34CY    | 32264 | 08890X0M |
| VZM450-F01-36  | Pneumatic Push Button Valve, with Key Selector Actuator, 1/8 G Thread, Replacement Actuator Part Number VM-36C     | 32265 | 08890WWJ |
| VZM550-F01-30B | Valve, Pushbutton, Mushroom, 5 Port 1/8 Inch G Thread                                                              | 32217 | 08890PC1 |
| VZM550-F01-34B | Valve, Manual Selector, 5 Port, Black 1/8 Inch G Thread                                                            | 32220 | 08890PC4 |

|  <p><i>*Representative Image</i></p> | <p>Documentation</p> <div data-bbox="430 252 495 315">  </div> <p>VR specs &amp; how to order</p> <p>Standard product configurator/catalog/CAD:</p> |        |             |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|
| SMC Part Number                                                                                                       | Description                                                                                                                                                                                                                          | GCCL # | Common Code |
| VR3100-01G                                                                                                            | Pneumatic Indicator, Green, 1/8 Inch PT Male Thread                                                                                                                                                                                  | 31404  | 043115WA    |
| VR3100-01R                                                                                                            | Pneumatic Indicator Red                                                                                                                                                                                                              | 31405  | 043115RA    |
| VR3100-01O                                                                                                            | Pneumatic Indicator orange                                                                                                                                                                                                           | 31406  | 043115R9    |
| VR4152-F01A-1                                                                                                         | Valve, Relay, 2 Pos., 5 Port, Double Air Pilot 1/8 Inch G Thread                                                                                                                                                                     | 32221  | 08890PKK    |
| VR1220-F02                                                                                                            | Valve, or, Shuttle, 1/4 Inch G Thread                                                                                                                                                                                                | 32222  | 08890PC6    |
| VR4151-F01B-1                                                                                                         | Valve, Relay, 2 Pos., Spring Offset 1/8 Inch G Thread                                                                                                                                                                                | 32223  | 08890PC7    |
| VR2110-F01                                                                                                            | Valve, Time Delay, 1/8 Inch G                                                                                                                                                                                                        | 32241  | 08890TAM    |
| VR1211F-04                                                                                                            | Valve, and with Push in Fitting for 4 mm Tube                                                                                                                                                                                        | 32242  | 08890TAL    |
| VR1211F-06                                                                                                            | Valve, and with Push in Fitting for 6 mm Tube                                                                                                                                                                                        | 32243  | 08890TAK    |
| VR1210F-04                                                                                                            | Valve, or, shuttle with Push in Fitting for 4 mm Tube                                                                                                                                                                                | 32244  | 08890KTR    |
| VR1210F-06                                                                                                            | Valve, or, Shuttle with Push in Fitting for 6 mm Tube                                                                                                                                                                                | 32245  | 08890TAJ    |

## SENSORS AND INSTRUMENTATION

Industrial sensors and switches, sometimes referred to as transducers, installed in the factory automation space can provide essential machine feedback. They can monitor On/Off status, confirm operation within an optimal range, or measure real time operation e.g. pressure or flow.

Industrial sensors and switches can connect to a PLC or other central controller via fieldbus or IO link to enhance troubleshooting by decreasing diagnostic time. Sensors can also become the data source for providing better predictive analytics integral to Industrial Internet of Things (IIoT) or Industry 4.0, all while potentially increasing worker safety.

SMC's pressure sensors (ISE/ZSE) will provide a setpoint-trip signal if a minimum or maximum pressure threshold is broken. The ITV Series electro-pneumatic (E/P) regulator will control air/vacuum pressure stepless in proportion to an electric signal. PF Series flow sensors will monitor flow rate of air, cooling or cleaning water.

### PRESSURE SWITCH, IS SERIES

|  <p><i>*Representative Image</i></p> | <p>Documentation</p> <div>  PS specs &amp; how to order          ISE70 catalog       </div> <p>Standard product configurator/catalog/CAD:</p> |        |             |
|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|
| SMC Part Number                                                                                                       | Description                                                                                                                                                                                                                                                                                                     | GCCL # | Common Code |
| ISE70-F02-L2                                                                                                          | Pressure Switch, IO Link, 1/4" Inch G Male, 0 – 1.0MPa                                                                                                                                                                                                                                                          | 21995  | 0821PH0N    |
| IS10-01-6L                                                                                                            | Pressure Switch, 0 - 1.0 MPa, Two Outputs, 1/8" Inch G female Thread                                                                                                                                                                                                                                            | 21996  | 0821PR0Y    |

## VACUUM

Vacuum generators and suction cups are integral to industrial automation pick and place systems as a gripping solution. Supporting products include vacuum filters, regulators, and vacuum sensors.

SMC suction cups are modular allowing for custom configuration of a multitude of sizes, shapes, materials, and mounting adapters. Options include non-marking types, FDA compliant, various cup shapes, ball-joint connections, and buffers to ensure a perfect fit for every application.

SMC's array of vacuum generators, also referred to as ejectors, have variations that include single ejector unit, manifold, inline, and generator/cup in one.

## VACUUM

|  <p><i>*Representative Image</i></p> | <p>Documentation</p> <div data-bbox="435 657 483 720">  </div> <p>ZH, How to Order</p> <p><a href="#">Link to Vacuum Cups on SMCusa.com</a></p> <p>Standard product configurator/catalog/CAD:</p> |        |             |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|
| SMC Part Number                                                                                                       | Description                                                                                                                                                                                                                                                                        | GCCL # | Common Code |
| ZFC74-B                                                                                                               | Vacuum, Air Suction Filter, with Push On Fittings for 6 mm Tube, with Bracket                                                                                                                                                                                                      | 31451  | 03397JPR    |
| ZH15DSA-08-10-10                                                                                                      | Vacuum Ejector. Body Ported, with Push In Fittings for Tube. 8 mm Supply, 10 mm Vacuum Port, 10 mm Exhaust                                                                                                                                                                         | 31559  | 0293016P    |
| ZH18DSA-10-12-12                                                                                                      | Vacuum Ejector. Body ported, with Push In Fittings for Tube. 10 mm Supply, 12 mm Vacuum Port, 12 mm Exhaust                                                                                                                                                                        | 31551  | 0293016R    |
| ZPT100HBN-A16                                                                                                         | Vacuum Pad, 100 mm Diameter, M16 x 1.5 Port, NBR                                                                                                                                                                                                                                   | 31552  | 024121DP    |
| ZPT125HBN-A16                                                                                                         | Vacuum Pad, 125 mm Diameter, M16 x 1.5 Port, NBR                                                                                                                                                                                                                                   | 31553  | 024121DY    |
| ZPT16BN-B5                                                                                                            | Vacuum Pad, 16 mm Diameter, Bellows, M5 x 0.8 Port, NBR                                                                                                                                                                                                                            | 31554  | 024121F0    |
| ZPT32BN-B5                                                                                                            | Vacuum Pad, 32 mm Diameter, Bellows, M5 x 0.8 Port, NBR                                                                                                                                                                                                                            | 31555  | 024121F1    |
| ZPT40HBN-A14                                                                                                          | Vacuum Pad, 40 mm Diameter, Bellows, M14 x 1 Port, NBR                                                                                                                                                                                                                             | 31556  | 024121F2    |
| ZPT50HBN-A14                                                                                                          | Vacuum Pad, 50 mm Diameter, Bellows, M14 x 1 Port, NBR                                                                                                                                                                                                                             | 31557  | 024121F3    |
| ZPT80HBN-A16                                                                                                          | Vacuum Pad, 80 mm Diameter, Bellows, M16 x 1.5 Port, NBR                                                                                                                                                                                                                           | 31558  | 0241214X    |

## FLOW CONTROLS AND CONNECTORS

Speed controllers have capability to adjust flow to applications with built-in options of integrated check valves, meter-in/meter-out dual flow control, accurate flow indicators and more. Tamper-proof abilities also ensure protected speed measures to the application.

## AIR CONTROLS, VARIES

| <div></div> <div><i>*Representative Image</i></div> | Documentation                                                                                                                                |                                                                                                               |                                                                                                               |                                                                                                                 |                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                      | <div></div> <div>Air Control specs &amp; how to order</div> | <div></div> <div>-X440</div> | <div></div> <div>-X352</div> | <div></div> <div>-X223</div> | <div></div> <div>EAVA5000-F06</div> |
|                                                                                                                                      | Standard product configurator/catalog/CAD:                                                                                                   |                                                                                                               |                                                                                                               |                                                                                                                 |                                                                                                                        |
| SMC Part Number                                                                                                                      | Description                                                                                                                                  | GCCL #                                                                                                        | Common Code                                                                                                   |                                                                                                                 |                                                                                                                        |
| AS800-F12                                                                                                                            | Flow Control, Inline Type 1 1/4 Inch - G Female Thread Both Ends                                                                             | 31286                                                                                                         | 08890P9P                                                                                                      |                                                                                                                 |                                                                                                                        |
| AK2000-F01                                                                                                                           | Valve, Check 1/8 Inch - G Thread                                                                                                             | 31363                                                                                                         | 08890P9Y                                                                                                      |                                                                                                                 |                                                                                                                        |
| AK2000-F02                                                                                                                           | Valve, Check 1/4 Inch - G Thread                                                                                                             | 31364                                                                                                         | 08890K06                                                                                                      |                                                                                                                 |                                                                                                                        |
| AK4000-F03                                                                                                                           | Valve, Check 3/8 Inch - G Thread                                                                                                             | 31365                                                                                                         | 08890K5W                                                                                                      |                                                                                                                 |                                                                                                                        |
| AK4000-F04                                                                                                                           | Valve, Check 1/2 Inch - G Thread                                                                                                             | 31360                                                                                                         | 08890PA0                                                                                                      |                                                                                                                 |                                                                                                                        |
| AK6000-F06                                                                                                                           | Valve, Check 3/4 Inch - G Thread                                                                                                             | 31361                                                                                                         | 08890LGM                                                                                                      |                                                                                                                 |                                                                                                                        |
| AK6000-F10                                                                                                                           | Valve, Check 1 Inch - G Thread                                                                                                               | 31362                                                                                                         | 08890LGN                                                                                                      |                                                                                                                 |                                                                                                                        |
| AKH08-00                                                                                                                             | Check Valve with One touch Fitting for 8 mm Tubing                                                                                           | 31366                                                                                                         | 08890MAL                                                                                                      |                                                                                                                 |                                                                                                                        |
| AKH10-00                                                                                                                             | Check Valve with One touch Fitting for 10 mm Tubing                                                                                          | 31368                                                                                                         | 08890T8L                                                                                                      |                                                                                                                 |                                                                                                                        |
| AQ2000-F01                                                                                                                           | Valve, Quick Exhaust, Diaphragm TYP, 1/8 Inch - G Thread                                                                                     | 31343                                                                                                         | 08890P9V                                                                                                      |                                                                                                                 |                                                                                                                        |
| AQ3000-F02                                                                                                                           | Valve, Quick Exhaust, Diaphragm TYP, 1/4 Inch - G Thread                                                                                     | 31344                                                                                                         | 08890P9W                                                                                                      |                                                                                                                 |                                                                                                                        |
| AQ3000-F03                                                                                                                           | Valve, Quick Exhaust, Diaphragm TYP, 3/8 Inch - G Thread                                                                                     | 31340                                                                                                         | 08890NGA                                                                                                      |                                                                                                                 |                                                                                                                        |
| AQ5000-F04                                                                                                                           | Valve, Quick Exhaust, Diaphragm TYP, 1/2 Inch - G Thread                                                                                     | 31341                                                                                                         | 08890KNP                                                                                                      |                                                                                                                 |                                                                                                                        |
| AQ5000-F06                                                                                                                           | Valve, Quick Exhaust, Diaphragm TYP, 3/4 Inch - G Thread                                                                                     | 31342                                                                                                         | 08890P9X                                                                                                      |                                                                                                                 |                                                                                                                        |
| AS2000-F01                                                                                                                           | Flow Control, Inline Type 1/8 Inch - G Female Thread Both Ends                                                                               | 31281                                                                                                         | 08890KNR                                                                                                      |                                                                                                                 |                                                                                                                        |
| AS3000-F02                                                                                                                           | Flow Control, Inline Type 1/4 Inch - G Female Thread Both Ends                                                                               | 31282                                                                                                         | 08890KNT                                                                                                      |                                                                                                                 |                                                                                                                        |
| AS3000-F03                                                                                                                           | Flow Control, Inline Type 3/8 Inch - G Female Thread Both Ends                                                                               | 31283                                                                                                         | 08890K62                                                                                                      |                                                                                                                 |                                                                                                                        |
| AS4000-F04                                                                                                                           | Flow Control, Inline Type 1/2 Inch - G Female Thread Both Ends                                                                               | 31280                                                                                                         | 08890K64                                                                                                      |                                                                                                                 |                                                                                                                        |
| AS500-F06                                                                                                                            | Flow Control, Inline Type 3/4 Inch - G Female Thread Both Ends                                                                               | 31284                                                                                                         | 08890LK7                                                                                                      |                                                                                                                 |                                                                                                                        |
| AS600-F10                                                                                                                            | Flow Control, Inline Type 1 Inch - G Female Thread Both Ends                                                                                 | 31285                                                                                                         | 08890P9N                                                                                                      |                                                                                                                 |                                                                                                                        |
| AS900-F14                                                                                                                            | Flow Control, Inline Type 1-1/2 Inch - G Female Thread Both Ends                                                                             | 31287                                                                                                         | 08890RL7                                                                                                      |                                                                                                                 |                                                                                                                        |

|                     |                                                                                                                                                                                          |       |          |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|
| AS900-F20           | Flow Control, Inline Type 2 Inch - G Female Thread Both Ends                                                                                                                             | 31288 | 08890P9T |
| ASP430F-F02-08S     | Pilot Operated Check Valve, Plus Flow Control. 1/4 Inch G Male, and One touch Fitting for 8 mm Tube. No Manual Pressure Relief. for Manual Pressure Relief Use 30311 or 30317            | 30114 | 08890K04 |
| ASP430F-F02-08-X440 | Pilot Operated Check Valve, Plus Flow Control, Plus Pressure Relief. 1/4 Inch G Male to Cylinder, 8 mm One touch Fitting to Valve, 1/4 Inch G for Pilot Air                              | 30317 | 08890VNJ |
| ASP630F-F04-12-X440 | Pilot Operated Check Valve, Plus Flow Control, Plus Pressure Relief. 1/2 Inch G Male to Cylinder, 12 mm One touch Fitting to Valve, 1/2 Inch G for Pilot Air                             | 30319 | 08890V5X |
| ASP530F-F03-10-X440 | Pilot Operated Check Valve, Plus Flow Control, Plus Pressure Relief. 13/8 Inch G Male to Cylinder, 10 mm One touch Fitting to Valve, 3/8 Inch G for Pilot Air                            | 30318 | 08890VNK |
| ASP430F-U02-08-X352 | Pilot Operated Check Valve, Plus Flow Control, Plus Pressure Relief. 1/4 Inch Unifit (for G, NPT, Rc ports) Male to Cylinder, 8 mm One touch Fitting to Valve, 1/4 Inch G for Pilot Air  | 30311 | 08890LVJ |
| ASP530F-U03-10-X352 | Pilot Operated Check Valve, Plus Flow Control, Plus Pressure Relief. 3/8 Inch Unifit (for G, NPT, Rc ports) Male to Cylinder, 10 mm One touch Fitting to Valve, 3/8 Inch G for Pilot Air | 30312 | 08890LVG |
| ASP630F-U04-12-X352 | Pilot Operated Check Valve, Plus Flow Control, Plus Pressure Relief. 1/2 Inch Unifit (for G, NPT, Rc ports) Male to Cylinder, 12 mm One touch Fitting to Valve, 1/2 Inch G for Pilot Air | 30313 | 08890LVH |
| ASP530F-F03-08S     | Pilot Operated Check Valve, Plus Flow Control. 3/8 Inch G Male, and One touch Fitting for 8 mm Tube No Manual Pressure Relief. for Manual Pressure Relief Use 30312 or 30318             | 30115 | 08890T8M |
| ASP630F-F04-10S     | Pilot Operated Check Valve, Plus Flow Control. 1/2 Inch G Male, and One touch Fitting for 10 mm Tube No Manual Pressure Relief. for Manual Pressure Relief Use 30313 or 30319            | 30116 | 08890T8N |
| ASS300-F03          | Valve, Slow Start, Meter Out, 3/8 Inch- G Thread, (Meter-In Flow Upon Initial System Pressurization, Meter-Out Flow Thereafter)                                                          | 31370 | 08890PA1 |
| ASS500-F04          | Valve, Slow Start, Meter Out, 1/2 Inch- G Thread, (Meter-In Flow Upon Initial System Pressurization, Meter-Out Flow Thereafter)                                                          | 31371 | 08890PA2 |
| ASS500-F06          | Valve, Slow Start, Meter Out, 3/4 Inch - G Thread, (Meter-In Flow Upon Initial System Pressurization, Meter-Out Flow Thereafter)                                                         | 31372 | 08890PA3 |
| ASS600-F10          | Valve, Slow Start, Meter Out, 1 Inch - G Thread, (Meter-In Flow Upon Initial System Pressurization, Meter-Out Flow Thereafter)                                                           | 31373 | 08890PA4 |
| AV4000-F04-5DZ-X223 | 3 Way Soft Start Valves, 1/2" G with DIN Adaptor and M12 Connector                                                                                                                       | 31376 | 08890LVK |
| AV5000-F06-5DZ-X223 | 3 Way Soft Start Valves, 3/4" G with DIN Adaptor and M12 Connector                                                                                                                       | 31377 | 088912L4 |
| AV5000-F10-5DZ-X223 | 3 Way Soft Start Valves, 1" G with DIN Adaptor and M12 Connector                                                                                                                         | 31378 | 088912TR |
| AVA4000-F04         | Slow Start with 1/2 Inch G Ports                                                                                                                                                         | 31374 | 088913TN |
| AVL4000-F04         | Air Prep, Slow Start Valve, 1/2 Inch, Spare for Air Prep Assembly                                                                                                                        | 31618 | 08890TC9 |
| AVL5000-F06         | Air Prep, Slow Start Valve, 3/4 Inch, Spare for Air Prep Assembly                                                                                                                        | 31619 | 08890TCA |

|              |                                                                                                 |       |          |
|--------------|-------------------------------------------------------------------------------------------------|-------|----------|
| EAVA5000-F06 | Slow Start with 3/4 Inch G Ports                                                                | 31375 | 08890T8R |
| VR51-C06B    | Safety, Anti Tie Down, Push On Fittings for 6 mm Tube                                           | 31367 | 08890TC7 |
| WI500-06     | Water Flow Indicator, 3/4 Inch PT Thread                                                        | 31403 | 043115N6 |
| XTO-1239-F02 | Valve, Pilot Operated Check, 1/4 - G Ports, 1/4 - G Pilot Port, Operating Pressure 28.5-140 PSI | 30111 | 08890PP4 |
| XTO-1239-F03 | Valve, Pilot Operated Check, 3/8 - G Ports, 1/4 - G Pilot Port, Operating Pressure 28.5-140 PSI | 30112 | 08890PP5 |
| XTO-1239-F04 | Valve, Pilot Operated Check, 1/2 - G ports, 1/4 - G Pilot Port, Operating Pressure 28.5-140 PSI | 30113 | 08890PP3 |

## FLOW CONTROLS (ELBOW), AS SERIES

| <br><i>*Representative Image</i> | Documentation<br><br>Flow Control specs<br>& how to order<br><br>Standard product configurator/catalog/CAD: |        |             |
|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|
| SMC Part Number                                                                                                   | Description                                                                                                                                                                                  | GCCL # | Common Code |
| AS2200-G01-X396                                                                                                   | Flow Control, 90 Deg, Meter Out, 1/8 Inch G Male and Female, Metal Body                                                                                                                      | 31253  | 08890RK5    |
| AS2200-G02-X396                                                                                                   | Flow Control, 90 Deg, Meter Out, 1/4 Inch G Male and Female, Metal Body                                                                                                                      | 31250  | 08890RK2    |
| AS2201F-01-23SD                                                                                                   | Flow Control, 90 Degree Elbow, Meter Out, R 1/8 Port, 3.2 O.D Tube, 1/8 Inch - 1/4 Inch Body                                                                                                 | 31258  | 08890WVA    |
| AS2201F-02-04SD                                                                                                   | Flow Control, 90 Degree Elbow, Meter Out, R 1/4 Port, 4 O.D Tube, 1/8 Inch - 1/4 Inch Body                                                                                                   | 31259  | 08890WVF    |
| AS2201F-G01-06W2D                                                                                                 | Flow Control, 90 Deg, Meter Out, 1/8 Inch G Male, 6mm Tube, Flame Resistant Composite                                                                                                        | 31225  | 08890RJ4    |
| AS2201F-G01-08W2D                                                                                                 | Flow Control, 90 Deg, Meter Out, 1/8 Inch G male, 8mm Tube, Flame Resistant Composite                                                                                                        | 31226  | 08890RJ5    |
| AS2201F-G01-10W2D                                                                                                 | Flow Control, 90 Deg, Meter Out, 1/8 Inch G Male, 10mm Tube, Flame Resistant Composite                                                                                                       | 31227  | 08890RJ6    |
| AS2201F-G02-06W2D                                                                                                 | Flow Control, 90 Deg, Meter Out, 1/4 Inch G Male, 6mm Tube, Flame Resistant Composite                                                                                                        | 31228  | 08891PNT    |
| AS2201F-G02-08W2D                                                                                                 | Flow Control, 90 Deg, Meter Out, 1/4 Inch G Male, 8mm Tube, Flame Resistant Composite                                                                                                        | 31229  | 08891H4R    |
| AS2201F-G02-10W2D                                                                                                 | Flow Control, 90 Deg, Meter Out, 1/4 Inch G Male, 10mm Tube, Flame Resistant Composite                                                                                                       | 31230  | 08891H4V    |
| AS3201F-G02-12W2-X437                                                                                             | Flow Control, 90 Deg, Meter Out, 1/4 G male, 12mm tube, Flame Resistant Composite                                                                                                            | 31231  | 08890VLF    |

|                       |                                                                                              |       |          |
|-----------------------|----------------------------------------------------------------------------------------------|-------|----------|
| AS2210-G01-X396       | Flow Control, 90 Deg, Meter In, 1/8 Inch G Male and Female, Metal Body                       | 31257 | 08890RK9 |
| AS2210-G02-X396       | Flow Control, 90 Deg, Meter In, 1/4 Inch G Male and Female, Metal Body                       | 31254 | 08890RK6 |
| AS2211F-G01-06W2D     | Flow Control, 90 Deg, Meter In, 1/8 Inch G Male, 6mm Tube, Flame Resistant Composite         | 31237 |          |
| AS2211F-G01-08W2D     | Flow Control, 90 Deg, Meter In, 1/8 Inch G Male, 8mm Tube, Flame Resistant Composite         | 31238 | 08890RJM |
| AS2211F-G01-10W2D     | Flow Control, 90 Deg, Meter In, 1/8 Inch G Male, 10mm Tube, Flame Resistant Composite        | 31239 |          |
| AS2211F-G02-06W2D     | Flow Control, 90 Deg, Meter In, 1/4 Inch G Male, 6mm Tube, Flame Resistant Composite         | 31240 |          |
| AS2211F-G02-08W2D     | Flow Control, 90 Deg, Meter In, 1/4 Inch G Male, 8mm Tube, Flame Resistant Composite         | 31241 |          |
| AS2211F-G02-10W2D     | Flow Control, 90 Deg, Meter In, 1/4 Inch G Male, 10mm Tube, Flame Resistant Composite        | 31242 |          |
| AS3211F-G02-12W2-X437 | Flow Control, 90 Deg, Meter In, 1/4 G male, 12mm Tube, Flame Resistant Composite             | 31243 |          |
| AS2301F-01-23SD       | Flow Control, Universal Elbow, Meter Out, R 1/8 Port, 3.2 O.D Tube, 1/8 Inch - 1/4 Inch Body | 31263 | 08890WVK |
| AS2301F-02-04SD       | Flow Control, Universal Elbow, Meter Out, R 1/4 Port, 4 O.D Tube, 1/8 Inch - 1/4 Inch Body   | 31264 | 08890WVL |
| AS3200-G03-X396       | Flow Control, 90 Deg, Meter Out, 3/8 Inch G Male and Female, Metal Body                      | 31251 | 08890RK3 |
| AS3201F-02-06SD       | Flow Control, 90 Degree Elbow, Meter Out, R 1/4 Port, 6 O.D Tube, 3/8 Inch Body              | 31260 | 08890WVG |
| AS3201F-03-08SD       | Flow Control, 90 Degree Elbow, Meter Out, R 3/8 Port, 8 O.D Tube, 3/8 Inch Body              | 31261 | 08890WVH |
| AS3201F-G03-08W2D     | Flow Control, 90 Deg, Meter Out, 3/8 Inch G Male, 8mm Tube, Flame Resistant Composite        | 31232 | 08891H51 |
| AS3201F-G03-10W2D     | Flow Control, 90 Deg, Meter Out, 3/8 Inch G Male, 10mm Tube, Flame Resistant Composite       | 31233 | 08891KAX |
| AS3201F-G03-12W2D     | Flow Control, 90 Deg, Meter Out, 3/8 Inch G Male, 12mm Tube, Flame Resistant Composite       | 31234 | 08890RJH |
| AS3210-G03-X396       | Flow Control, 90 Deg, Meter In, 3/8 Inch G Male and Female, Metal Body                       | 31255 | 08890RK7 |
| AS3211F-G03-08W2D     | Flow Control, 90 Deg, Meter In, 3/8 Inch G Male, 8mm Tube, Flame Resistant Composite         | 31244 |          |
| AS3211F-G03-10W2D     | Flow Control, 90 Deg, Meter In, 3/8 Inch G Male, 10mm Tube, Flame Resistant Composite        | 31245 |          |
| AS3211F-G03-12W2D     | Flow Control, 90 Deg, Meter In, 3/8 Inch G Male, 12mm Tube, Flame Resistant Composite        | 31246 |          |

|                   |                                                                                        |       |          |
|-------------------|----------------------------------------------------------------------------------------|-------|----------|
| AS3301F-02-06SD   | Flow Control, Universal Elbow, Meter Out, R 1/4 Port, 6 O.D Tube, 3/8 Inch Body        | 31265 | 08890WVM |
| AS3301F-03-08SD   | Flow Control, Universal Elbow, Meter Out, R 3/8 Port, 8 O.D Tube, 3/8 Inch Body        | 31266 | 08890WVN |
| AS4200-G04-X396   | Flow Control, 90 Deg, Meter Out, 1/2 Inch G Male and Female, Metal Body                | 31252 | 08890RK4 |
| AS4201F-04-10SD   | Flow Control, 90 Degree Elbow, Meter Out, R 1/2 Port, 10 O.D Tube, 1/2 Inch Body       | 31262 | 08890WVJ |
| AS4201F-G04-10W2D | Flow Control, 90 Deg, Meter Out, 1/2 Inch G Male, 10mm Tube, Flame Resistant Composite | 31235 | 08891VAT |
| AS4201F-G04-12W2D | Flow Control, 90 Deg, Meter Out, 1/2 Inch G Male, 12mm Tube, Flame Resistant Composite | 31236 | 08891K11 |
| AS4210-G04-X396   | Flow Control, 90 Deg, Meter In, 1/2 Inch G Male and Female, Metal Body                 | 31256 | 08890RK8 |
| AS4211F-G04-10W2D | Flow Control, 90 Deg, Meter In, 1/2 Inch G Male, 10mm Tube, Flame Resistant Composite  | 31247 |          |
| AS4211F-G04-12W2D | Flow Control, 90 Deg, Meter In, 1/2 Inch G Male, 12mm Tube, Flame Resistant Composite  | 31248 |          |
| AS4301F-04-10SD   | Flow Control, Universal Elbow, Meter Out, R 1/2 Port, 10 O.D Tube, 1/2 Inch Body       | 31267 | 08890WVP |

## TUBING

Tubing comes in a variety of material types to accommodate for various media through the connectors. Some material types include polyurethane, fluororesin, polyolefin, spark resistant, water resistant and polyethylene. Varying materials prevent corrosion, damage from high temperatures and hydrolysis.

Tubing is available in sizes of 1/8", 5/32", 3/16", 1/4", 5/16", 3/8" and 1/2". Metric tubing sizes of 3.2, 4, 6, 8, 10, 12 and 16 mm are also available.

## WELD RESISTANT TUBING, VARIES

|  <p><i>*Representative Image</i></p> | Documentation <div>  TRBU-  TRS- </div> Standard product configurator/catalog/CAD: |        |             |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|
| SMC Part Number                                                                                                       | Description                                                                                                                                                                                                                                          | GCCL # | Common Code |
| TRBU0604BU-20                                                                                                         | Tubing, double layer polyurethane, flame resistant, 6mm, blue, 20m                                                                                                                                                                                   |        | 08805960    |
| TRBU0604BU-100                                                                                                        | Tubing, double layer polyurethane, flame resistant, 6mm, blue, 100m                                                                                                                                                                                  |        |             |
| TRBU0604W-20                                                                                                          | Tubing, double layer polyurethane, flame resistant, 6mm, white, 20m                                                                                                                                                                                  |        | 08805963    |
| TRBU0604W-100                                                                                                         | Tubing, double layer polyurethane, flame resistant, 6mm, white, 100m                                                                                                                                                                                 |        |             |
| TRBU0604R-20                                                                                                          | Tubing, double layer polyurethane, flame resistant, 6mm, red, 20m                                                                                                                                                                                    |        | 08805962    |
| TRBU0604R-100                                                                                                         | Tubing, double layer polyurethane, flame resistant, 6mm, red, 100m                                                                                                                                                                                   |        |             |
| TRBU0604G-20                                                                                                          | Tubing, double layer polyurethane, flame resistant, 6mm, green, 20m                                                                                                                                                                                  |        | 08805961    |
| TRBU0604G-100                                                                                                         | Tubing, double layer polyurethane, flame resistant, 6mm, green, 100m                                                                                                                                                                                 |        |             |
| TRBU0805BU-20                                                                                                         | Tubing, double layer polyurethane, flame resistant, 8mm, blue, 20m                                                                                                                                                                                   |        | 08805938    |
| TRBU0805BU-100                                                                                                        | Tubing, double layer polyurethane, flame resistant, 8mm, blue, 100m                                                                                                                                                                                  |        |             |
| TRBU0805W-20                                                                                                          | Tubing, double layer polyurethane, flame resistant, 8mm, white, 20m                                                                                                                                                                                  |        | 08805967    |
| TRBU0805W-100                                                                                                         | Tubing, double layer polyurethane, flame resistant, 8mm, white, 100m                                                                                                                                                                                 |        |             |
| TRBU0805G-20                                                                                                          | Tubing, double layer polyurethane, flame resistant, 8mm, green, 20m                                                                                                                                                                                  |        | 08805AT4    |
| TRBU0805G-100                                                                                                         | Tubing, double layer polyurethane, flame resistant, 8mm, green, 100m                                                                                                                                                                                 |        |             |
| TRBU0805R-20                                                                                                          | Tubing, double layer polyurethane, flame resistant, 8mm, red, 20m                                                                                                                                                                                    |        | 08805966    |
| TRBU0805R-100                                                                                                         | Tubing, double layer polyurethane, flame resistant, 8mm, red, 100m                                                                                                                                                                                   |        |             |
| TRBU1065BU-20                                                                                                         | Tubing, double layer polyurethane, flame resistant, 10mm, blue 20m                                                                                                                                                                                   |        | 0880596A    |

|                |                                                                       |  |          |
|----------------|-----------------------------------------------------------------------|--|----------|
| TRBU1065BU-100 | Tubing, double layer polyurethane, flame resistant, 10mm, blue 100m   |  | 0880593W |
| TRBU1065W-20   | Tubing, double layer polyurethane, flame resistant, 10mm, white, 20m  |  | 0880596H |
| TRBU1065W-100  | Tubing, double layer polyurethane, flame resistant, 10mm, white, 100m |  | 0880593X |
| TRBU1065G-20   | Tubing, double layer polyurethane, flame resistant, 10mm, green, 20m  |  | 0880596F |
| TRBU1065G-100  | Tubing, double layer polyurethane, flame resistant, 10mm, green, 100m |  |          |
| TRBU1065R-20   | Tubing, double layer polyurethane, flame resistant, 10mm, red, 20m    |  | 0880596G |
| TRBU1065R-100  | Tubing, double layer polyurethane, flame resistant, 10mm, red, 100m   |  |          |
| TRBU1208BU-20  | Tubing, double layer polyurethane, flame resistant, 12mm, blue 20m    |  | 0880596L |
| TRBU1208BU-100 | Tubing, double layer polyurethane, flame resistant, 12mm, blue 100m   |  | 088059R5 |
| TRBU1208W-20   | Tubing, double layer polyurethane, flame resistant, 12mm, white, 20m  |  | 0880596P |
| TRBU1208W-100  | Tubing, double layer polyurethane, flame resistant, 12mm, white, 100m |  |          |
| TRBU1208G-20   | Tubing, double layer polyurethane, flame resistant, 12mm, green, 20m  |  | 0880596M |
| TRBU1208G-100  | Tubing, double layer polyurethane, flame resistant, 12mm, green, 100m |  |          |
| TRBU1208R-20   | Tubing, double layer polyurethane, flame resistant, 12mm, red, 20m    |  | 0880596N |
| TRBU1208R-100  | Tubing, double layer polyurethane, flame resistant, 12mm, red, 100m   |  |          |
| IN-241-2300BU  | Tubing, soft nylon, flame resistant, 16mm, blue, 100m                 |  | 088058F4 |
| IN-241-2300W   | Tubing, soft nylon, flame resistant, 16mm, white, 100m                |  | 088058F9 |
| IN-241-2300G   | Tubing, soft nylon, flame resistant, 16mm, green, 100m                |  | 088058FP |
| IN-241-2300R   | Tubing, soft nylon, flame resistant, 16mm, red, 100m                  |  | 088058FJ |
| TKS-08         | Tubing, Double Layer Skiving tool, 8mm                                |  | 1129018N |
| TKS-10         | Tubing, Double Layer Skiving tool, 10mm                               |  | 1129026F |
| TKS-12         | Tubing, Double Layer Skiving tool, 12mm                               |  | 112902GP |
| IN-289-2006    | Weld spatter cover for 6mm tube, PVC                                  |  | 022765HP |
| IN-289-2007    | Weld spatter cover for 8mm tube PVC                                   |  | 022765HR |
| IN-289-2008    | Weld spatter cover for 10mm tube PVC                                  |  | 022765M7 |
| IN-289-2009    | Weld spatter cover for 12mm tube PVC                                  |  | 0227663N |

|               |                                                       |  |          |
|---------------|-------------------------------------------------------|--|----------|
| KR-16C-X232   | Weld spatter cover for 16mm tube PVC                  |  | 02276853 |
| KR-06C        | Weld spatter cover for 6mm tube, RUBBER               |  | 022766WT |
| KR-08C        | Weld spatter cover for 8mm tube RUBBER                |  | 022765M8 |
| KR-10C        | Weld spatter cover for 10mm tube RUBBER               |  | 02276A54 |
| KR-12C        | Weld spatter cover for 12mm tube RUBBER               |  | 022768TH |
| TRS0603BU-20  | Tubing, soft nylon, flame resistant, 6mm, blue, 20m   |  | 088058F0 |
| TRS0603R-20   | Tubing, soft nylon, flame resistant, 6mm, red, 20m    |  | 088058FA |
| TRS0603W-20   | Tubing, soft nylon, flame resistant, 6mm, white, 20m  |  | 088058F5 |
| TRS0603G-20   | Tubing, soft nylon, flame resistant, 6mm, green, 20m  |  | 088058FK |
| TRS0805BU-20  | Tubing, soft nylon, flame resistant, 8mm, blue, 20m   |  | 088058F1 |
| TRS0805G-20   | Tubing, soft nylon, flame resistant, 8mm, green, 20m  |  | 088058FL |
| TRS0805R-20   | Tubing, soft nylon, flame resistant, 8mm, red, 20m    |  | 088058FF |
| TRS0805W-20   | Tubing, soft nylon, flame resistant, 8mm, white, 20m  |  | 088058F6 |
| TRS1065BU-20  | Tubing, soft nylon, flame resistant, 10mm, blue 20m   |  | 088058F2 |
| TRS1065G-20   | Tubing, soft nylon, flame resistant, 10mm, green, 20m |  | 088058FM |
| TRS1065R-20   | Tubing, soft nylon, flame resistant, 10mm, red, 20m   |  | 088058FG |
| TRS1065W-20   | Tubing, soft nylon, flame resistant, 10mm, white, 20m |  | 088058F7 |
| TRS1208BU-20  | Tubing, soft nylon, flame resistant, 12mm, blue, 20m  |  | 088058F3 |
| TRS1208G-20   | Tubing, soft nylon, flame resistant, 12mm, green, 20m |  | 088058FN |
| TRS1208R-20   | Tubing, soft nylon, flame resistant, 12mm, red, 20m   |  | 088058FH |
| TRS1208W-20   | Tubing, soft nylon, flame resistant, 12mm, white, 20m |  | 088058F8 |
| TRS0603BU-100 | Tubing, soft nylon, flame resistant, 6mm, blue, 100m  |  | 088058K0 |
| TRS0603G-100  | Tubing, soft nylon, flame resistant, 6mm, green, 100m |  | 088058K1 |
| TRS0603R-100  | Tubing, soft nylon, flame resistant, 6mm, red, 100m   |  | 088058K2 |
| TRS0603W-100  | Tubing, soft nylon, flame resistant, 6mm, white, 100m |  | 088059TL |
| TRS0805BU-100 | Tubing, soft nylon, flame resistant, 8mm, blue, 100   |  | 088058K4 |
| TRS0805G-100  | Tubing, soft nylon, flame resistant, 8mm, green, 100m |  | 088058K5 |
| TRS0805R-100  | Tubing, soft nylon, flame resistant, 8mm, red, 100m   |  | 088058K6 |
| TRS0805W-100  | Tubing, soft nylon, flame resistant, 8mm, white, 100m |  | 088058K7 |
| TRS1065BU-100 | Tubing, soft nylon, flame resistant, 10mm, blue, 100m |  | 088058K8 |

|               |                                                        |  |          |
|---------------|--------------------------------------------------------|--|----------|
| TRS1065G-100  | Tubing, soft nylon, flame resistant, 10mm, green, 100m |  | 088058K9 |
| TRS1065R-100  | Tubing, soft nylon, flame resistant, 10mm, red, 100m   |  | 088058KA |
| TRS1065W-100  | Tubing, soft nylon, flame resistant, 10mm, white, 100m |  | 088059TM |
| TRS1208BU-100 | Tubing, soft nylon, flame resistant, 12mm, blue, 100m  |  | 088058KG |
| TRS1208G-100  | Tubing, soft nylon, flame resistant, 12mm, green, 100m |  | 088058KH |
| TRS1208R-100  | Tubing, soft nylon, flame resistant, 12mm, red, 100m   |  | 088058KJ |
| TRS1208W-100  | Tubing, soft nylon, flame resistant, 12mm, white, 100m |  | 088058KK |
| IN-241-2300BU | Tubing, soft nylon, flame resistant, 16mm, blue, 100m  |  | 088058F4 |
| IN-241-2300G  | Tubing, soft nylon, flame resistant, 16mm, green, 100m |  | 088058FP |
| IN-241-2300R  | Tubing, soft nylon, flame resistant, 16mm, red, 100m   |  | 088058FJ |
| IN-241-2300W  | Tubing, soft nylon, flame resistant, 16mm, white, 100m |  | 088058F9 |

## FITTINGS

### FITTINGS

|                                                                                                                     |                                                                                                                                                                                                                                                                                   |                      |     |             |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----|-------------|
| <br><i>*Representative Image</i> | Documentation<br><a href="#">Link to KQ2 Configuration on SMCusa.com</a> Standard Fittings<br><a href="#">Link to KR Configuration on SMCusa.com</a> Flame Resistant Fittings<br><a href="#">Link to Manifold Fitting Configuration on SMCusa.com</a> Manifold Fittings, KDM, KRM |                      |     |             |
|                                                                                                                     | Standard product configurator/catalog/CAD:                                                                                                                                                                                                                                        |                      |     |             |
| SMC Part Number                                                                                                     | Description                                                                                                                                                                                                                                                                       | Lot Size Requirement | UOM | Common Code |
| KV-HA36-03                                                                                                          | ADAPTER                                                                                                                                                                                                                                                                           | 1                    | EA  | 0207-GJHM   |
| KQ2C04-00A                                                                                                          | CAP                                                                                                                                                                                                                                                                               | 10                   | EA  | 0207-GJHN   |
| KQ2C-04BA                                                                                                           | CAP                                                                                                                                                                                                                                                                               | 10                   | EA  | 0207-GK18   |
| KQ2C-04CBA                                                                                                          | CAP                                                                                                                                                                                                                                                                               | 10                   | EA  | 0207-GHL0   |
| KQ2C-04WA                                                                                                           | CAP                                                                                                                                                                                                                                                                               | 10                   | EA  | 0207-GGKA   |
| KQ2C-04YA                                                                                                           | CAP                                                                                                                                                                                                                                                                               | 10                   | EA  | 0207-GGKF   |
| KQ2C06-00A                                                                                                          | CAP                                                                                                                                                                                                                                                                               | 10                   | EA  | 0207-GCYJ   |
| KQ2C07-00A                                                                                                          | CAP                                                                                                                                                                                                                                                                               | 10                   | EA  | 0207-GHL1   |
| KQ2C-07BA                                                                                                           | CAP                                                                                                                                                                                                                                                                               | 10                   | EA  | 0207-GGN2   |
| KQ2C-07B-G                                                                                                          | CAP                                                                                                                                                                                                                                                                               | 10                   | EA  | 0207-GGKJ   |
| KQ2C-07GA                                                                                                           | CAP                                                                                                                                                                                                                                                                               | 10                   | EA  | 0207-GHG8   |

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| KQ2C-07RA       | CAP       | 10 | EA | 0207-GHL2 |
| KQ2C-07YA       | CAP       | 10 | EA | 0207-GGKK |
| KQ2C08-00A      | CAP       | 10 | EA | 0207-GGKL |
| KQ2C09-00A      | CAP       | 10 | EA | 0207-GGKM |
| KQ2C10-00A      | CAP       | 10 | EA | 0294-A6HY |
| KQ2C11-00A      | CAP       | 10 | EA | 0294-A5V4 |
| KQ2C12-00A      | CAP       | 10 | EA | 0294-A5V5 |
| 1425/SDS10-G1/2 | CONNECTOR | 1  | EA | 0294-A455 |
| 1425/SDS10-G1/4 | CONNECTOR | 1  | EA | 0294-A5V7 |
| 1425/SDS10-G3/8 | CONNECTOR | 1  | EA | 0294-A5JH |
| 1425/SDS12-G1/2 | CONNECTOR | 1  | EA | 0294-A5V8 |
| 1425/SDS12-G1/4 | CONNECTOR | 1  | EA | 0840-58FR |
| 1425/SDS12-G3/8 | CONNECTOR | 1  | EA | 0840-581V |
| 1425/SDS14-G3/8 | CONNECTOR | 1  | EA | 0840-581W |
| 1425/SDS16-G1/2 | CONNECTOR | 1  | EA | 0294-A3G2 |
| 1425/SDS6-G1/4  | CONNECTOR | 1  | EA | 0294-A3G1 |
| 1425/SDS6-G1/8  | CONNECTOR | 1  | EA | 0887-33F7 |
| 1425/SDS6-G3/8  | CONNECTOR | 1  | EA | 0887-34DT |
| 1425/SDS8-G1/2  | CONNECTOR | 1  | EA | 0887-33TP |
| 1425/SDS8-G1/4  | CONNECTOR | 1  | EA | 0887-34AN |
| 1425/SDS8-G1/8  | CONNECTOR | 1  | EA | 0207-GHMA |
| 1425/SDS8-G3/8  | CONNECTOR | 1  | EA | 0207-GHL3 |
| KCH08-02S       | CONNECTOR | 10 | EA | 0887-34DV |
| KCH08-03S       | CONNECTOR | 10 | EA | 0887-34D6 |
| KCH12-03S       | CONNECTOR | 10 | EA | 0207-GHL4 |
| KDM10-03        | CONNECTOR | 1  | EA | 0207-GD3M |
| KDM10-04        | CONNECTOR | 1  | EA | 0207-GG1K |
| KDM10-06        | CONNECTOR | 1  | EA | 0207-GACK |
| KDM10-07        | CONNECTOR | 1  | EA | 0207-GD3K |
| KDM10-08        | CONNECTOR | 1  | EA | 0207-GC87 |

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| KDM10P-04  | CONNECTOR | 1  | EA | 0207-GC89 |
| KDM10P-06  | CONNECTOR | 1  | EA | 0207-GC8A |
| KDM10P-08  | CONNECTOR | 1  | EA | 0207-GJ19 |
| KDM10S-04  | CONNECTOR | 1  | EA | 0207-GC8F |
| KDM10S-06  | CONNECTOR | 1  | EA | 0207-GC8G |
| KDM10S-08  | CONNECTOR | 1  | EA | 0207-GJ18 |
| KDM20-03   | CONNECTOR | 1  | EA | 0207-GGWW |
| KDM20-04   | CONNECTOR | 1  | EA | 0207-GGMM |
| KDM20-07   | CONNECTOR | 1  | EA | 0207-G7HH |
| KDM20P-08  | CONNECTOR | 1  | EA | 0207-GJA0 |
| KDM20S-08  | CONNECTOR | 1  | EA | 0207-GJA1 |
| KFH06-01   | CONNECTOR | 10 | EA | 0889-0PVJ |
| KFH06-02   | CONNECTOR | 10 | EA | 0889-0PHN |
| KFH08N-02  | CONNECTOR | 10 | EA | 0889-0PVK |
| KFH08U-01  | CONNECTOR | 10 | EA | 0889-0PVL |
| KFH08U-02  | CONNECTOR | 10 | EA | 0889-0WT6 |
| KFH12N-03  | CONNECTOR | 10 | EA | 0889-0LVN |
| KFH12N-04  | CONNECTOR | 10 | EA | 0889-0LVP |
| KFH12U-02  | CONNECTOR | 10 | EA | 0887-33DR |
| KFH12U-03  | CONNECTOR | 10 | EA | 0207-GC66 |
| KFH12U-04  | CONNECTOR | 10 | EA | 0207-GHY0 |
| KGS10-02   | CONNECTOR | 2  | EA | 0887-33DT |
| KQ2E01-35A | CONNECTOR | 10 | EA | 0207-GAPX |
| KQ2E03-35A | CONNECTOR | 10 | EA | 0887-33DV |
| KQ2E04-01A | CONNECTOR | 10 | EA | 0207-G9V3 |
| KQ2E04-02A | CONNECTOR | 10 | EA | 0207-G9V4 |
| KQ2E05-34A | CONNECTOR | 10 | EA | 0207-GANM |
| KQ2E06-01A | CONNECTOR | 10 | EA | 0207-GADW |
| KQ2E06-01N | CONNECTOR | 10 | EA | 0207-G9V5 |
| KQ2E06-02A | CONNECTOR | 10 | EA | 0207-GANL |

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| KQ2E06-03A | CONNECTOR | 10 | EA | 0207-GC67 |
| KQ2E07-35A | CONNECTOR | 10 | EA | 0294-A3X3 |
| KQ2E08-02A | CONNECTOR | 10 | EA | 0294-A4V0 |
| KQ2E08-03A | CONNECTOR | 10 | EA | 0294-A3X4 |
| KQ2E09-36A | CONNECTOR | 10 | EA | 0294-A3GW |
| KQ2E10-02A | CONNECTOR | 10 | EA | 0294-A3X5 |
| KQ2E10-03A | CONNECTOR | 10 | EA | 0294-A3LM |
| KQ2E11-36A | CONNECTOR | 10 | EA | 0294-A3LP |
| KQ2E12-03A | CONNECTOR | 1  | EA | 0294-A3LL |
| KQ2E12-04A | CONNECTOR | 1  | EA | 0294-A3LN |
| KQ2E13-37A | CONNECTOR | 5  | EA | 0552-DHF2 |
| KQ2F01-32N | CONNECTOR | 10 | EA | 0331-07KK |
| KQ2F03-34A | CONNECTOR | 10 | EA | 0294-A5WP |
| KQ2F03-35A | CONNECTOR | 10 | EA | 0207-GANP |
| KQ2F06-01A | CONNECTOR | 10 | EA | 0840-5783 |
| KQ2F06-02A | CONNECTOR | 10 | EA | 0225-3598 |
| KQ2F07-34A | CONNECTOR | 10 | EA | 0225-35F4 |
| KQ2F07-35A | CONNECTOR | 10 | EA | 0225-35D4 |
| KQ2F07-36A | CONNECTOR | 10 | EA | 0225-35F6 |
| KQ2F08-01A | CONNECTOR | 10 | EA | 0225-3599 |
| KQ2F09-34A | CONNECTOR | 10 | EA | 0225-34Y3 |
| KQ2F09-35A | CONNECTOR | 10 | EA | 0225-35D5 |
| KQ2F09-36A | CONNECTOR | 10 | EA | 0225-33XT |
| KQ2F10-02A | CONNECTOR | 10 | EA | 0225-341H |
| KQ2F10-G03 | CONNECTOR | 10 | EA | 0225-33XV |
| KQ2F11-35A | CONNECTOR | 10 | EA | 0225-33YM |
| KQ2F11-36A | CONNECTOR | 10 | EA | 0225-33X3 |
| KQ2F11-37A | CONNECTOR | 10 | EA | 0225-34LR |
| KQ2F12-03A | CONNECTOR | 10 | EA | 0225-33X6 |
| KQ2F12-04A | CONNECTOR | 10 | EA | 0225-35CP |

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| KQ2F13-37A  | CONNECTOR | 10 | EA | 0225-35CT |
| KQ2H01-02AS | CONNECTOR | 10 | EA | 0510-0697 |
| KQ2H01-32A  | CONNECTOR | 10 | EA | 0510-0696 |
| KQ2H01-33AS | CONNECTOR | 10 | EA | 0510-06C1 |
| KQ2H01-34AS | CONNECTOR | 10 | EA | 0510-05LP |
| KQ2H01-35AS | CONNECTOR | 10 | EA | 0510-05GA |
| KQ2H01-U01A | CONNECTOR | 10 | EA | 0510-07XP |
| KQ2H01-U02A | CONNECTOR | 10 | EA | 0510-06GG |
| KQ2H03-32A  | CONNECTOR | 10 | EA | 0510-06GF |
| KQ2H03-32N  | CONNECTOR | 10 | EA | 0510-05L2 |
| KQ2H03-33AS | CONNECTOR | 10 | EA | 0510-0673 |
| KQ2H03-34AS | CONNECTOR | 10 | EA | 0510-06KW |
| KQ2H03-34NS | CONNECTOR | 10 | EA | 0510-07A3 |
| KQ2H03-35AS | CONNECTOR | 10 | EA | 0510-0698 |
| KQ2H03-U01A | CONNECTOR | 10 | EA | 0510-077G |
| KQ2H03-U01N | CONNECTOR | 10 | EA | 0128-5GM3 |
| KQ2H03-U02A | CONNECTOR | 10 | EA | 0128-5FY7 |
| KQ2H04-01AS | CONNECTOR | 10 | EA | 0128-5FY8 |
| KQ2H04-02AS | CONNECTOR | 10 | EA | 0128-5FY9 |
| KQ2H04-G01  | CONNECTOR | 10 | EA | 0128-5FYA |
| KQ2H04-G02  | CONNECTOR | 10 | EA | 0128-5GM4 |
| KQ2H04-M3G  | CONNECTOR | 10 | EA | 0128-5GPA |
| KQ2H04-M5A  | CONNECTOR | 10 | EA | 0128-5GCJ |
| KQ2H04-U01A | CONNECTOR | 10 | EA | 0128-5G28 |
| KQ2H04-U02A | CONNECTOR | 10 | EA | 0128-5GCK |
| KQ2H05-02AS | CONNECTOR | 10 | EA | 0128-5GCL |
| KQ2H05-32A  | CONNECTOR | 10 | EA | 0128-5GCM |
| KQ2H05-34AS | CONNECTOR | 10 | EA | 0128-5GM5 |
| KQ2H05-35AS | CONNECTOR | 10 | EA | 0128-5GPF |
| KQ2H06-01AS | CONNECTOR | 10 | EA | 0128-5GM6 |

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| KQ2H06-02A  | CONNECTOR | 10 | EA | 0128-5GPG |
| KQ2H06-02AS | CONNECTOR | 10 | EA | 0128-5GM7 |
| KQ2H06-03AS | CONNECTOR | 10 | EA | 0294-A5HK |
| KQ2H06-G01  | CONNECTOR | 10 | EA | 0887-33H1 |
| KQ2H06-G02  | CONNECTOR | 10 | EA | 0207-G7J5 |
| KQ2H06-G03  | CONNECTOR | 10 | EA | 0887-32T5 |
| KQ2H06-M5A  | CONNECTOR | 10 | EA | 0207-G72X |
| KQ2H06-M5N  | CONNECTOR | 10 | EA | 0887-33L5 |
| KQ2H06-M6A  | CONNECTOR | 10 | EA | 0887-346V |
| KQ2H06-U01A | CONNECTOR | 10 | EA | 0207-GAMF |
| KQ2H06-U02A | CONNECTOR | 10 | EA | 0207-GAMG |
| KQ2H06-U03A | CONNECTOR | 10 | EA | 0887-33LV |
| KQ2H07-01A  | CONNECTOR | 10 | EA | 0207-G7J6 |
| KQ2H07-01AS | CONNECTOR | 10 | EA | 0887-33L6 |
| KQ2H07-02AS | CONNECTOR | 10 | EA | 0887-346W |
| KQ2H07-32A  | CONNECTOR | 10 | EA | 0207-GAMH |
| KQ2H07-32N  | CONNECTOR | 10 | EA | 0207-GAWT |
| KQ2H07-34AS | CONNECTOR | 10 | EA | 0207-GAMJ |
| KQ2H07-34NS | CONNECTOR | 10 | EA | 0207-GAMK |
| KQ2H07-35AS | CONNECTOR | 10 | EA | 0887-32ML |
| KQ2H07-36A  | CONNECTOR | 10 | EA | 0887-3395 |
| KQ2H07-36AS | CONNECTOR | 10 | EA | 0207-G58N |
| KQ2H07-M5A  | CONNECTOR | 10 | EA | 0887-33HJ |
| KQ2H07-U01A | CONNECTOR | 10 | EA | 0207-GHDM |
| KQ2H07-U01N | CONNECTOR | 10 | EA | 0207-GHDN |
| KQ2H07-U02A | CONNECTOR | 10 | EA | 0887-33DY |
| KQ2H07-U03A | CONNECTOR | 10 | EA | 0207-G7J7 |
| KQ2H08-01AS | CONNECTOR | 10 | EA | 0887-33HK |
| KQ2H08-02A  | CONNECTOR | 10 | EA | 0207-GAML |
| KQ2H08-02AS | CONNECTOR | 10 | EA | 0207-GAMM |

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| KQ2H08-03AS | CONNECTOR | 10 | EA | 0887-32MK |
| KQ2H08-G01  | CONNECTOR | 10 | EA | 0207-G68T |
| KQ2H08-G03  | CONNECTOR | 10 | EA | 0887-337L |
| KQ2H08-U01A | CONNECTOR | 10 | EA | 0207-GHDP |
| KQ2H08-U02A | CONNECTOR | 10 | EA | 0207-G8DL |
| KQ2H08-U03A | CONNECTOR | 10 | EA | 0887-33GJ |
| KQ2H09-01AS | CONNECTOR | 10 | EA | 0207-G77W |
| KQ2H09-02AS | CONNECTOR | 10 | EA | 0887-33DP |
| KQ2H09-03AS | CONNECTOR | 10 | EA | 0207-GFHP |
| KQ2H09-34AS | CONNECTOR | 10 | EA | 0207-GFW1 |
| KQ2H09-35AS | CONNECTOR | 10 | EA | 0207-GD47 |
| KQ2H09-36AS | CONNECTOR | 10 | EA | 0207-GCN8 |
| KQ2H09-U01A | CONNECTOR | 10 | EA | 0207-GGLP |
| KQ2H09-U01N | CONNECTOR | 10 | EA | 0207-GA6F |
| KQ2H09-U02A | CONNECTOR | 10 | EA | 0207-GA4L |
| KQ2H09-U03A | CONNECTOR | 10 | EA | 0207-GFW2 |
| KQ2H10-01AS | CONNECTOR | 10 | EA | 0207-GK2H |
| KQ2H10-02AS | CONNECTOR | 10 | EA | 0207-GFXK |
| KQ2H10-03AS | CONNECTOR | 10 | EA | 0207-GFXL |
| KQ2H10-04AS | CONNECTOR | 10 | EA | 0207-GFXM |
| KQ2H10-G03  | CONNECTOR | 10 | EA | 0207-GDNM |
| KQ2H10-G04  | CONNECTOR | 10 | EA | 0207-GK26 |
| KQ2H10-U01A | CONNECTOR | 10 | EA | 0207-GD48 |
| KQ2H10-U02A | CONNECTOR | 10 | EA | 0207-GCYK |
| KQ2H10-U03A | CONNECTOR | 10 | EA | 0207-GFW3 |
| KQ2H10-U04A | CONNECTOR | 10 | EA | 0207-GHAK |
| KQ2H11-02AS | CONNECTOR | 10 | EA | 0207-GC8H |
| KQ2H11-03AS | CONNECTOR | 10 | EA | 0207-GC82 |
| KQ2H11-04AS | CONNECTOR | 10 | EA | 0887-32G4 |
| KQ2H11-34AS | CONNECTOR | 10 | EA | 0207-GC7H |

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| KQ2H11-35AS | CONNECTOR | 10 | EA | 0887-346R |
| KQ2H11-36AS | CONNECTOR | 10 | EA | 0887-33RR |
| KQ2H11-37AS | CONNECTOR | 10 | EA | 0207-G6D6 |
| KQ2H11-U02A | CONNECTOR | 10 | EA | 0207-G6D7 |
| KQ2H11-U03A | CONNECTOR | 10 | EA | 0207-G45T |
| KQ2H11-U04A | CONNECTOR | 10 | EA | 0207-G45V |
| KQ2H12-02AS | CONNECTOR | 10 | EA | 0207-GCN9 |
| KQ2H12-03AS | CONNECTOR | 10 | EA | 0207-GHFK |
| KQ2H12-04AS | CONNECTOR | 10 | EA | 0887-2901 |
| KQ2H12-G03  | CONNECTOR | 10 | EA | 0887-346T |
| KQ2H12-U02A | CONNECTOR | 10 | EA | 0887-337W |
| KQ2H12-U02N | CONNECTOR | 10 | EA | 0207-G45X |
| KQ2H12-U03A | CONNECTOR | 10 | EA | 0207-GD06 |
| KQ2H12-U04A | CONNECTOR | 10 | EA | 0207-G9XK |
| KQ2H13-02AS | CONNECTOR | 10 | EA | 0207-G111 |
| KQ2H13-03AS | CONNECTOR | 10 | EA | 0207-GFHR |
| KQ2H13-04AS | CONNECTOR | 10 | EA | 0207-G4YJ |
| KQ2H13-35AS | CONNECTOR | 10 | EA | 0207-GGTY |
| KQ2H13-36AS | CONNECTOR | 10 | EA | 0207-GGV4 |
| KQ2H13-37AS | CONNECTOR | 10 | EA | 0207-GHFL |
| KQ2H13-U02A | CONNECTOR | 10 | EA | 0887-32XX |
| KQ2H13-U03A | CONNECTOR | 10 | EA | 0207-G9CT |
| KQ2H13-U04A | CONNECTOR | 10 | EA | 0207-GA10 |
| KQ2H16-03AS | CONNECTOR | 10 | EA | 0887-3396 |
| KQ2H16-04AS | CONNECTOR | 10 | EA | 0207-GDN6 |
| KQ2H16-U03A | CONNECTOR | 10 | EA | 0207-GDN7 |
| KQ2H16-U04A | CONNECTOR | 10 | EA | 0207-GK1X |
| KQ2H23-01AS | CONNECTOR | 10 | EA | 0207-G6T7 |
| KQ2H23-02AS | CONNECTOR | 10 | EA | 0207-G9V8 |
| KQ2H23-M5A  | CONNECTOR | 10 | EA | 0207-GJGK |

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| KQ2H23-M5N  | CONNECTOR | 10 | EA | 0887-32YV |
| KQ2S01-32A  | CONNECTOR | 10 | EA | 0207-GC7J |
| KQ2S03-32A  | CONNECTOR | 10 | EA | 0887-33RT |
| KQ2S03-32N  | CONNECTOR | 10 | EA | 0207-GF4J |
| KQ2S03-33NS | CONNECTOR | 10 | EA | 0207-G4YW |
| KQ2S03-34AS | CONNECTOR | 10 | EA | 0207-G5NL |
| KQ2S03-34NS | CONNECTOR | 10 | EA | 0887-32XY |
| KQ2S04-01AS | CONNECTOR | 10 | EA | 0207-G9CV |
| KQ2S04-M5A  | CONNECTOR | 10 | EA | 0207-GJT9 |
| KQ2S04-M6A  | CONNECTOR | 10 | EA | 0207-G8C0 |
| KQ2S06-01AS | CONNECTOR | 10 | EA | 0207-G8L0 |
| KQ2S06-02A  | CONNECTOR | 10 | EA | 0887-337K |
| KQ2S06-02AS | CONNECTOR | 10 | EA | 0207-GCT1 |
| KQ2S06-M5A  | CONNECTOR | 10 | EA | 0207-GCT2 |
| KQ2S06-M6A  | CONNECTOR | 10 | EA | 0207-GF13 |
| KQ2S07-32A  | CONNECTOR | 10 | EA | 0207-G6T9 |
| KQ2S07-34AS | CONNECTOR | 10 | EA | 0207-GA94 |
| KQ2S07-34NS | CONNECTOR | 10 | EA | 0207-G8FH |
| KQ2S07-35AS | CONNECTOR | 10 | EA | 0207-G7V0 |
| KQ2S07-36AS | CONNECTOR | 10 | EA | 0207-G9V9 |
| KQ2S08-01AS | CONNECTOR | 10 | EA | 0207-G9VA |
| KQ2S08-02AS | CONNECTOR | 10 | EA | 0887-3361 |
| KQ2S08-03AS | CONNECTOR | 10 | EA | 0207-GF4K |
| KQ2S09-34AS | CONNECTOR | 10 | EA | 0207-G9LT |
| KQ2S09-35AS | CONNECTOR | 10 | EA | 0207-GC7G |
| KQ2S09-36AS | CONNECTOR | 10 | EA | 0887-33WY |
| KQ2S10-02AS | CONNECTOR | 10 | EA | 0887-33L2 |
| KQ2S10-03AS | CONNECTOR | 10 | EA | 0207-G68N |
| KQ2S10-04AS | CONNECTOR | 10 | EA | 0207-GFHT |
| KQ2S10-U04A | CONNECTOR | 10 | EA | 0207-D455 |

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| KQ2S11-34AS  | CONNECTOR | 10 | EA | 0207-GFH5 |
| KQ2S11-35AS  | CONNECTOR | 10 | EA | 0207-G8TW |
| KQ2S11-36AS  | CONNECTOR | 10 | EA | 0207-GJY6 |
| KQ2S11-37AS  | CONNECTOR | 10 | EA | 0207-G95A |
| KQ2S12-02AS  | CONNECTOR | 10 | EA | 0207-G5PT |
| KQ2S12-03AS  | CONNECTOR | 10 | EA | 0207-GD43 |
| KQ2S12-04AS  | CONNECTOR | 10 | EA | 0207-GGV5 |
| KQ2S12-U02A  | CONNECTOR | 10 | EA | 0207-GD44 |
| KQ2S13-35AS  | CONNECTOR | 10 | EA | 0207-GGCY |
| KQ2S13-36AS  | CONNECTOR | 10 | EA | 0887-32Y0 |
| KQ2S13-37AS  | CONNECTOR | 10 | EA | 0207-GA11 |
| KQ2S16-03AS  | CONNECTOR | 10 | EA | 0207-GJTA |
| KQ2S16-04AS  | CONNECTOR | 10 | EA | 0207-G715 |
| KQB2E16-G04  | CONNECTOR | 1  | EA | 0207-G9K4 |
| KQB2F12-G03  | CONNECTOR | 1  | EA | 0887-33H3 |
| KQB2F12-G04  | CONNECTOR | 1  | EA | 0207-GCT3 |
| KQB2H01-N01S | CONNECTOR | 1  | EA | 0207-GF14 |
| KQB2H01-N02S | CONNECTOR | 1  | EA | 0207-G9VF |
| KQB2H03-N01S | CONNECTOR | 1  | EA | 0207-G9VG |
| KQB2H03-N02S | CONNECTOR | 1  | EA | 0207-G95J |
| KQB2H04-G01  | CONNECTOR | 1  | EA | 0887-32G5 |
| KQB2H04-G02  | CONNECTOR | 1  | EA | 0207-G8FJ |
| KQB2H04-M5   | CONNECTOR | 1  | EA | 0207-GFHX |
| KQB2H06-01S  | CONNECTOR | 1  | EA | 0207-GC7F |
| KQB2H06-02S  | CONNECTOR | 1  | EA | 0887-33X0 |
| KQB2H06-03S  | CONNECTOR | 1  | EA | 0887-33X1 |
| KQB2H06-G01  | CONNECTOR | 1  | EA | 0207-G4YH |
| KQB2H06-G02  | CONNECTOR | 1  | EA | 0207-G53T |
| KQB2H06-G03  | CONNECTOR | 1  | EA | 0207-G95F |
| KQB2H06-M5   | CONNECTOR | 1  | EA | 0207-GFHY |

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| KQB2H07-N01S | CONNECTOR | 1 | EA | 0207-GGV6 |
| KQB2H07-N02S | CONNECTOR | 1 | EA | 0207-GFJ0 |
| KQB2H07-N03S | CONNECTOR | 1 | EA | 0207-GHFM |
| KQB2H08-01S  | CONNECTOR | 1 | EA | 0887-335R |
| KQB2H08-G01  | CONNECTOR | 1 | EA | 0207-GA12 |
| KQB2H08-G02  | CONNECTOR | 1 | EA | 0207-G9CW |
| KQB2H08-G03  | CONNECTOR | 1 | EA | 0207-G9K5 |
| KQB2H09-N01S | CONNECTOR | 1 | EA | 0207-G9RR |
| KQB2H09-N02S | CONNECTOR | 1 | EA | 0887-332F |
| KQB2H09-N03S | CONNECTOR | 1 | EA | 0207-GF15 |
| KQB2H10-02S  | CONNECTOR | 1 | EA | 0207-GJWJ |
| KQB2H10-03S  | CONNECTOR | 1 | EA | 0207-G9VH |
| KQB2H10-G01  | CONNECTOR | 1 | EA | 0207-G9VJ |
| KQB2H10-G02  | CONNECTOR | 1 | EA | 0207-G9VK |
| KQB2H10-G03  | CONNECTOR | 1 | EA | 0207-GD7M |
| KQB2H10-G04  | CONNECTOR | 1 | EA | 0887-333T |
| KQB2H11-N01S | CONNECTOR | 1 | EA | 0207-GC78 |
| KQB2H11-N02S | CONNECTOR | 1 | EA | 0207-GC7A |
| KQB2H11-N03S | CONNECTOR | 1 | EA | 0207-GC79 |
| KQB2H11-N04S | CONNECTOR | 1 | EA | 0887-33HW |
| KQB2H12-02S  | CONNECTOR | 1 | EA | 0207-G6XR |
| KQB2H12-03S  | CONNECTOR | 1 | EA | 0207-G8TX |
| KQB2H12-04S  | CONNECTOR | 1 | EA | 0207-G95G |
| KQB2H12-16   | CONNECTOR | 1 | EA | 0207-G078 |
| KQB2H12-G02  | CONNECTOR | 1 | EA | 0207-GCNA |
| KQB2H12-G03  | CONNECTOR | 1 | EA | 0207-GCNF |
| KQB2H12-G04  | CONNECTOR | 1 | EA | 0207-GH1L |
| KQB2H13-N02S | CONNECTOR | 1 | EA | 0887-32N0 |
| KQB2H13-N03S | CONNECTOR | 1 | EA | 0207-G5HV |
| KQB2H13-N04S | CONNECTOR | 1 | EA | 0207-G9RT |

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| KQB2H16-04S    | CONNECTOR | 1  | EA | 0207-G9RV |
| KQB2H16-G03    | CONNECTOR | 1  | EA | 0887-3464 |
| KQB2H16-G04    | CONNECTOR | 1  | EA | 0207-GF16 |
| KQB2S06-G01    | CONNECTOR | 1  | EA | 0207-G9VL |
| KQB2S06-G02    | CONNECTOR | 1  | EA | 0207-GKDH |
| KQB2S08-02S    | CONNECTOR | 1  | EA | 0207-G9VM |
| KQB2S08-G02    | CONNECTOR | 1  | EA | 0207-G9VN |
| KQB2S08-G03    | CONNECTOR | 1  | EA | 0887-3362 |
| KQB2S16-G04    | CONNECTOR | 1  | EA | 0207-GC7K |
| KRE12-G04-X269 | CONNECTOR | 1  | EA | 0207-GC7L |
| KRE16-G04-X269 | CONNECTOR | 1  | EA | 0207-GC7M |
| KRH06-01S      | CONNECTOR | 10 | EA | 0207-G32N |
| KRH06-02S      | CONNECTOR | 10 | EA | 0207-G246 |
| KRH06-03S      | CONNECTOR | 10 | EA | 0207-G245 |
| KRH06-G01      | CONNECTOR | 10 | EA | 0207-GGCX |
| KRH06-G02      | CONNECTOR | 10 | EA | 0207-GGAW |
| KRH06-U01-X269 | CONNECTOR | 10 | EA | 0207-GGYY |
| KRH06-U02-X269 | CONNECTOR | 10 | EA | 0887-33F0 |
| KRH06-U03-X269 | CONNECTOR | 10 | EA | 0207-GG4P |
| KRH07-34S      | CONNECTOR | 10 | EA | 0207-GAXN |
| KRH07-36S      | CONNECTOR | 10 | EA | 0207-G959 |
| KRH08-01S      | CONNECTOR | 10 | EA | 0207-GD1R |
| KRH08-02S      | CONNECTOR | 10 | EA | 0887-33F1 |
| KRH08-03S      | CONNECTOR | 10 | EA | 0207-GGRK |
| KRH08-G01      | CONNECTOR | 10 | EA | 0207-GGRL |
| KRH08-G02      | CONNECTOR | 10 | EA | 0207-GGRJ |
| KRH08-G03      | CONNECTOR | 10 | EA | 0207-GGFM |
| KRH08-U01-X269 | CONNECTOR | 10 | EA | 0294-A5C0 |
| KRH08-U02-X269 | CONNECTOR | 10 | EA | 0294-A5C1 |
| KRH08-U03-X269 | CONNECTOR | 10 | EA | 0294-A5C2 |

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| KRH09-35S      | CONNECTOR | 5  | EA | 0294-A5C3 |
| KRH10-01S      | CONNECTOR | 5  | EA | 0294-A398 |
| KRH10-02S      | CONNECTOR | 5  | EA | 0294-A5C4 |
| KRH10-03S      | CONNECTOR | 5  | EA | 0294-A5C5 |
| KRH10-04S      | CONNECTOR | 5  | EA | 0294-A5C6 |
| KRH10-12-X269  | CONNECTOR | 1  | EA | 0294-A5C7 |
| KRH10-G01      | CONNECTOR | 5  | EA | 0294-A5C8 |
| KRH10-G02      | CONNECTOR | 5  | EA | 0294-A399 |
| KRH10-G03      | CONNECTOR | 10 | EA | 0294-A5C9 |
| KRH10-G04      | CONNECTOR | 5  | EA | 0294-A5CA |
| KRH10-U01-X269 | CONNECTOR | 1  | EA | 0294-A5CG |
| KRH10-U02-X269 | CONNECTOR | 1  | EA | 0294-A1GJ |
| KRH10-U03-X269 | CONNECTOR | 1  | EA | 0294-A6M7 |
| KRH10-U04-X269 | CONNECTOR | 1  | EA | 0294-A658 |
| KRH11-35S      | CONNECTOR | 10 | EA | 0294-A1X9 |
| KRH11-36S      | CONNECTOR | 10 | EA | 0294-A0PN |
| KRH11-37S      | CONNECTOR | 10 | EA | 0294-A481 |
| KRH12-02S      | CONNECTOR | 5  | EA | 0294-A179 |
| KRH12-03S      | CONNECTOR | 5  | EA | 0294-A464 |
| KRH12-04S      | CONNECTOR | 5  | EA | 0294-A5GG |
| KRH12-G02      | CONNECTOR | 5  | EA | 0294-A656 |
| KRH12-G03      | CONNECTOR | 5  | EA | 0294-A657 |
| KRH12-G04      | CONNECTOR | 5  | EA | 0294-9154 |
| KRH12-U02-X269 | CONNECTOR | 1  | EA | 0294-A14N |
| KRH12-U03-X269 | CONNECTOR | 1  | EA | 0294-A35M |
| KRH12-U04-X269 | CONNECTOR | 1  | EA | 0294-A403 |
| KRH13-35S      | CONNECTOR | 10 | EA | 0294-A1W9 |
| KRH13-36S      | CONNECTOR | 10 | EA | 0294-A35L |
| KRH13-37S      | CONNECTOR | 10 | EA | 0294-A53W |
| KRH16-03S      | CONNECTOR | 5  | EA | 0294-A174 |

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| KRH16-04S      | CONNECTOR | 5  | EA | 0294-A2G3 |
| KRH16-G03-X269 | CONNECTOR | 1  | EA | 0294-A5XK |
| KRH16-G04-X269 | CONNECTOR | 1  | EA | 0294-A5XM |
| KSH03-32       | CONNECTOR | 2  | EA | 0294-A3MR |
| KSH03-34S      | CONNECTOR | 2  | EA | 0294-A3D2 |
| KSH06-U01      | CONNECTOR | 2  | EA | 0294-A4CJ |
| KSH07-34S      | CONNECTOR | 2  | EA | 0294-A2DY |
| KSH07-35S      | CONNECTOR | 2  | EA | 0294-A345 |
| KSH08-02S      | CONNECTOR | 2  | EA | 0294-A2GP |
| KK130P-02F     | COUPLER   | 5  | EA | 0294-A3AH |
| KK130P-03F     | COUPLER   | 5  | EA | 0294-A4TM |
| KK130P-04F     | COUPLER   | 5  | EA | 0294-A5R6 |
| KK130S-02F     | COUPLER   | 5  | EA | 0294-A44T |
| KK130S-02MS    | COUPLER   | 5  | EA | 0294-A344 |
| KK130S-03F     | COUPLER   | 5  | EA | 0294-A67P |
| KK130S-04F     | COUPLER   | 5  | EA | 0294-A3A2 |
| KK3P-01F       | COUPLER   | 5  | EA | 0294-A5Y4 |
| KK3P-04H       | COUPLER   | 5  | EA | 0294-A6M8 |
| KK3S-01MS      | COUPLER   | 5  | EA | 0294-A6AM |
| KK4P-N02MS     | COUPLER   | 5  | EA | 0294-A1XH |
| KK4S-02MS      | COUPLER   | 5  | EA | 0294-A659 |
| KK4S-08H       | COUPLER   | 5  | EA | 0294-A18J |
| KK4S-N02MS     | COUPLER   | 1  | EA | 0294-A396 |
| KK6P-04F       | COUPLER   | 5  | EA | 0294-A4J3 |
| KK6S-04F       | COUPLER   | 5  | EA | 0294-A3D1 |
| KR-06C         | COVER     | 10 | EA | 0294-A33M |
| KR-07C         | COVER     | 10 | EA | 0294-A1J0 |
| KR-08C         | COVER     | 10 | EA | 0294-A51J |
| KR-08C1        | COVER     | 10 | EA | 0294-A2N7 |
| KR-10C         | COVER     | 10 | EA | 0294-A733 |

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| KR-12C      | COVER   | 10 | EA | 0294-A2WY |
| KR-16C-X232 | COVER   | 1  | EA | 0294-A4CW |
| KQ2TW04-00A | CROSS   | 10 | EA | 0294-A3AN |
| KQ2TW07-00A | CROSS   | 10 | EA | 0294-A44V |
| KQ2TW09-00A | CROSS   | 10 | EA | 0294-A44W |
| KQ2TW11-00A | CROSS   | 5  | EA | 0294-A21Y |
| KQ2TW12-00A | CROSS   | 1  | EA | 0294-A3FN |
| KQ2TW13-00A | CROSS   | 5  | EA | 0294-A3D4 |
| KK130P-02F  | COUPLER | 5  | EA | 0294-A3AH |
| KK130P-03F  | COUPLER | 5  | EA | 0294-A4TM |
| KK130P-04F  | COUPLER | 5  | EA | 0294-A5R6 |
| KK130S-02F  | COUPLER | 5  | EA | 0294-A44T |
| KK130S-02MS | COUPLER | 5  | EA | 0294-A344 |
| KK130S-03F  | COUPLER | 5  | EA | 0294-A67P |
| KK130S-04F  | COUPLER | 5  | EA | 0294-A3A2 |
| KK3P-01F    | COUPLER | 5  | EA | 0294-A5Y4 |
| KK3P-04H    | COUPLER | 5  | EA | 0294-A6M8 |
| KK3S-01MS   | COUPLER | 5  | EA | 0294-A6AM |
| KK4P-N02MS  | COUPLER | 5  | EA | 0294-A1XH |
| KK4S-02MS   | COUPLER | 5  | EA | 0294-A659 |
| KK4S-08H    | COUPLER | 5  | EA | 0294-A18J |
| KK4S-N02MS  | COUPLER | 1  | EA | 0294-A396 |
| KK6P-04F    | COUPLER | 5  | EA | 0294-A4J3 |
| KK6S-04F    | COUPLER | 5  | EA | 0294-A3D1 |
| KR-06C      | COVER   | 10 | EA | 0294-A33M |
| KR-07C      | COVER   | 10 | EA | 0294-A1J0 |
| KR-08C      | COVER   | 10 | EA | 0294-A51J |
| KR-08C1     | COVER   | 10 | EA | 0294-A2N7 |
| KR-10C      | COVER   | 10 | EA | 0294-A733 |
| KR-12C      | COVER   | 10 | EA | 0294-A2WY |

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|-----------------|-------|----|----|-----------|
| KR-16C-X232     | COVER | 1  | EA | 0294-A4CW |
| KQ2TW04-00A     | CROSS | 10 | EA | 0294-A3AN |
| KQ2TW07-00A     | CROSS | 10 | EA | 0294-A44V |
| KQ2TW09-00A     | CROSS | 10 | EA | 0294-A44W |
| KQ2TW11-00A     | CROSS | 5  | EA | 0294-A21Y |
| KQ2TW12-00A     | CROSS | 1  | EA | 0294-A3FN |
| KQ2TW13-00A     | CROSS | 5  | EA | 0294-A3D4 |
| 1425/SWE12-G1/2 | ELBOW | 1  | EA | 0294-A3A3 |
| 1425/SWE12-G1/4 | ELBOW | 1  | EA | 0294-A3FP |
| 1425/SWE12-G3/8 | ELBOW | 1  | EA | 0294-A3A4 |
| 1425/SWE14-G3/8 | ELBOW | 1  | EA | 0294-A3PX |
| 1425/SWE8-G1/4  | ELBOW | 1  | EA | 0294-A3A5 |
| 1425/SWE8-G1/8  | ELBOW | 1  | EA | 0294-9155 |
| 1425/SWE8-G3/8  | ELBOW | 1  | EA | 0294-A35Y |
| KAL04-U01       | ELBOW | 10 | EA | 0294-A36V |
| KAL04-U02       | ELBOW | 10 | EA | 0294-A1RK |
| KFL06-01        | ELBOW | 10 | EA | 0294-A32J |
| KFL06-03        | ELBOW | 10 | EA | 0294-A544 |
| KFL08N-01       | ELBOW | 10 | EA | 0294-8180 |
| KFL08N-02       | ELBOW | 10 | EA | 0294-A543 |
| KFL08U-02       | ELBOW | 10 | EA | 0294-A3XL |
| KFL12N-03       | ELBOW | 10 | EA | 0294-A2YJ |
| KFL12N-04       | ELBOW | 10 | EA | 0294-A32K |
| KFL12U-03       | ELBOW | 10 | EA | 0294-A2G4 |
| KFL12U-04       | ELBOW | 10 | EA | 0294-A3XJ |
| KGL06-01S       | ELBOW | 2  | EA | 0294-A4V6 |
| KQ2D06-02AS     | ELBOW | 10 | EA | 0294-A5XN |
| KQ2K01-34AS     | ELBOW | 10 | EA | 0294-A3AV |
| KQ2K03-32A      | ELBOW | 10 | EA | 0294-A4V7 |
| KQ2K03-34AS     | ELBOW | 10 | EA | 0294-A3D0 |

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| KQ2K07-32A  | ELBOW | 10 | EA | 0294-A3AW |
| KQ2K07-34AS | ELBOW | 10 | EA | 0294-A3DL |
| KQ2K07-35AS | ELBOW | 10 | EA | 0294-A39K |
| KQ2K07-36AS | ELBOW | 10 | EA | 0294-A39L |
| KQ2K09-34AS | ELBOW | 10 | EA | 0294-A4HT |
| KQ2K09-35AS | ELBOW | 10 | EA | 0294-A6AJ |
| KQ2K09-36AS | ELBOW | 10 | EA | 0294-A3AP |
| KQ2K11-34AS | ELBOW | 10 | EA | 0294-A5R0 |
| KQ2K11-35AS | ELBOW | 10 | EA | 0294-A3A6 |
| KQ2K11-36AS | ELBOW | 10 | EA | 0294-A3GN |
| KQ2K11-37AS | ELBOW | 5  | EA | 0294-A3A7 |
| KQ2L01-00A  | ELBOW | 10 | EA | 0294-A3H0 |
| KQ2L01-03A  | ELBOW | 10 | EA | 0294-A35P |
| KQ2L01-32A  | ELBOW | 10 | EA | 0294-A3TA |
| KQ2L01-33AS | ELBOW | 10 | EA | 0294-A53Y |
| KQ2L01-34AS | ELBOW | 10 | EA | 0294-A540 |
| KQ2L01-34NS | ELBOW | 10 | EA | 0294-A4J1 |
| KQ2L01-35AS | ELBOW | 10 | EA | 0294-A395 |
| KQ2L01-99A  | ELBOW | 10 | EA | 0294-A32L |
| KQ2L01-M5A  | ELBOW | 10 | EA | 0294-A3H7 |
| KQ2L01-U01A | ELBOW | 10 | EA | 0294-A547 |
| KQ2L01-U02A | ELBOW | 10 | EA | 0294-A5XP |
| KQ2L03-00A  | ELBOW | 10 | EA | 0294-A548 |
| KQ2L03-07A  | ELBOW | 10 | EA | 0294-A5PM |
| KQ2L03-32A  | ELBOW | 10 | EA | 0294-A2R3 |
| KQ2L03-32N  | ELBOW | 10 | EA | 0294-A2R1 |
| KQ2L03-33AS | ELBOW | 10 | EA | 0294-A2PG |
| KQ2L03-34AS | ELBOW | 10 | EA | 0294-A39G |
| KQ2L03-34NS | ELBOW | 10 | EA | 0294-A39H |
| KQ2L03-35AS | ELBOW | 10 | EA | 0294-A4HW |

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|-------------|-------|----|----|-----------|
| KQ2L03-99A  | ELBOW | 10 | EA | 0294-A71G |
| KQ2L03-U01A | ELBOW | 10 | EA | 0294-A4LW |
| KQ2L03-U01N | ELBOW | 10 | EA | 0294-A3A8 |
| KQ2L03-U02A | ELBOW | 10 | EA | 0294-A3LA |
| KQ2L04-00A  | ELBOW | 10 | EA | 0294-A3A9 |
| KQ2L04-01A  | ELBOW | 10 | EA | 0294-A3GA |
| KQ2L04-01AS | ELBOW | 10 | EA | 0294-A48L |
| KQ2L04-01NS | ELBOW | 10 | EA | 0294-A1GK |
| KQ2L04-02AS | ELBOW | 10 | EA | 0294-A65K |
| KQ2L04-08A  | ELBOW | 10 | EA | 0294-A1RL |
| KQ2L04-99A  | ELBOW | 10 | EA | 0294-A1VA |
| KQ2L04-M3G  | ELBOW | 10 | EA | 0294-A2YK |
| KQ2L04-M5A  | ELBOW | 10 | EA | 0294-9633 |
| KQ2L04-M5N  | ELBOW | 10 | EA | 0294-A397 |
| KQ2L04-M6A  | ELBOW | 10 | EA | 0294-A26H |
| KQ2L04-U01A | ELBOW | 10 | EA | 0294-A4VA |
| KQ2L04-U01N | ELBOW | 10 | EA | 0294-A43P |
| KQ2L04-U02A | ELBOW | 10 | EA | 0294-A606 |
| KQ2L04-U02N | ELBOW | 10 | EA | 0294-A2R4 |
| KQ2L05-00A  | ELBOW | 10 | EA | 0294-A2R2 |
| KQ2L05-32A  | ELBOW | 10 | EA | 0294-A734 |
| KQ2L05-34AS | ELBOW | 10 | EA | 0294-A39J |
| KQ2L05-35AS | ELBOW | 10 | EA | 0294-A39M |
| KQ2L05-99A  | ELBOW | 10 | EA | 0294-A3AR |
| KQ2L06-00A  | ELBOW | 10 | EA | 0294-A48M |
| KQ2L06-01A  | ELBOW | 10 | EA | 0294-A3FT |
| KQ2L06-01AS | ELBOW | 10 | EA | 0294-A3AA |
| KQ2L06-01NS | ELBOW | 10 | EA | 0294-A3AF |
| KQ2L06-02AS | ELBOW | 10 | EA | 0294-A71F |
| KQ2L06-02NS | ELBOW | 10 | EA | 0294-A1GL |

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|-------------|-------|----|----|-----------|
| KQ2L06-03AS | ELBOW | 10 | EA | 0294-A4J2 |
| KQ2L06-10A  | ELBOW | 10 | EA | 0294-A387 |
| KQ2L06-99A  | ELBOW | 10 | EA | 0294-9963 |
| KQ2L06-G01  | ELBOW | 10 | EA | 0294-9808 |
| KQ2L06-G02A | ELBOW | 10 | EA | 0294-A2H1 |
| KQ2L06-M5A  | ELBOW | 10 | EA | 0294-A5R5 |
| KQ2L06-M5N  | ELBOW | 10 | EA | 0294-A5YT |
| KQ2L06-M6A  | ELBOW | 10 | EA | 0294-A655 |
| KQ2L06-U01A | ELBOW | 10 | EA | 0294-A67N |
| KQ2L06-U01N | ELBOW | 10 | EA | 0294-A5H6 |
| KQ2L06-U02A | ELBOW | 10 | EA | 0294-A4G5 |
| KQ2L06-U02N | ELBOW | 10 | EA | 0294-A639 |
| KQ2L06-U03A | ELBOW | 10 | EA | 0294-A48N |
| KQ2L07-00A  | ELBOW | 10 | EA | 0294-A46T |
| KQ2L07-01AS | ELBOW | 10 | EA | 0294-A3M3 |
| KQ2L07-02AS | ELBOW | 10 | EA | 0294-A5CM |
| KQ2L07-11A  | ELBOW | 10 | EA | 0294-A5H8 |
| KQ2L07-32A  | ELBOW | 10 | EA | 0294-A5CN |
| KQ2L07-32N  | ELBOW | 10 | EA | 0294-A67K |
| KQ2L07-34AS | ELBOW | 10 | EA | 0294-A5CP |
| KQ2L07-34NS | ELBOW | 10 | EA | 0294-A67M |
| KQ2L07-35A  | ELBOW | 10 | EA | 0294-A47A |
| KQ2L07-35AS | ELBOW | 10 | EA | 0294-A5CR |
| KQ2L07-36AS | ELBOW | 10 | EA | 0294-A47F |
| KQ2L07-99A  | ELBOW | 10 | EA | 0294-A47G |
| KQ2L07-M5A  | ELBOW | 10 | EA | 0294-A6YK |
| KQ2L07-U01A | ELBOW | 10 | EA | 0294-A6YJ |
| KQ2L07-U01N | ELBOW | 10 | EA | 0294-A6AW |
| KQ2L07-U02A | ELBOW | 10 | EA | 0294-A5TM |
| KQ2L07-U03A | ELBOW | 10 | EA | 0294-A5TL |

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| KQ2L08-00A  | ELBOW | 10 | EA | 0294-A661 |
| KQ2L08-01AS | ELBOW | 10 | EA | 0548-42V8 |
| KQ2L08-02A  | ELBOW | 10 | EA | 0437-MFG2 |
| KQ2L08-02AS | ELBOW | 10 | EA | 0548-42N7 |
| KQ2L08-03AS | ELBOW | 10 | EA | 0548-439N |
| KQ2L08-10A  | ELBOW | 10 | EA | 0548-42V9 |
| KQ2L08-12A  | ELBOW | 10 | EA | 0548-42VA |
| KQ2L08-99A  | ELBOW | 10 | EA | 0548-4397 |
| KQ2L08-G02  | ELBOW | 10 | EA | 0548-42VF |
| KQ2L08-U01A | ELBOW | 10 | EA | 0548-42VG |
| KQ2L08-U01N | ELBOW | 10 | EA | 0437-MDK8 |
| KQ2L08-U02A | ELBOW | 10 | EA | 0548-42VH |
| KQ2L08-U02N | ELBOW | 10 | EA | 0437-MDDK |
| KQ2L08-U03A | ELBOW | 10 | EA | 0437-MCLW |
| KQ2L09-00A  | ELBOW | 10 | EA | 0548-4395 |
| KQ2L09-01AS | ELBOW | 10 | EA | 0437-MDJ0 |
| KQ2L09-02AS | ELBOW | 10 | EA | 0611-89F5 |
| KQ2L09-34AS | ELBOW | 10 | EA | 0611-88L7 |
| KQ2L09-35AS | ELBOW | 10 | EA | 0611-8A0K |
| KQ2L09-36AS | ELBOW | 10 | EA | 0611-89YL |
| KQ2L09-99A  | ELBOW | 10 | EA | 0611-88LL |
| KQ2L09-U01A | ELBOW | 10 | EA | 0611-882H |
| KQ2L09-U01N | ELBOW | 10 | EA | 0611-88LM |
| KQ2L09-U02A | ELBOW | 10 | EA | 0611-8AHF |
| KQ2L09-U03A | ELBOW | 10 | EA | 0611-8A23 |
| KQ2L10-00A  | ELBOW | 10 | EA | 0611-88KV |
| KQ2L10-01AS | ELBOW | 10 | EA | 0611-8AW6 |
| KQ2L10-02AS | ELBOW | 10 | EA | 0611-88KW |
| KQ2L10-03AS | ELBOW | 10 | EA | 0611-8AR8 |
| KQ2L10-04AS | ELBOW | 10 | EA | 0651-37NN |

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| KQ2L10-99A  | ELBOW | 10 | EA | 0651-37JV |
| KQ2L10-G01A | ELBOW | 10 | EA | 0651-37KV |
| KQ2L10-U01A | ELBOW | 10 | EA | 0651-1942 |
| KQ2L10-U02A | ELBOW | 10 | EA | 0651-36LF |
| KQ2L10-U02N | ELBOW | 10 | EA | 0651-36V1 |
| KQ2L10-U03A | ELBOW | 10 | EA | 0651-37R6 |
| KQ2L10-U03N | ELBOW | 10 | EA | 0651-1943 |
| KQ2L10-U04A | ELBOW | 10 | EA | 0651-371K |
| KQ2L11-00A  | ELBOW | 10 | EA | 0651-35XP |
| KQ2L11-03AS | ELBOW | 10 | EA | 0651-36LG |
| KQ2L11-13A  | ELBOW | 10 | EA | 0651-353K |
| KQ2L11-34AS | ELBOW | 10 | EA | 0651-38PT |
| KQ2L11-35AS | ELBOW | 10 | EA | 0651-378F |
| KQ2L11-36AS | ELBOW | 10 | EA | 0651-3376 |
| KQ2L11-37AS | ELBOW | 10 | EA | 0651-36LH |
| KQ2L11-99A  | ELBOW | 10 | EA | 0651-36LJ |
| KQ2L11-U02A | ELBOW | 10 | EA | 0651-37KR |
| KQ2L11-U03A | ELBOW | 10 | EA | 0651-373J |
| KQ2L11-U04A | ELBOW | 10 | EA | 0651-353P |
| KQ2L12-00A  | ELBOW | 10 | EA | 0651-37LL |
| KQ2L12-02AS | ELBOW | 10 | EA | 0651-3488 |
| KQ2L12-02NS | ELBOW | 10 | EA | 0651-37LP |
| KQ2L12-03AS | ELBOW | 10 | EA | 0651-38M6 |
| KQ2L12-04AS | ELBOW | 10 | EA | 0207-GC00 |
| KQ2L12-99A  | ELBOW | 10 | EA | 0207-G87J |
| KQ2L12-U02A | ELBOW | 10 | EA | 0207-G7RN |
| KQ2L12-U02N | ELBOW | 10 | EA | 0207-GADT |
| KQ2L12-U03A | ELBOW | 10 | EA | 0207-GF49 |
| KQ2L12-U04A | ELBOW | 10 | EA | 0207-GADV |
| KQ2L12-U04N | ELBOW | 10 | EA | 0207-GA16 |

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| KQ2L13-00A  | ELBOW | 10 | EA | 0207-G9D0 |
| KQ2L13-04AS | ELBOW | 10 | EA | 0207-GA15 |
| KQ2L13-35AS | ELBOW | 10 | EA | 0207-GA18 |
| KQ2L13-36AS | ELBOW | 10 | EA | 0207-GGCG |
| KQ2L13-37AS | ELBOW | 10 | EA | 0207-GA19 |
| KQ2L13-99A  | ELBOW | 10 | EA | 0207-GFLY |
| KQ2L13-U02A | ELBOW | 10 | EA | 0207-GA17 |
| KQ2L13-U03A | ELBOW | 10 | EA | 0207-GF4F |
| KQ2L13-U04A | ELBOW | 10 | EA | 0207-GF4A |
| KQ2L16-00A  | ELBOW | 1  | EA | 0207-GFH2 |
| KQ2L16-03AS | ELBOW | 10 | EA | 0207-GF47 |
| KQ2L16-04AS | ELBOW | 10 | EA | 0207-GFH3 |
| KQ2L16-G04  | ELBOW | 10 | EA | 0207-GA1A |
| KQ2L16-U03A | ELBOW | 5  | EA | 0207-GA1F |
| KQ2L16-U04A | ELBOW | 5  | EA | 0207-GA1G |
| KQ2L23-00A  | ELBOW | 10 | EA | 0207-GFXT |
| KQ2LE03-00A | ELBOW | 10 | EA | 0207-GFXV |
| KQ2LE06-00A | ELBOW | 5  | EA | 0207-GFXW |
| KQ2LE07-00A | ELBOW | 10 | EA | 0207-GA1J |
| KQ2LE08-00A | ELBOW | 5  | EA | 0207-GA1K |
| KQ2LE09-00A | ELBOW | 10 | EA | 0207-GA1L |
| KQ2LE10-00A | ELBOW | 1  | EA | 0207-GHXM |
| KQ2LE11-00A | ELBOW | 5  | EA | 0207-GFY0 |
| KQ2LE13-00A | ELBOW | 5  | EA | 0207-GDY6 |
| KQ2LF03-34A | ELBOW | 10 | EA | 0207-GF46 |
| KQ2LF03-35A | ELBOW | 10 | EA | 0207-G9YW |
| KQ2LF10-02A | ELBOW | 10 | EA | 0207-GA1M |
| KQ2LF10-03A | ELBOW | 10 | EA | 0207-GHM6 |
| KQ2LF12-02A | ELBOW | 10 | EA | 0207-GA1P |
| KQ2LF12-03A | ELBOW | 10 | EA | 0207-GH16 |

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| KQ2LF12-04A       | ELBOW | 10 | EA | 0207-GFY1 |
| KQ2LU04-00A       | ELBOW | 10 | EA | 0207-GFY2 |
| KQ2V04-M5A        | ELBOW | 10 | EA | 0207-GFY3 |
| KQ2V06-02AS       | ELBOW | 10 | EA | 0207-GK1W |
| KQ2V06-U01A       | ELBOW | 10 | EA | 0207-GHP9 |
| KQ2V07-34AS       | ELBOW | 10 | EA | 0840-55MH |
| KQ2V08-02AS       | ELBOW | 10 | EA | 0840-563A |
| KQ2V08-03AS       | ELBOW | 10 | EA | 0840-56KK |
| KQ2V08-U01A       | ELBOW | 10 | EA | 0840-5178 |
| KQ2V08-U02A       | ELBOW | 10 | EA | 0840-57VT |
| KQ2V08-U03A       | ELBOW | 10 | EA | 0840-57VV |
| KQ2V10-02AS       | ELBOW | 10 | EA | 0840-56L6 |
| KQ2V10-03AS       | ELBOW | 10 | EA | 0840-5651 |
| KQ2V10-U03A       | ELBOW | 10 | EA | 0840-566P |
| KQ2V12-03AS       | ELBOW | 10 | EA | 0840-57C2 |
| KQ2V12-04AS       | ELBOW | 10 | EA | 0840-5637 |
| KQ2VD03-32A       | ELBOW | 5  | EA | 0840-56XK |
| KQ2VD03-34AS      | ELBOW | 5  | EA | 0840-5710 |
| KQ2VD04-01AS      | ELBOW | 10 | EA | 0840-579P |
| KQ2VD06-01AS      | ELBOW | 10 | EA | 0840-56JL |
| KQ2VD06-03AS      | ELBOW | 10 | EA | 0840-57DP |
| KQ2VD07-34AS      | ELBOW | 5  | EA | 0840-57DR |
| KQ2VD07-35AS      | ELBOW | 5  | EA | 0840-5638 |
| KQ2VD08-03AS      | ELBOW | 10 | EA | 0840-5717 |
| KQ2VD09-35AS      | ELBOW | 5  | EA | 0840-5718 |
| KQ2VD09-36AS      | ELBOW | 5  | EA | 0840-57LY |
| KQ2VD11-35AS      | ELBOW | 5  | EA | 0840-56NM |
| KQ2VD11-36AS      | ELBOW | 5  | EA | 0840-56Y5 |
| KQ2VD12-04AS      | ELBOW | 5  | EA | 0840-57VW |
| KQ2VD12-RC04-X726 | ELBOW | 1  | EA | 0840-574T |

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| KQ2VD13-36AS | ELBOW | 5  | EA | 0840-56KJ |
| KQ2VD13-37AS | ELBOW | 5  | EA | 0840-5467 |
| KQ2VF03-34AS | ELBOW | 10 | EA | 0840-56Y8 |
| KQ2VF06-02AS | ELBOW | 10 | EA | 0840-566R |
| KQ2VF07-35AS | ELBOW | 10 | EA | 0840-579G |
| KQ2VF08-02AS | ELBOW | 10 | EA | 0840-570Y |
| KQ2VF10-02AS | ELBOW | 10 | EA | 0840-571A |
| KQ2VS03-32A  | ELBOW | 10 | EA | 0840-571F |
| KQ2VS03-34AS | ELBOW | 10 | EA | 0840-571G |
| KQ2VS06-02AS | ELBOW | 10 | EA | 0840-57MW |
| KQ2VS07-32A  | ELBOW | 10 | EA | 0840-5613 |
| KQ2VS07-34AS | ELBOW | 10 | EA | 0840-57VX |
| KQ2VS07-35AS | ELBOW | 10 | EA | 0840-5732 |
| KQ2VS08-02AS | ELBOW | 10 | EA | 0840-572K |
| KQ2VS09-34AS | ELBOW | 10 | EA | 0840-572L |
| KQ2VS09-35AS | ELBOW | 10 | EA | 0840-567J |
| KQ2VS09-36AS | ELBOW | 10 | EA | 0840-56PK |
| KQ2VS10-02AS | ELBOW | 10 | EA | 0840-56PL |
| KQ2VS10-03AS | ELBOW | 10 | EA | 0840-571H |
| KQ2VS11-35AS | ELBOW | 10 | EA | 0840-571J |
| KQ2VS11-36AS | ELBOW | 10 | EA | 0840-57H7 |
| KQ2VS12-04AS | ELBOW | 5  | EA | 0840-56Y6 |
| KQ2VS13-36AS | ELBOW | 5  | EA | 0840-57GA |
| KQ2VS13-37AS | ELBOW | 5  | EA | 0840-5531 |
| KQ2VT06-01AS | ELBOW | 5  | EA | 0840-55MF |
| KQ2VT10-03AS | ELBOW | 5  | EA | 0840-566T |
| KQ2VT13-37AS | ELBOW | 5  | EA | 0840-57C3 |
| KQ2W01-34AS  | ELBOW | 10 | EA | 0840-57RN |
| KQ2W01-35AS  | ELBOW | 10 | EA | 0840-5639 |
| KQ2W03-34AS  | ELBOW | 10 | EA | 0840-56PM |

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| KQ2W03-35AS | ELBOW | 10 | EA | 0840-5857 |
| KQ2W03-U02A | ELBOW | 10 | EA | 0840-571K |
| KQ2W04-01AS | ELBOW | 10 | EA | 0840-571L |
| KQ2W04-02AS | ELBOW | 10 | EA | 0840-5711 |
| KQ2W04-99A  | ELBOW | 10 | EA | 0840-579H |
| KQ2W05-35AS | ELBOW | 10 | EA | 0840-56Y7 |
| KQ2W06-01AS | ELBOW | 10 | EA | 0840-557L |
| KQ2W06-02AS | ELBOW | 10 | EA | 0840-566V |
| KQ2W06-03AS | ELBOW | 10 | EA | 0840-56Y9 |
| KQ2W06-99A  | ELBOW | 10 | EA | 0840-56YL |
| KQ2W07-34AS | ELBOW | 10 | EA | 0840-57CL |
| KQ2W07-35AS | ELBOW | 10 | EA | 0968-03A6 |
| KQ2W07-36AS | ELBOW | 10 | EA | 0968-03D3 |
| KQ2W08-99A  | ELBOW | 10 | EA | 0968-03D4 |
| KQ2W09-34AS | ELBOW | 10 | EA | 0968-03AX |
| KQ2W09-35AS | ELBOW | 10 | EA | 0968-03F9 |
| KQ2W09-36AS | ELBOW | 10 | EA | 0968-03D5 |
| KQ2W10-03AS | ELBOW | 10 | EA | 0922-039R |
| KQ2W10-99A  | ELBOW | 10 | EA | 0922-032Y |
| KQ2W11-35AS | ELBOW | 10 | EA | 0922-0378 |
| KQ2W11-36AS | ELBOW | 10 | EA | 0922-0317 |
| KQ2W11-37AS | ELBOW | 10 | EA | 0922-035G |
| KQ2W12-99A  | ELBOW | 10 | EA | 0922-0335 |
| KQ2W13-35AS | ELBOW | 10 | EA | 0922-0338 |
| KQ2W13-37AS | ELBOW | 10 | EA | 0922-035A |
| KQ2Z03-34AS | ELBOW | 10 | EA | 0922-0350 |
| KQ2Z07-34AS | ELBOW | 10 | EA | 0922-0345 |
| KQ2Z07-35AS | ELBOW | 10 | EA | 0922-0346 |
| KQ2Z09-34AS | ELBOW | 10 | EA | 0922-0353 |
| KQ2Z09-35AS | ELBOW | 10 | EA | 0922-03AH |

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| KQ2Z09-36AS  | ELBOW | 10 | EA | 0922-0377 |
| KQ2Z11-35AS  | ELBOW | 5  | EA | 0922-0351 |
| KQ2Z11-36AS  | ELBOW | 5  | EA | 0922-0347 |
| KQ2Z13-36AS  | ELBOW | 5  | EA | 0922-0349 |
| KQ2Z13-37AS  | ELBOW | 5  | EA | 0922-034A |
| KQ2ZD06-01AS | ELBOW | 10 | EA | 0922-03AR |
| KQ2ZD07-35AS | ELBOW | 5  | EA | 0922-038F |
| KQ2ZD08-04AS | ELBOW | 5  | EA | 0922-0356 |
| KQ2ZD12-04AS | ELBOW | 5  | EA | 0922-0340 |
| KQ2ZT07-36AS | ELBOW | 5  | EA | 0922-039F |
| KQ2ZT09-37AS | ELBOW | 5  | EA | 0922-035H |
| KQ2ZT10-04AS | ELBOW | 5  | EA | 0922-035F |
| KQ2ZT12-04AS | ELBOW | 5  | EA | 0922-0342 |
| KQB2L01-N01S | ELBOW | 1  | EA | 0922-0331 |
| KQB2L01-N02S | ELBOW | 1  | EA | 0922-033F |
| KQB2L03-N01S | ELBOW | 1  | EA | 0922-0352 |
| KQB2L03-N02S | ELBOW | 1  | EA | 0922-03AP |
| KQB2L04-G01  | ELBOW | 1  | EA | 0922-039G |
| KQB2L04-G02  | ELBOW | 1  | EA | 0922-0357 |
| KQB2L04-M5   | ELBOW | 1  | EA | 0922-0389 |
| KQB2L06-G01  | ELBOW | 1  | EA | 0922-039H |
| KQB2L06-G02  | ELBOW | 1  | EA | 0922-039J |
| KQB2L06-G03  | ELBOW | 1  | EA | 0922-039K |
| KQB2L06-M5   | ELBOW | 1  | EA | 0922-039L |
| KQB2L07-N01S | ELBOW | 1  | EA | 0922-039M |
| KQB2L07-N02S | ELBOW | 1  | EA | 0922-039N |
| KQB2L07-N03S | ELBOW | 1  | EA | 0922-0354 |
| KQB2L08-01S  | ELBOW | 1  | EA | 0922-034F |
| KQB2L08-02S  | ELBOW | 1  | EA | 0922-034G |
| KQB2L08-G01  | ELBOW | 1  | EA | 0922-03DF |

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| KQB2L08-G02  | ELBOW | 1  | EA | 0922-03AJ |
| KQB2L08-G03  | ELBOW | 1  | EA | 0922-0341 |
| KQB2L09-N01S | ELBOW | 1  | EA | 0922-0362 |
| KQB2L09-N02S | ELBOW | 1  | EA | 0922-0334 |
| KQB2L09-N03S | ELBOW | 1  | EA | 0922-0333 |
| KQB2L10-G01  | ELBOW | 1  | EA | 0922-0332 |
| KQB2L10-G02  | ELBOW | 1  | EA | 0922-0355 |
| KQB2L10-G03  | ELBOW | 1  | EA | 0922-036J |
| KQB2L10-G04  | ELBOW | 1  | EA | 0922-03DA |
| KQB2L11-N01S | ELBOW | 1  | EA | 0922-03AK |
| KQB2L11-N02S | ELBOW | 1  | EA | 0922-038A |
| KQB2L11-N03S | ELBOW | 1  | EA | 0922-0337 |
| KQB2L11-N04S | ELBOW | 1  | EA | 0922-0336 |
| KQB2L12-00   | ELBOW | 1  | EA | 0922-039P |
| KQB2L12-02S  | ELBOW | 1  | EA | 0922-037F |
| KQB2L12-03S  | ELBOW | 1  | EA | 0922-03D9 |
| KQB2L12-04S  | ELBOW | 1  | EA | 0922-0379 |
| KQB2L12-G02  | ELBOW | 1  | EA | 0922-03A6 |
| KQB2L12-G03  | ELBOW | 1  | EA | 0294-A549 |
| KQB2L12-G04  | ELBOW | 1  | EA | 0294-A6YP |
| KQB2L13-00   | ELBOW | 1  | EA | 0294-A1HN |
| KQB2L13-N02S | ELBOW | 1  | EA | 0294-A67G |
| KQB2L13-N03S | ELBOW | 1  | EA | 0294-A45N |
| KQB2L13-N04S | ELBOW | 1  | EA | 0294-A5TV |
| KQB2L16-04S  | ELBOW | 1  | EA | 0294-A3AL |
| KQB2L16-G04  | ELBOW | 1  | EA | 0294-A3AM |
| KQB2W16-G04  | ELBOW | 1  | EA | 0294-A3AJ |
| KQG2L11-N03S | ELBOW | 1  | EA | 0294-A6YR |
| KQG2L12-00   | ELBOW | 1  | EA | 0294-A5TK |
| KQL12-U03-X2 | ELBOW | 10 | EA | 0294-A3AK |

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| KRK06-01S      | ELBOW | 10 | EA | 0294-A5TJ |
| KRK06-02S      | ELBOW | 10 | EA | 0294-A6YN |
| KRK06-03S      | ELBOW | 10 | EA | 0294-A5CX |
| KRK08-01S      | ELBOW | 10 | EA | 0294-A3C9 |
| KRK08-02S      | ELBOW | 10 | EA | 0294-A51K |
| KRK08-03S      | ELBOW | 10 | EA | 0294-A6A8 |
| KRK10-01S      | ELBOW | 5  | EA | 0294-A3G0 |
| KRK10-02S      | ELBOW | 5  | EA | 0294-A3CA |
| KRK10-03S      | ELBOW | 5  | EA | 0294-A4KV |
| KRK10-04S      | ELBOW | 5  | EA | 0294-A3FY |
| KRK12-02S      | ELBOW | 5  | EA | 0294-A5CY |
| KRK12-03S      | ELBOW | 5  | EA | 0294-A5D0 |
| KRK12-04S      | ELBOW | 5  | EA | 0294-A4V3 |
| KRL06-00       | ELBOW | 10 | EA | 0294-A4V4 |
| KRL06-01S      | ELBOW | 10 | EA | 0294-A66A |
| KRL06-02S      | ELBOW | 10 | EA | 0294-A5TT |
| KRL06-03S      | ELBOW | 10 | EA | 0294-A4TY |
| KRL06-99W2     | ELBOW | 10 | EA | 0294-A5D1 |
| KRL06-G01      | ELBOW | 10 | EA | 0294-A47H |
| KRL06-G02      | ELBOW | 10 | EA | 0294-A6PL |
| KRL06-G03      | ELBOW | 10 | EA | 0294-A6AA |
| KRL06-U01-X269 | ELBOW | 10 | EA | 0294-A6PM |
| KRL06-U02-X269 | ELBOW | 10 | EA | 0294-A6PN |
| KRL06-U03-X269 | ELBOW | 10 | EA | 0294-A5D2 |
| KRL07-34S      | ELBOW | 10 | EA | 0294-A5D3 |
| KRL07-35S      | ELBOW | 10 | EA | 0294-A6XP |
| KRL07-36S      | ELBOW | 10 | EA | 0294-A5D4 |
| KRL08-00       | ELBOW | 10 | EA | 0294-A5D5 |
| KRL08-01S      | ELBOW | 10 | EA | 0294-A5D6 |
| KRL08-02S      | ELBOW | 10 | EA | 0294-A6XK |

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| KRL08-03S      | ELBOW | 10 | EA | 0294-A5D7 |
| KRL08-99W2     | ELBOW | 10 | EA | 0294-A5D8 |
| KRL08-G01      | ELBOW | 10 | EA | 0294-A413 |
| KRL08-G02      | ELBOW | 10 | EA | 0294-A6XL |
| KRL08-G03      | ELBOW | 10 | EA | 0294-A6XM |
| KRL08-U01-X269 | ELBOW | 10 | EA | 0294-A5D9 |
| KRL08-U02-X269 | ELBOW | 10 | EA | 0294-A5DA |
| KRL08-U03-X269 | ELBOW | 10 | EA | 0294-A6XN |
| KRL10-00       | ELBOW | 5  | EA | 0294-A5DF |
| KRL10-01S      | ELBOW | 5  | EA | 0294-A5DG |
| KRL10-02S      | ELBOW | 5  | EA | 0294-A6A7 |
| KRL10-03S      | ELBOW | 5  | EA | 0294-A3AT |
| KRL10-04S      | ELBOW | 5  | EA | 0294-A3H3 |
| KRL10-99W2     | ELBOW | 5  | EA | 0294-A4CK |
| KRL10-G01      | ELBOW | 5  | EA | 0294-A2HX |
| KRL10-G02      | ELBOW | 5  | EA | 0294-A1R7 |
| KRL10-G03      | ELBOW | 5  | EA | 0294-A178 |
| KRL10-G04      | ELBOW | 5  | EA | 0294-A47J |
| KRL10-U01-X269 | ELBOW | 1  | EA | 0294-A393 |
| KRL10-U02-X269 | ELBOW | 1  | EA | 0294-A392 |
| KRL10-U03-X269 | ELBOW | 1  | EA | 0294-A67R |
| KRL10-U04-X269 | ELBOW | 1  | EA | 0294-A4CL |
| KRL11-35S      | ELBOW | 10 | EA | 0294-A391 |
| KRL11-36S      | ELBOW | 10 | EA | 0294-A390 |
| KRL11-37S      | ELBOW | 10 | EA | 0294-A38X |
| KRL12-00       | ELBOW | 5  | EA | 0294-A67T |
| KRL12-02S      | ELBOW | 5  | EA | 0294-9269 |
| KRL12-03S      | ELBOW | 5  | EA | 0294-9268 |
| KRL12-04S      | ELBOW | 5  | EA | 0294-A0PM |
| KRL12-16-X269  | ELBOW | 10 | EA | 0294-A67V |

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|-------------------|-------|----|----|-----------|
| KRL12-99-X269     | ELBOW | 1  | EA | 0294-A5DH |
| KRL12-G02         | ELBOW | 10 | EA | 0294-A3G7 |
| KRL12-G03         | ELBOW | 5  | EA | 0294-A3G8 |
| KRL12-G04         | ELBOW | 5  | EA | 0294-A38Y |
| KRL12-U02-X269    | ELBOW | 1  | EA | 0294-A59F |
| KRL12-U03-X269    | ELBOW | 1  | EA | 0294-9851 |
| KRL12-U04-X269    | ELBOW | 1  | EA | 0294-9962 |
| KRL13-35S         | ELBOW | 10 | EA | 0294-A4CM |
| KRL13-36S         | ELBOW | 10 | EA | 0294-A67W |
| KRL13-37S         | ELBOW | 10 | EA | 0294-A08L |
| KRL16-00          | ELBOW | 1  | EA | 0294-A4H6 |
| KRL16-03S         | ELBOW | 1  | EA | 0922-03AL |
| KRL16-04S         | ELBOW | 1  | EA | 0922-03AM |
| KRL16-99-X269     | ELBOW | 10 | EA | 0922-03AN |
| KRL16-G03-X269    | ELBOW | 10 | EA | 0922-0358 |
| KRL16-G04-X269    | ELBOW | 10 | EA | 0840-56KL |
| KRW10-99W2        | ELBOW | 5  | EA | 0840-56KM |
| KRW12-16-X269     | ELBOW | 1  | EA | 0840-5828 |
| KRW12-99-X269     | ELBOW | 1  | EA | 0840-563G |
| KRW16-99-X269     | ELBOW | 1  | EA | 0840-57RP |
| KRZD10-G04-X269   | ELBOW | 1  | EA | 0840-56D2 |
| KRZD12-G04-X269   | ELBOW | 1  | EA | 0840-56XL |
| KRZT10-G04-2-X270 | ELBOW | 1  | EA | 0840-57DT |
| KRZT10-G04-X269   | ELBOW | 1  | EA | 0840-57DV |
| KRZT12-G04-2-X270 | ELBOW | 1  | EA | 0840-571N |
| KRZT12-G04-X269   | ELBOW | 1  | EA | 0840-574M |
| KRZT12-G04-X270   | ELBOW | 1  | EA | 0840-574N |
| KSL03-32          | ELBOW | 2  | EA | 0840-5856 |
| KSL03-34S         | ELBOW | 2  | EA | 0840-5532 |
| KSL06-M6          | ELBOW | 2  | EA | 0840-5533 |

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| KSL07-34S     | ELBOW    | 2  | EA | 0840-56D3 |
| KSL07-35S     | ELBOW    | 2  | EA | 0840-5838 |
| KSL08-01S     | ELBOW    | 2  | EA | 0840-571T |
| KSL08-02S     | ELBOW    | 2  | EA | 0840-571V |
| KSL08-03S     | ELBOW    | 2  | EA | 0840-571W |
| KSL08-U02     | ELBOW    | 2  | EA | 0840-57VY |
| KSL09-34S     | ELBOW    | 2  | EA | 0840-572M |
| KSL09-35S     | ELBOW    | 2  | EA | 0840-572N |
| KSL10-02S     | ELBOW    | 2  | EA | 0840-55M8 |
| KSL10-03S     | ELBOW    | 2  | EA | 0840-55M9 |
| KSL10-04S     | ELBOW    | 2  | EA | 0840-57DW |
| KSL10-U02     | ELBOW    | 2  | EA | 0840-57C4 |
| KSL12-04S     | ELBOW    | 2  | EA | 0840-56XM |
| KXL08-02S     | ELBOW    | 2  | EA | 0840-5723 |
| KXL10-U02     | ELBOW    | 2  | EA | 0840-5878 |
| KFS-12        | FERRULE  | 10 | EA | 0840-55MA |
| KRH07-35S     | FITTING  | 10 | EA | 0840-5534 |
| KV-HA34-01    | FITTING  | 1  | EA | 0840-5837 |
| KV-HA35-02    | FITTING  | 1  | EA | 0840-57R8 |
| KQ-G03        | GASKET   | 10 | EA | 0294-A5DJ |
| KQG-U01       | GASKET   | 10 | EA | 0294-A5DK |
| KQG-U02       | GASKET   | 10 | EA | 0294-A5DL |
| KQG-U03       | GASKET   | 10 | EA | 0294-A5DM |
| KQG-U04       | GASKET   | 10 | EA | 0294-A5DN |
| KQ2N04-99     | INSERT   | 10 | EA | 0294-A5DP |
| KQ2N10-99     | INSERT   | 10 | EA | 0294-A5DR |
| KQ2N11-99     | INSERT   | 10 | EA | 0294-A5DT |
| KQ2N12-99     | INSERT   | 10 | EA | 0294-A5DV |
| KQ2N16-99     | INSERT   | 10 | EA | 0294-A5DW |
| KM11-04-08-10 | MANIFOLD | 5  | EA | 0294-A6A6 |



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| KM11-04-08-6  | MANIFOLD | 5  | EA | 0294-A452 |
| KM11-06-10-6  | MANIFOLD | 1  | EA | 0294-A674 |
| KM11-07-11-10 | MANIFOLD | 5  | EA | 0294-A4KP |
| KM11-07-11-6  | MANIFOLD | 5  | EA | 0294-A5DX |
| KM11-08-12-10 | MANIFOLD | 5  | EA | 0294-A51L |
| KM11-09-13-10 | MANIFOLD | 1  | EA | 0294-A6YM |
| KM11-09-13-6  | MANIFOLD | 5  | EA | 0294-A66F |
| KM12-03-35-10 | MANIFOLD | 5  | EA | 0207-GHJK |
| KM12-07-35-10 | MANIFOLD | 5  | EA | 0207-GJVN |
| KM12-07-35-6  | MANIFOLD | 5  | EA | 0207-GHNL |
| KM13-04-06-3  | MANIFOLD | 5  | EA | 0887-3451 |
| KM13-04-08-3  | MANIFOLD | 5  | EA | 0207-GH4W |
| KM13-08-10-3  | MANIFOLD | 5  | EA | 0207-GH4X |
| KRM11-06-10-6 | MANIFOLD | 5  | EA | 0887-344R |
| KRM11-08-12-6 | MANIFOLD | 5  | EA | 0207-GH50 |
| KQ2N03-07     | NIPPLE   | 10 | EA | 0207-GH51 |
| KQ2N06-08     | NIPPLE   | 10 | EA | 0887-3452 |
| KQ2N06-99     | NIPPLE   | 10 | EA | 0207-GH1V |
| KQ2N07-09     | NIPPLE   | 10 | EA | 0207-GH4T |
| KQ2N07-11     | NIPPLE   | 10 | EA | 0207-GGVG |
| KQ2N08-99     | NIPPLE   | 10 | EA | 0887-344N |
| KQ2N09-11     | NIPPLE   | 10 | EA | 0207-GJX3 |
| KQ2N09-13     | NIPPLE   | 10 | EA | 0207-GJWG |
| KQ2N11-13     | NIPPLE   | 10 | EA | 0207-GJL3 |
| KQ2N13-99     | NIPPLE   | 10 | EA | 0887-3465 |
| KFN-12        | NUT      | 10 | EA | 0207-GH59 |
| KQ2P-01       | PLUG     | 10 | EA | 0207-GH1P |
| KQ2P-03       | PLUG     | 10 | EA | 0207-GH5A |
| KQ2P-04       | PLUG     | 10 | EA | 0207-GH1R |
| KQ2P-05       | PLUG     | 10 | EA | 0887-344T |

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| KQ2P-06  | PLUG | 10 | EA | 0207-GH5K |
| KQ2P-07  | PLUG | 10 | EA | 0207-GH5L |
| KQ2P-08  | PLUG | 10 | EA | 0207-GH5M |
| KQ2P-09  | PLUG | 10 | EA | 0887-344P |
| KQ2P-10  | PLUG | 10 | EA | 0207-GJX2 |
| KQ2P-11  | PLUG | 10 | EA | 0207-GH1J |
| KQ2P-12  | PLUG | 10 | EA | 0207-GH1H |
| KQ2P-13  | PLUG | 10 | EA | 0207-GH5F |
| KQ2P-16  | PLUG | 10 | EA | 0887-344V |
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| KQB2P-03 | PLUG | 1  | EA | 0207-GH5P |
| KQB2P-04 | PLUG | 1  | EA | 0207-GH5R |
| KQB2P-06 | PLUG | 1  | EA | 0887-344W |
| KQB2P-07 | PLUG | 1  | EA | 0207-GHP6 |
| KQB2P-08 | PLUG | 1  | EA | 0207-GHP7 |
| KQB2P-09 | PLUG | 1  | EA | 0207-GH5G |
| KQB2P-10 | PLUG | 1  | EA | 0207-GH1G |
| KQB2P-11 | PLUG | 1  | EA | 0207-GH1F |
| KQB2P-12 | PLUG | 1  | EA | 0207-GH5H |
| KQB2P-13 | PLUG | 1  | EA | 0887-344X |
| KRP-06   | PLUG | 10 | EA | 0207-GH5T |
| KRP-07   | PLUG | 10 | EA | 0207-GH5V |
| KRP-08   | PLUG | 10 | EA | 0207-GH5W |
| KRP-10   | PLUG | 10 | EA | 0207-GH5X |
| KRP-11   | PLUG | 10 | EA | 0887-344Y |
| KRP-12   | PLUG | 10 | EA | 0207-GHNM |
| KRP-13   | PLUG | 10 | EA | 0207-GHNN |
| KRP-16   | PLUG | 10 | EA | 0207-GHNP |
| KV-P36   | PLUG | 1  | EA | 0207-GK83 |
| KV-P38   | PLUG | 1  | EA | 0207-GH5J |

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| KQ2R01-03A | REDUCER | 10 | EA | 0207-GH1T |
| KQ2R01-05A | REDUCER | 10 | EA | 0207-GH00 |
| KQ2R03-05A | REDUCER | 10 | EA | 0887-3450 |
| KQ2R03-07A | REDUCER | 10 | EA | 0207-GH5Y |
| KQ2R04-06A | REDUCER | 10 | EA | 0207-GH60 |
| KQ2R04-08A | REDUCER | 10 | EA | 0207-GH61 |
| KQ2R04-10A | REDUCER | 10 | EA | 0207-GK84 |
| KQ2R05-07A | REDUCER | 10 | EA | 0207-GKDL |
| KQ2R05-09A | REDUCER | 10 | EA | 0207-GK6K |
| KQ2R06-04A | REDUCER | 10 | EA | 0294-A61Y |
| KQ2R06-08A | REDUCER | 10 | EA | 0294-A620 |
| KQ2R06-10A | REDUCER | 10 | EA | 0294-A621 |
| KQ2R06-12A | REDUCER | 10 | EA | 0294-A622 |
| KQ2R07-09A | REDUCER | 10 | EA | 0294-A5XV |
| KQ2R07-11A | REDUCER | 10 | EA | 0294-A61W |
| KQ2R08-10A | REDUCER | 10 | EA | 0294-A6AL |
| KQ2R08-12A | REDUCER | 10 | EA | 0294-A5XW |
| KQ2R09-11A | REDUCER | 10 | EA | 0294-A5XX |
| KQ2R09-13A | REDUCER | 10 | EA | 0294-A607 |
| KQ2R10-12A | REDUCER | 10 | EA | 0294-A608 |
| KQ2R10-16A | REDUCER | 10 | EA | 0294-A623 |
| KQ2R11-13A | REDUCER | 10 | EA | 0294-A624 |
| KQ2R12-16A | REDUCER | 10 | EA | 0294-A625 |
| KQ2R23-04A | REDUCER | 10 | EA | 0294-A6XY |
| KQB2R01-03 | REDUCER | 1  | EA | 0294-A5Y2 |
| KQB2R03-07 | REDUCER | 1  | EA | 0294-A5XY |
| KQB2R04-06 | REDUCER | 1  | EA | 0294-A5Y0 |
| KQB2R06-08 | REDUCER | 1  | EA | 0294-A5Y1 |
| KQB2R07-09 | REDUCER | 1  | EA | 0294-A626 |
| KQB2R08-10 | REDUCER | 1  | EA | 0294-A627 |

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| KQB2R09-11    | REDUCER | 1  | EA | 0294-A628 |
| KQB2R10-12    | REDUCER | 1  | EA | 0294-A61X |
| KQB2R11-13    | REDUCER | 1  | EA | 0294-A5Y3 |
| KQB2R12-16    | REDUCER | 1  | EA | 0294-A609 |
| KQG2R12-16    | REDUCER | 1  | EA | 0294-A60A |
| KRR06-08      | REDUCER | 10 | EA | 0294-A629 |
| KRR06-10      | REDUCER | 10 | EA | 0294-A62A |
| KRR08-10      | REDUCER | 10 | EA | 0294-A62F |
| KRR08-12      | REDUCER | 10 | EA | 0294-A62G |
| KRR10-12      | REDUCER | 10 | EA | 0294-A67X |
| KRR12-16-X269 | REDUCER | 10 | EA | 0294-A6R2 |
| 1425/T10      | TEE     | 1  | EA | 0294-A6G8 |
| 1425/T12      | TEE     | 1  | EA | 0294-A67J |
| 1425/T8       | TEE     | 1  | EA | 0294-A605 |
| KGY08-01      | TEE     | 2  | EA | 0294-A5YV |
| KQ2T01-00A    | TEE     | 10 | EA | 0294-A60F |
| KQ2T01-34AS   | TEE     | 10 | EA | 0294-A75Y |
| KQ2T01-35AS   | TEE     | 10 | EA | 0294-A62H |
| KQ2T03-00A    | TEE     | 10 | EA | 0294-A62J |
| KQ2T03-05A    | TEE     | 10 | EA | 0294-A62K |
| KQ2T03-07A    | TEE     | 10 | EA | 0294-A716 |
| KQ2T03-32A    | TEE     | 10 | EA | 0294-A713 |
| KQ2T03-34AS   | TEE     | 10 | EA | 0611-8D4T |
| KQ2T03-35AS   | TEE     | 10 | EA | 0611-8D4V |
| KQ2T03-U02A   | TEE     | 10 | EA | 0611-8D4W |
| KQ2T04-00A    | TEE     | 10 | EA | 0611-8D4X |
| KQ2T04-01AS   | TEE     | 10 | EA | 0611-8D4Y |
| KQ2T04-06A    | TEE     | 10 | EA | 0611-8D50 |
| KQ2T04-M5A    | TEE     | 10 | EA | 0611-8D51 |
| KQ2T05-00A    | TEE     | 10 | EA | 0611-8D52 |

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| KQ2T05-34AS | TEE | 10 | EA | 0611-8D53 |
| KQ2T05-35AS | TEE | 10 | EA | 0611-8D54 |
| KQ2T06-00A  | TEE | 10 | EA | 0611-8D55 |
| KQ2T06-01AS | TEE | 10 | EA | 0651-38N1 |
| KQ2T06-02AS | TEE | 10 | EA | 0651-38N2 |
| KQ2T06-08A  | TEE | 10 | EA | 0651-38N3 |
| KQ2T06-M5A  | TEE | 10 | EA | 0651-38N4 |
| KQ2T07-00A  | TEE | 10 | EA | 0651-38N5 |
| KQ2T07-09A  | TEE | 10 | EA | 0651-38MA |
| KQ2T07-11A  | TEE | 10 | EA | 0651-38N6 |
| KQ2T07-32N  | TEE | 10 | EA | 0651-38N7 |
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| KQ2T07-35AS | TEE | 10 | EA | 0651-38N8 |
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| KQ2T07-U02A | TEE | 10 | EA | 0207-GH1M |
| KQ2T08-00A  | TEE | 10 | EA | 0207-GJX4 |
| KQ2T08-01AS | TEE | 10 | EA | 0207-GH1N |
| KQ2T08-02AS | TEE | 10 | EA | 0207-GHJA |
| KQ2T08-03AS | TEE | 10 | EA | 0207-GHJM |
| KQ2T08-10A  | TEE | 10 | EA | 0840-5840 |
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| KQ2T09-34AS | TEE | 10 | EA | 0840-5849 |
| KQ2T09-35AS | TEE | 10 | EA | 0840-584A |
| KQ2T09-36AS | TEE | 10 | EA | 0840-5842 |
| KQ2T10-00A  | TEE | 10 | EA | 0840-584F |
| KQ2T10-01AS | TEE | 10 | EA | 0840-584G |
| KQ2T10-02AS | TEE | 10 | EA | 0840-584H |
| KQ2T10-03AS | TEE | 10 | EA | 0840-5843 |
| KQ2T10-04AS | TEE | 10 | EA | 0840-5839 |

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| KQ2T10-12A  | TEE | 10 | EA | 0840-584J |
| KQ2T11-00A  | TEE | 10 | EA | 0840-584K |
| KQ2T11-34AS | TEE | 10 | EA | 0840-584L |
| KQ2T11-35AS | TEE | 10 | EA | 0840-5844 |
| KQ2T11-36AS | TEE | 10 | EA | 0840-5845 |
| KQ2T11-37AS | TEE | 10 | EA | 0840-584M |
| KQ2T11-U02A | TEE | 10 | EA | 0840-584N |
| KQ2T11-U03A | TEE | 10 | EA | 0840-584P |
| KQ2T12-00A  | TEE | 10 | EA | 0840-584R |
| KQ2T12-02AS | TEE | 10 | EA | 0840-5846 |
| KQ2T12-03A  | TEE | 10 | EA | 0840-5847 |
| KQ2T12-03AS | TEE | 10 | EA | 0840-584T |
| KQ2T12-04AS | TEE | 10 | EA | 0840-584V |
| KQ2T12-10A  | TEE | 10 | EA | 0840-584W |
| KQ2T12-U02A | TEE | 10 | EA | 0840-5848 |
| KQ2T13-00A  | TEE | 10 | EA | 0840-58KX |
| KQ2T13-35AS | TEE | 10 | EA | 0922-03A3 |
| KQ2T13-36AS | TEE | 10 | EA | 0294-A717 |
| KQ2T13-37AS | TEE | 10 | EA | 0368-8CX1 |
| KQ2T16-00A  | TEE | 1  | EA | 0887-34DP |
| KQ2T16-U04A | TEE | 1  | EA | 0887-34DK |
| KQ2Y01-34AS | TEE | 10 | EA | 0887-34DL |
| KQ2Y01-35AS | TEE | 10 | EA | 0294-A731 |
| KQ2Y03-32N  | TEE | 10 | EA | 0294-A6XX |
| KQ2Y03-34AS | TEE | 10 | EA | 0651-39JL |
| KQ2Y03-34NS | TEE | 10 | EA | 0887-34F4 |
| KQ2Y03-35AS | TEE | 10 | EA | 0840-58HJ |
| KQ2Y04-01AS | TEE | 10 | EA | 0368-8CNY |
| KQ2Y05-34AS | TEE | 10 | EA | 0368-8CP0 |
| KQ2Y05-35AS | TEE | 10 | EA | 0368-8AHL |

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| KQ2Y06-01AS | TEE | 10 | EA | 0368-8CP1 |
| KQ2Y06-U01A | TEE | 10 | EA | 0294-A3JL |
| KQ2Y06-U02A | TEE | 10 | EA | 0227-66WT |
| KQ2Y06-U03A | TEE | 10 | EA | 0227-66WV |
| KQ2Y07-34AS | TEE | 10 | EA | 0227-65M8 |
| KQ2Y07-35AS | TEE | 10 | EA | 0227-65HA |
| KQ2Y07-36AS | TEE | 10 | EA | 0227-6A54 |
| KQ2Y07-U01A | TEE | 10 | EA | 0227-68TH |
| KQ2Y08-01AS | TEE | 10 | EA | 0227-6853 |
| KQ2Y08-02AS | TEE | 10 | EA | 0887-33D7 |
| KQ2Y08-03AS | TEE | 10 | EA | 0887-33D8 |
| KQ2Y09-34AS | TEE | 10 | EA | 0887-33D9 |
| KQ2Y09-35AS | TEE | 10 | EA | 0887-33DA |
| KQ2Y09-36AS | TEE | 10 | EA | 0207-GCGG |
| KQ2Y11-35AS | TEE | 10 | EA | 0207-GC2M |
| KQ2Y11-36AS | TEE | 10 | EA | 0887-3380 |
| KQ2Y11-37AS | TEE | 10 | EA | 0207-GD7F |
| KQ2Y11-U03A | TEE | 10 | EA | 0207-GD7G |
| KQ2Y12-02AS | TEE | 10 | EA | 0207-GD7H |
| KQ2Y12-04AS | TEE | 10 | EA | 0207-GDY3 |
| KQ2Y12-U03A | TEE | 10 | EA | 0207-GH42 |
| KQ2Y13-35AS | TEE | 10 | EA | 0207-GD88 |
| KQ2Y13-37AS | TEE | 10 | EA | 0207-GD89 |
| KQ2Y13-U04A | TEE | 5  | EA | 0207-GD8A |
| KQ2Y16-04AS | TEE | 5  | EA | 0207-G9MW |
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| KQB2T03-00  | TEE | 1  | EA | 0207-GG13 |
| KQB2T04-00  | TEE | 1  | EA | 0887-335Y |
| KQB2T04-G01 | TEE | 1  | EA | 0207-GD5R |
| KQB2T04-G02 | TEE | 1  | EA | 0207-G9MT |

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| KQB2T06-00  | TEE | 1  | EA | 0207-G9MV |
| KQB2T06-G01 | TEE | 1  | EA | 0207-GCPV |
| KQB2T06-G02 | TEE | 1  | EA | 0207-GC1W |
| KQB2T06-G03 | TEE | 1  | EA | 0207-GC1X |
| KQB2T07-00  | TEE | 1  | EA | 0207-GD8F |
| KQB2T08-00  | TEE | 1  | EA | 0207-GCXY |
| KQB2T08-G01 | TEE | 1  | EA | 0207-GD8G |
| KQB2T08-G02 | TEE | 1  | EA | 0207-GAMR |
| KQB2T08-G03 | TEE | 1  | EA | 0887-33D5 |
| KQB2T09-00  | TEE | 1  | EA | 0207-GD7J |
| KQB2T10-00  | TEE | 1  | EA | 0207-GD7K |
| KQB2T10-G01 | TEE | 1  | EA | 0207-GCYN |
| KQB2T10-G02 | TEE | 1  | EA | 0207-GD7L |
| KQB2T10-G03 | TEE | 1  | EA | 0207-GDM5 |
| KQB2T10-G04 | TEE | 1  | EA | 0207-GCPW |
| KQB2T11-00  | TEE | 1  | EA | 0207-GC1Y |
| KQB2T12-00  | TEE | 1  | EA | 0207-GC20 |
| KQB2T12-G02 | TEE | 1  | EA | 0207-GC21 |
| KQB2T12-G03 | TEE | 1  | EA | 0207-GHG7 |
| KQB2T12-G04 | TEE | 1  | EA | 0207-GD8H |
| KQB2T13-00  | TEE | 1  | EA | 0207-GCXX |
| KQB2T16-00  | TEE | 1  | EA | 0207-GD8J |
| KQG2T16-00  | TEE | 1  | EA | 0207-G9LV |
| KRT06-00    | TEE | 10 | EA | 0207-G95K |
| KRT06-01S   | TEE | 10 | EA | 0207-GG14 |
| KRT07-00    | TEE | 10 | EA | 0887-33D6 |
| KRT08-00    | TEE | 10 | EA | 0207-GD51 |
| KRT08-00W2  | TEE | 10 | EA | 0207-GD4Y |
| KRT10-00    | TEE | 10 | EA | 0207-GD50 |
| KRT10-00W2  | TEE | 10 | EA | 0887-33D4 |

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| KRT11-00      | TEE   | 10 | EA | 0207-GCPX |
| KRT12-00      | TEE   | 10 | EA | 0207-GC22 |
| KRT12-04S     | TEE   | 5  | EA | 0207-GC23 |
| KRT13-00      | TEE   | 10 | EA | 0207-GD67 |
| KRT16-00      | TEE   | 1  | EA | 0207-GD8K |
| KRT16-00-X269 | TEE   | 1  | EA | 0207-GD8L |
| KRY08-02S     | TEE   | 10 | EA | 0207-G9LW |
| KRY10-03S     | TEE   | 5  | EA | 0207-G9LX |
| KCE06-00      | UNION | 10 | EA | 0207-GAC0 |
| KCH04-00      | UNION | 10 | EA | 0887-33D3 |
| KCH06-00      | UNION | 10 | EA | 0207-GD8M |
| KCH08-00      | UNION | 10 | EA | 0207-GD8N |
| KCH10-00      | UNION | 10 | EA | 0207-GC24 |
| KCH12-00      | UNION | 10 | EA | 0207-GC25 |
| KFH06-00      | UNION | 10 | EA | 0294-A582 |
| KFH08N-00     | UNION | 10 | EA | 0294-A583 |
| KFH08U-00     | UNION | 10 | EA | 0294-A584 |
| KQ2E01-00A    | UNION | 10 | EA | 0294-A585 |
| KQ2E03-00A    | UNION | 10 | EA | 0294-A586 |
| KQ2E04-00A    | UNION | 10 | EA | 0294-A587 |
| KQ2E04-00AJ   | UNION | 10 | EA | 0294-A588 |
| KQ2E05-00A    | UNION | 10 | EA | 0294-A589 |
| KQ2E06-00A    | UNION | 10 | EA | 0294-A58A |
| KQ2E06-00AJ   | UNION | 10 | EA | 0294-A5FV |
| KQ2E07-00A    | UNION | 10 | EA | 0294-A58F |
| KQ2E07-00NJ   | UNION | 10 | EA | 0294-A58G |
| KQ2E08-00A    | UNION | 10 | EA | 0294-A5FW |
| KQ2E09-00A    | UNION | 10 | EA | 0294-A3VH |
| KQ2E10-00A    | UNION | 10 | EA | 0294-A489 |
| KQ2E11-00A    | UNION | 10 | EA | 0294-A48A |

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| KQ2E12-00A | UNION | 5  | EA | 0294-A48F |
| KQ2E13-00A | UNION | 10 | EA | 0294-A52K |
| KQ2E16-00A | UNION | 1  | EA | 0294-A4CN |
| KQ2H01-00A | UNION | 10 | EA | 0294-A522 |
| KQ2H01-03A | UNION | 10 | EA | 0294-A541 |
| KQ2H01-07A | UNION | 10 | EA | 0294-A490 |
| KQ2H03-00A | UNION | 10 | EA | 0294-A491 |
| KQ2H03-05A | UNION | 10 | EA | 0294-A492 |
| KQ2H03-07A | UNION | 10 | EA | 0294-A372 |
| KQ2H04-00A | UNION | 10 | EA | 0294-A373 |
| KQ2H04-06A | UNION | 10 | EA | 0294-A374 |
| KQ2H05-00A | UNION | 10 | EA | 0294-A36T |
| KQ2H05-07A | UNION | 10 | EA | 0294-A3FJ |
| KQ2H06-00A | UNION | 10 | EA | 0294-A375 |
| KQ2H06-08A | UNION | 10 | EA | 0294-A35N |
| KQ2H07-00A | UNION | 10 | EA | 0294-A52L |
| KQ2H07-09A | UNION | 10 | EA | 0294-A44H |
| KQ2H07-11A | UNION | 10 | EA | 0294-A3TT |
| KQ2H08-00A | UNION | 10 | EA | 0294-A3TV |
| KQ2H08-10A | UNION | 10 | EA | 0294-A485 |
| KQ2H09-00A | UNION | 10 | EA | 0294-A45G |
| KQ2H09-11A | UNION | 10 | EA | 0294-A493 |
| KQ2H09-13A | UNION | 10 | EA | 0294-A3VJ |
| KQ2H10-00A | UNION | 10 | EA | 0294-A48G |
| KQ2H10-12A | UNION | 10 | EA | 0294-A48H |
| KQ2H11-00A | UNION | 10 | EA | 0294-A48J |
| KQ2H11-13A | UNION | 10 | EA | 0294-A48K |
| KQ2H12-00A | UNION | 10 | EA | 0294-A532 |
| KQ2H12-16A | UNION | 10 | EA | 0294-A44J |
| KQ2H13-00A | UNION | 10 | EA | 0294-A3TW |

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| KQ2H16-00A    | UNION | 10 | EA | 0294-A3TX |
| KQ2H23-00A    | UNION | 10 | EA | 0294-A3TY |
| KQB2H01-00    | UNION | 1  | EA | 0294-A65L |
| KQB2H03-00    | UNION | 1  | EA | 0294-A44K |
| KQB2H04-00    | UNION | 1  | EA | 0294-A45F |
| KQB2H06-00    | UNION | 1  | EA | 0294-A494 |
| KQB2H06-08    | UNION | 1  | EA | 0294-A36X |
| KQB2H07-00    | UNION | 1  | EA | 0294-A36Y |
| KQB2H08-00    | UNION | 1  | EA | 0294-A5FX |
| KQB2H09-00    | UNION | 1  | EA | 0294-A3VK |
| KQB2H10-00    | UNION | 1  | EA | 0294-A47T |
| KQB2H11-00    | UNION | 1  | EA | 0294-A47V |
| KQB2H12-00    | UNION | 1  | EA | 0294-A47W |
| KQB2H13-00    | UNION | 1  | EA | 0294-A3VF |
| KQG2H04-01S   | UNION | 1  | EA | 0294-A3V7 |
| KQG2H09-N03S  | UNION | 1  | EA | 0294-A44L |
| KQG2H13-N04S  | UNION | 1  | EA | 0294-A3V0 |
| KQG2S06-01S   | UNION | 1  | EA | 0294-A3V1 |
| KRE06-00      | UNION | 10 | EA | 0294-A486 |
| KRE08-00      | UNION | 10 | EA | 0294-A495 |
| KRE10-00      | UNION | 5  | EA | 0294-A496 |
| KRE12-00      | UNION | 5  | EA | 0294-A370 |
| KRH06-00      | UNION | 10 | EA | 0294-A371 |
| KRH08-00      | UNION | 10 | EA | 0294-A5FY |
| KRH10-00      | UNION | 5  | EA | 0294-A44G |
| KRH12-00      | UNION | 5  | EA | 0294-A497 |
| KRH12-16-X269 | UNION | 1  | EA | 0294-A4AA |
| KRH16-00-X269 | UNION | 1  | EA | 0294-A3V8 |
| KEB06         | VALVE | 10 | EA | 0294-A3V2 |
| KEB08         | VALVE | 10 | EA | 0294-A3V3 |

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|-------------|-------|----|----|-----------|
| KEB10       | VALVE | 1  | EA | 0510-0661 |
| KEB12       | VALVE | 1  | EA | 0510-06W3 |
| KEB16-X435  | VALVE | 1  | EA | 0611-8AD9 |
| KEC-02      | VALVE | 10 | EA | 0611-89R1 |
| KEC-03      | VALVE | 10 | EA | 0611-89PL |
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| KQ2U01-34AS | Y     | 10 | EA | 0611-89V5 |
| KQ2U01-99A  | Y     | 10 | EA | 0611-89PN |
| KQ2U03-00A  | Y     | 10 | EA | 0611-89XP |
| KQ2U03-07A  | Y     | 10 | EA | 0611-8AN4 |
| KQ2U03-34AS | Y     | 10 | EA | 0651-3770 |
| KQ2U03-35AS | Y     | 10 | EA | 0651-3771 |
| KQ2U03-99A  | Y     | 10 | EA | 0651-3772 |
| KQ2U04-00A  | Y     | 10 | EA | 0651-3773 |
| KQ2U04-01AS | Y     | 10 | EA | 0651-3774 |
| KQ2U04-02AS | Y     | 10 | EA | 0651-37HJ |
| KQ2U04-99A  | Y     | 10 | EA | 0840-576N |
| KQ2U05-00A  | Y     | 10 | EA | 0840-5863 |
| KQ2U05-99A  | Y     | 10 | EA | 0840-56YA |
| KQ2U06-00A  | Y     | 10 | EA | 0840-56W2 |
| KQ2U06-01AS | Y     | 10 | EA | 0840-5861 |
| KQ2U06-02AS | Y     | 10 | EA | 0840-576M |
| KQ2U06-03AS | Y     | 10 | EA | 0840-5860 |
| KQ2U06-08A  | Y     | 10 | EA | 0840-56WY |
| KQ2U06-99A  | Y     | 10 | EA | 0840-576P |
| KQ2U06-U03A | Y     | 10 | EA | 0840-5864 |
| KQ2U07-00A  | Y     | 10 | EA | 0840-56YF |
| KQ2U07-09A  | Y     | 10 | EA | 0840-57CT |
| KQ2U07-11A  | Y     | 10 | EA | 0840-576L |
| KQ2U07-34AS | Y     | 10 | EA | 0922-0373 |

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| KQ2U07-35AS | Y | 10 | EA | 0922-0374 |
| KQ2U07-36AS | Y | 10 | EA | 0922-0395 |
| KQ2U07-99A  | Y | 10 | EA | 0922-0375 |
| KQ2U08-00A  | Y | 10 | EA | 0922-0396 |
| KQ2U08-10A  | Y | 10 | EA | 0922-0376 |
| KQ2U08-99A  | Y | 10 | EA | 0922-0397 |
| KQ2U08-U03A | Y | 10 | EA | 0922-0364 |
| KQ2U09-00A  | Y | 10 | EA | 0294-A45J |
| KQ2U09-11A  | Y | 10 | EA | 0294-A4HH |
| KQ2U09-13A  | Y | 10 | EA | 0294-A3V9 |
| KQ2U09-34AS | Y | 10 | EA | 0294-A3VA |
| KQ2U09-35AS | Y | 10 | EA | 0840-5767 |
| KQ2U09-36AS | Y | 10 | EA | 0840-57AF |
| KQ2U09-99A  | Y | 10 | EA | 0294-A44M |
| KQ2U10-00A  | Y | 10 | EA | 0294-A3V4 |
| KQ2U10-02AS | Y | 10 | EA | 0294-A533 |
| KQ2U10-03AS | Y | 10 | EA | 0294-A44N |
| KQ2U10-12A  | Y | 10 | EA | 0294-A3VL |
| KQ2U10-99A  | Y | 10 | EA | 0294-A3V5 |
| KQ2U11-00A  | Y | 5  | EA | 0294-A3V6 |
| KQ2U11-13A  | Y | 5  | EA | 0207-GFHV |
| KQ2U11-35AS | Y | 10 | EA | 0207-GFW  |
| KQ2U11-36AS | Y | 10 | EA | 0207-GAN0 |
| KQ2U11-37AS | Y | 5  | EA | 0207-GFYA |
| KQ2U12-00A  | Y | 5  | EA | 0207-GFYF |
| KQ2U12-02AS | Y | 1  | EA | 0207-GFL2 |
| KQ2U12-16A  | Y | 5  | EA | 0294-A545 |
| KQ2U12-99A  | Y | 1  | EA | 0294-A546 |
| KQ2U13-00   | Y | 10 | EA | 0294-A5TA |
| KQ2U13-35AS | Y | 5  | EA | 0294-A5F0 |

|               |   |    |    |           |
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| KQ2U13-36AS   | Y | 5  | EA | 0294-A5F1 |
| KQ2U13-37AS   | Y | 5  | EA | 0294-A6FL |
| KQ2U16-00A    | Y | 5  | EA | 0294-A6FK |
| KQ2U16-04AS   | Y | 5  | EA | 0294-A54A |
| KQ2UD04-06A   | Y | 10 | EA | 0294-A484 |
| KQ2UD06-08A   | Y | 5  | EA | 0294-A482 |
| KQ2X06-08A    | Y | 10 | EA | 0294-A483 |
| KQ2X08-10A    | Y | 10 | EA | 0294-A6FJ |
| KQ2X10-12A    | Y | 10 | EA | 0294-A68P |
| KQ2XD06-08A   | Y | 10 | EA | 0294-A6F6 |
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| KRU06-00      | Y | 10 | EA | 0294-A6F5 |
| KRU08-00      | Y | 10 | EA | 0933-43AK |
| KRU08-99      | Y | 10 | EA | 0933-4372 |
| KRU10-00      | Y | 5  | EA | 0009-CTM6 |
| KRU10-99      | Y | 5  | EA | 0611-8D36 |
| KRU12-00      | Y | 5  | EA | 0611-8CWP |
| KRU12-99      | Y | 5  | EA | 0294-A6YY |
| KRU16-99-X269 | Y | 1  | EA | 0294-A5P7 |

## GLOBAL CONTACTS

| Country          | Name                     | Office Phone                   | Cell Phone            | Title                                      | Email Address                                                                              |
|------------------|--------------------------|--------------------------------|-----------------------|--------------------------------------------|--------------------------------------------------------------------------------------------|
| SMC USA          | Ed Manes                 |                                | 586-651-0480          | GM NA Account Manager                      | <a href="mailto:emanes@smcusa.com">emanes@smcusa.com</a>                                   |
| SMC USA          | Ken Geromette            |                                | 586-863-6110          | Industry Specialist - Plants, WTC          | <a href="mailto:kgeromette@smcusa.com">kgeromette@smcusa.com</a>                           |
| SMC USA          | John Grauf               |                                | 248-219-1502          | Industry Specialist - Powertrain           | <a href="mailto:jgrauf@smcusa.com">jgrauf@smcusa.com</a>                                   |
| SMC CANADA       | Rico Toteda              |                                | 416-455-3546          | Industry Specialist - Canada               | <a href="mailto:rtoteda@smcpneumatics.ca">rtoteda@smcpneumatics.ca</a>                     |
| SMC MEXICO       | Alfredo Flores Colmenero | (472) 722 5500 Ext. 4025       | 01 (477) 143 7735     | Automotive Industry Coordinator            | <a href="mailto:aflores@smcmx.com.mx">aflores@smcmx.com.mx</a>                             |
| SMC AUSTRALIA    | David Jamieson           | (02) 9354 8222                 | 0447 472 930          | National Sales Manager                     | <a href="mailto:diam@smcaus.com.au">diam@smcaus.com.au</a>                                 |
| SMC AUSTRALIA    | Lawrence Sule            | (08) 8245 7200                 | 0401 516 058          | SA Regional Manager                        | <a href="mailto:lsul@smcaus.com.au">lsul@smcaus.com.au</a>                                 |
| SMC AUSTRALIA    | Rodney Ryan              | (03) 8540 6800                 | 0419 134 270          | VIC Sales Manager                          | <a href="mailto:rrva@smcaus.com.au">rrva@smcaus.com.au</a>                                 |
| SMC AUSTRALIA    | Jason Sutton             | (08) 8245 7214                 | 0400 008 588          | Technical Representative                   | <a href="mailto:jsut@smcaus.com.au">jsut@smcaus.com.au</a>                                 |
| SMC CHINA        | Nigel Mayo               |                                | (86) 13917334487      | SMC Shanghai Industry Liaison              | <a href="mailto:nmayo@smc.com.cn">nmayo@smc.com.cn</a>                                     |
| SMC CHINA        | Wang Bo Weng             |                                |                       | SMC Shanghai Car Project                   | <a href="mailto:wangbowen@smc.com.cn">wangbowen@smc.com.cn</a>                             |
| SMC CHINA        | Mr. Ma Suhua             | 86 136-1192-1136               |                       | Pudong Sales Office Manager                | <a href="mailto:masuhua@smc.com.cn">masuhua@smc.com.cn</a>                                 |
| SMC CHINA        | Wang Wenwen              |                                |                       | Car Project Sales                          | <a href="mailto:wangwenwen@smc.com.cn">wangwenwen@smc.com.cn</a>                           |
| SMC CHINA        | Mr. Ji Shuanglong        | 86 135-8590-6224               |                       | Salesman                                   | <a href="mailto:pd-ds@smc.com.cn">pd-ds@smc.com.cn</a>                                     |
| SMC EGYPT        | Eng. Amr El Saadani      | + 20 2262357                   | 1006665678            | Chairman & Managing Director               | <a href="mailto:Amr@saadanigroup.com.eg">Amr@saadanigroup.com.eg</a>                       |
| SMC INDIA        | Mr. Samir Kapadia        | 91-120-2568730/31/32           | 91-120-2568730        | Noida                                      | <a href="mailto:snk@smcindia.in">snk@smcindia.in</a>                                       |
| SMC INDIA        | Mr. Rajeev Yamdagni      | 91-120-2568730/31/32           |                       | Noida                                      | <a href="mailto:ryam@smcindia.in">ryam@smcindia.in</a>                                     |
| SMC INDIA        | Mr. Sanjay Shah          | 91-79-26407774                 |                       | Ahmedabad                                  | <a href="mailto:ahmedabad@smcindia.in">ahmedabad@smcindia.in</a>                           |
| SMC INDIA        | Mr. Ganapati Hegde       | 91-80- 25731907                |                       | Bangalore                                  | <a href="mailto:info@smcindia.in">info@smcindia.in</a>                                     |
| SMC INDIA        | Mr. Rahul J. Kulkarni    | 91-20-66010320 / 99            |                       | Pune                                       | <a href="mailto:pune@smcindia.in">pune@smcindia.in</a>                                     |
| SMC INDONESIA    | Mr. Jap Ricky Yanato     |                                |                       | Managing Director                          | <a href="mailto:jinfo@smcindonesia.com">jinfo@smcindonesia.com</a>                         |
| SMC INDONESIA    | Mr. Zainudin             |                                |                       | Sales Manager                              | <a href="mailto:zainudin@smcid.co.id">zainudin@smcid.co.id</a>                             |
| SMC JAPAN        | Mr. Y Omata              | 03-5207-8246                   |                       | Manager International Business Div1        | <a href="mailto:omata-c@smcjp.co.jp">omata-c@smcjp.co.jp</a>                               |
| SMC KOREA        | Mr. TJ-Nam               |                                |                       | National Sales Manager                     | <a href="mailto:taekjoon@smckorea.co.kr">taekjoon@smckorea.co.kr</a>                       |
| SMC KOREA        | Mr. YJ-Yoon              |                                | (82) 010-8923-5988    | Manager KCP                                | <a href="mailto:yivoon@smckorea.co.kr">yivoon@smckorea.co.kr</a>                           |
| SMC RUSSIA       | Sergey Lokshin           | 7831-4193855, 4198006, 4198012 | 79107900775           | Car Project Manager                        | <a href="mailto:lokshin.sergey@smc-pneumatik.ru">lokshin.sergey@smc-pneumatik.ru</a>       |
| SMC RUSSIA       | Anton Feofanov           | 7812-3036600, 3036601          | 79219523903           | Regional Sales Manager                     | <a href="mailto:Feofanov.Anton@smc-pneumatik.ru">Feofanov.Anton@smc-pneumatik.ru</a>       |
| SMC SOUTH AFRICA | Helmut P. Schwabe        | 27 (0)11 386-5850              |                       | General Manager                            | <a href="mailto:hps@hvflo.co.za">hps@hvflo.co.za</a>                                       |
| SMC THAILAND     | Soonthorn P.             | 02-963-7099                    | 08-1636-3907          | SMC Sales Manager                          | <a href="mailto:sal-soonthorn.p@mail.smcthai.co.th">sal-soonthorn.p@mail.smcthai.co.th</a> |
| SMC THAILAND     | Somkiat S.               | 038-313-800-6                  | 08-1810-0351          | Regional Sales Manager                     | <a href="mailto:somkiat@chavanan.com">somkiat@chavanan.com</a>                             |
| SMC THAILAND     | Ms. Wilailak C.          | 0-2963-7099 Ext 114            |                       | Automotive Project Coordinator             | <a href="mailto:sal-wilailak.c@mail.smcthai.co.th">sal-wilailak.c@mail.smcthai.co.th</a>   |
| SMC THAILAND     | Kashane S.               | 038-313-800-6                  | 08-1654-5312          | CCL Sales Executive                        | <a href="mailto:kashane@chavanan.com">kashane@chavanan.com</a>                             |
| SMC THAILAND     | Witthaya S.              | 038-337-559-60                 | 08-1651-6747          | SMC Eastern Seaboard Senior Sales Engineer | <a href="mailto:sal-witthaya.s@mail.smcthai.co.th">sal-witthaya.s@mail.smcthai.co.th</a>   |
| SMC GERMANY      | Alexander Banzhaf        | 49 (0) 7243 / 21673-0          | 49 (0) 162 / 2999 662 | Car Project Manager - SMC Germany          | <a href="mailto:Banzhaf.Alexander@smc.de">Banzhaf.Alexander@smc.de</a>                     |
| SMC GERMANY      | Alexander Weyrauch       | +49 (0) 6103 / 402-0           | 49 (0) 162 / 2999 634 | Key Account Manager                        | <a href="mailto:weyrauch.alexander@smc.de">weyrauch.alexander@smc.de</a>                   |
| SMC UZBEKISTAN   | Evgeny Shlemin           | 7812-3036600, 3036601          | 79213354696           | Area Sales Manager                         | <a href="mailto:Shlemin.Evgenvy@smc-pneumatik.ru">Shlemin.Evgenvy@smc-pneumatik.ru</a>     |
| SMC ARGENTINA    | Carlos Mottironi         |                                |                       | GM Sales                                   | <a href="mailto:smcrosario@smcar.com.ar">smcrosario@smcar.com.ar</a>                       |
| SMC ARGENTINA    | Ernesto Gesualdi         | 0810-555-55762                 |                       | General Manager                            | <a href="mailto:ErnestoGesualdi@smcar.com.ar">ErnestoGesualdi@smcar.com.ar</a>             |
| SMC ARGENTINA    | Eduardo Termine          |                                |                       | Car Project Manager                        | <a href="mailto:smcept@smcar.com.ar">smcept@smcar.com.ar</a>                               |
| SMC BRAZIL       | Alan toniette de Assiz   | 55 11 4082-0623                | 55 11 8988-1819       | National Sales Manager                     | <a href="mailto:aassiz@smcbr.com.br">aassiz@smcbr.com.br</a>                               |
| SMC BRAZIL       | Cláudio Barbosa Peres    | 55 11 4082-0600                | 55 11 7633-1926       | Car Project Manager - SMC Brazil           | <a href="mailto:cperes@smcbr.com.br">cperes@smcbr.com.br</a>                               |
| SMC BRAZIL       | Humberto Visconte        | 55 11 4082-0600                |                       | Managing Director                          | <a href="mailto:hvisconte@smcbr.com.br">hvisconte@smcbr.com.br</a>                         |
| SMC CHILE        | Manuel Fernández Roa     |                                |                       | Sales Manager                              | <a href="mailto:ventas@smcchile.cl">ventas@smcchile.cl</a>                                 |
| SMC CHILE        | Alejandro Vilche         | 2-27086000                     |                       | General Manager                            | <a href="mailto:gerencia@smcchile.cl">gerencia@smcchile.cl</a>                             |
| SMC COLOMBIA     | Manuel Fernández Roa     | 57-1-3290433                   | 57-317-643-3816       | General Manager                            | <a href="mailto:gerencia@smc.com.co">gerencia@smc.com.co</a>                               |
| SMC ECUADOR      | Gabriel Tufino           | (593)-2-6003690/91/92          | 593-096003236         | Sales Manager                              | <a href="mailto:gtufino@assistech.com.ec">gtufino@assistech.com.ec</a>                     |
| SMC ECUADOR      | Alberto Salguero         | (593)-2-6003690/91/92          | 593-096003235         | General Manager                            | <a href="mailto:asalguero@assistech.com.ec">asalguero@assistech.com.ec</a>                 |
| SMC VENEZUELA    | Carlos Salcedo           | 58 241 8345617                 | 58 4143422111         | Sales Manager                              | <a href="mailto:smcval1@ifxnw.com.ve">smcval1@ifxnw.com.ve</a>                             |
| SMC VENEZUELA    | Paul Krueger             | 58 212 6321876                 | 58 4144254705         | General Manager                            | <a href="mailto:smcval@ifxnw.com.ve">smcval@ifxnw.com.ve</a>                               |

