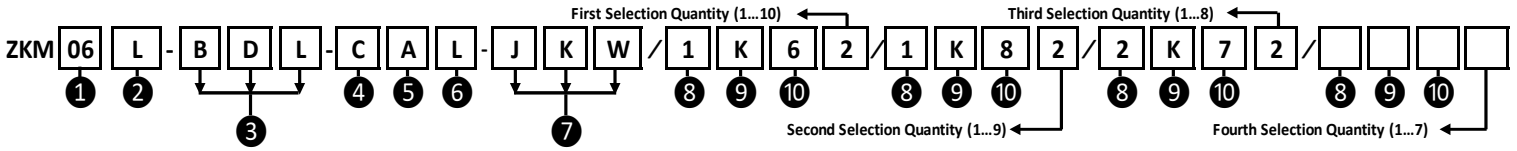


Pilot Operated Type



**1 Stations**

Symbol	Stations
01	1 Station
02	2 Stations
...	...
10	10 Stations

**2 Valve wiring**

Symbol	Wiring <sup>*1</sup>
L	Individual wiring or None
F	D-sub connector
P	Flat ribbon cable connector

<sup>\*1</sup> F/P wiring cannot be combined with **5** Energy savings switches (K, Q, R, S).  
F/P Wiring can only be combined with **6** Nil or Y leadwires.

**3 Manifold Options<sup>\*2</sup>**

Symbol	Type
Nil	Without option
B	With DIN rail mounting bracket <sup>*3</sup>
D	With common release pressure supply (PD) port
L	Manifold individual supply specification

<sup>\*2</sup> When more than one option is selected, list the symbols in alphabetical order. (Example -BDL)  
<sup>\*3</sup> DIN rail ordered separately.

**4 Exhaust<sup>\*4</sup>**

Symbol	Exhaust Type
C	Complex exhaust
F	Individual port exhaust
H	High-noise reduction silencer exhaust
Q	Vacuum pump system <sup>*5</sup>

<sup>\*4</sup> Cannot combine different exhaust types.  
<sup>\*5</sup> Q Vacuum pump system cannot be combined with **9** N Valve type

**5 Pressure Switch for Vacuum/Pressure Sensor**

Symbol	Type	Pressure range [kPa]	Specifications		
			NPN 2 outputs	PNP	With unit selection function
P	Pressure sensor <sup>*6</sup>	0 to -101	•	-	•
T		-100 to 100			
A	Pressure switch for Vacuum	0 to -101	•	-	•
B			•	-	None (SI unit only)
C			-	•	•
D			-	•	None (SI unit only)
E		-100 to 100	•	-	•
F			•	-	None (SI unit only)
H			-	•	•
J			-	•	None (SI unit only)
K	Pressure Switch for vacuum with energy Saving function <sup>*7</sup>	-100 to 100	•	-	•
Q			•	-	None (SI unit only)
R			-	•	•
S			-	•	None (SI unit only)
N	Without pressure switch for vacuum/pressure sensor				

<sup>\*6</sup> For option P & T, the leadwire **6** is included as standard. Select **6** L to receive a valve leadwire, or Y for only pressure sensor leadwire.

<sup>\*7</sup> Energy savings switches (K, Q, R, S) cannot be combined with **4** Q Vacuum pump system.  
Energy savings switches (K, Q, R, S) can only be combined with **6** Nil or W Leadwires.

**8 Nominal Nozzle Size**

Symbol	Nominal nozzle size	<b>4</b> Exhaust Type			
		C	F	H	Q
1	07 (Ø0.7)	•	•	•	-
2	10 (Ø1.0)	•	•	•	-
3	12 (Ø1.2)	•	•	•	-
4	15 (Ø1.5)	•	•	•	-
0	0	-	-	-	•

**6 Leadwires**

Symbol	Leadwires <sup>*8</sup>
Nil	None
L	Standard Leadwires (X2)
V	300 mm Valve only
Y	2 m Switch/Sensor only
W	Energy Saving

<sup>\*8</sup> L, Y, W leadwires cannot be combined with **5** N Switch.  
W leadwire can only be combined with **5** Energy Savings switches (K, Q, R, S).  
L, V, W leadwire cannot be combined with **9** N Valve type.

**9 Combination of supply valve and release valve**

Rated Voltage: 24V

Symbol	Supply Valve	Release Valve
	N.C. Latching	N.C.
K	•	-
J	•	-
R <sup>*13</sup>	-	•
N	-	-

**10 Vacuum (V) Port**

Symbol	Vacuum (V) Port
6	Ø6
8	Ø8
7	Ø1/4"
9	Ø5/16"

**7 Unit Options<sup>\*12</sup>**

Symbol	Type	Function/Application
Nil	Without option	
C	Vacuum pump system PE port female thread specification (M3) <sup>*9</sup>	Used for pilot pressure exhaust piping (Standard vacuum pump system is released to the atmosphere.)
E	Screwdriver operation type long lock nut	Used when the port position is close to the manifold individual supply and the needle adjustment operation is difficult
		Thicker than standard hexagon type. More suitable for hand tightening. Round lock nut improves operability when manifold, vacuum pump system, or exhaust port type is used.
J	Round lock nut	Thicker than standard hexagon type. More suitable for hand tightening. Round lock nut improves operability when manifold, vacuum pump system, or exhaust port type is used.
K	Screwdriver operation type	Slotted type improves fine adjustment, performance when manifold, vacuum pump system, or exhaust port type is used.
W	With exhaust interference prevention valve <sup>*11</sup>	When stations are operated individually, exhausted air may flow backward from the V port of generators that are turned off. Exhaust interference prevention valve prevents backflow.

<sup>\*9</sup> C unit option is only for **4** Q Vacuum pump System  
<sup>\*10</sup> E, J, K unit options can only be combined with **9** K and R Valve types.  
E unit option cannot be combined with **7** J or K.

<sup>\*11</sup> W unit option cannot be combined with **5** Energy saving switches (K, Q, R, S).  
<sup>\*12</sup> When more than one option is selected, list the symbols in alphabetical order. (Example -JKW).

<sup>\*13</sup> If **9** R Valve Type is selected along with **4** Q Vacuum pump system and **7** C Unit option, **5** D Manifold option must be selected.

- Notes:
- 1) First...Fourth Selection Quantities must sum to **1** number of stations
  - 2) Manifold will be assembled left to right (from D-sub side) as in part number
  - 3) The ZKM is the manifold Type Vacuum Generator from ZK2A Series