



## SWITCHOVER DOCUMENT

**ACG/ARG/AWG Series**  
Regulator with Built-in Pressure  
Gauge/Filter Regulator with  
Built-in Pressure Gauge

## Improved features and related benefits

### Feature

- Filter bowl is changed to double-layer transparent polycarbonate

### Customer Benefit

- Lighter bowl and improved resistance to corrosion.
- Visibility of the internal conditions provides easier maintenance.

Current product



New product



### Feature

- Weight reduction (approx. 12% for AWG40)

### Customer Benefit

- Contribution to overall machine weight reduction

## Improved features and related benefits

### Feature

- New spacer brackets with knurled tightening nut enables tentative tightening by finger

### Customer Benefit

- Reduced labour costs thanks to easier assembly



### Feature

- External colour changed to urban white.

### Customer Benefit

- Contribution to an improved external appearance



### Feature

- -X406 made to order for 0.4 MPa setting

### Customer Benefit

- Higher precision for lower pressure applications

## Interchangeability

- Fully interchangeability of ARG and AWG with previous model

Current product



New product



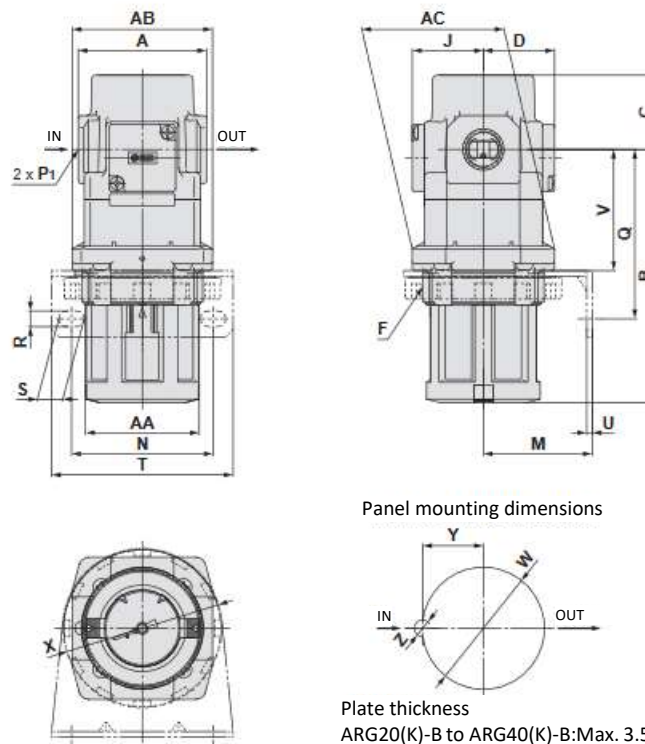
## Standard Specifications

| Model                   | ARG20/30/40      | ARG20/30/40-B    |
|-------------------------|------------------|------------------|
| Fluid                   | Air              | Air              |
| Proof pressure          | 1.5 MPa          | 1.5 MPa          |
| Max. Operating pressure | 1.0 MPa          | 1.0 MPa          |
| Set pressure range      | 0.05 to 0.85 MPa | 0.05 to 0.85 MPa |
| Construction            | Relieving type   | Relieving type   |
| Weight                  | 0.31/0.40/ 0.57  | 0.31/0.40/0.57   |

| Model                     | AWG20/30/40      | AWG20/30/40-B          |
|---------------------------|------------------|------------------------|
| Fluid                     | Air              | Air                    |
| Proof pressure            | 1.5 MPa          | 1.5 MPa                |
| Max. Operating pressure   | 1.0 MPa          | 1.0 MPa                |
| Set pressure range        | 0.05 to 0.85 MPa | 0.05 to 0.85 MPa       |
| Nominal filtration rating | 5 µm             | 5 µm                   |
| Drain capacity (cm3)      | 8/25/45          | 8/25/45                |
| Construction              | Relieving type   | Relieving type         |
| Bowl material             | Polycarbonate    | Polycarbonate          |
| Bowl guard                | None or Metal    | Steel or Polycarbonate |
| Weight                    | 0.38/0.51/0.86   | 0.26/0.46/0.76         |

 Difference in specifications

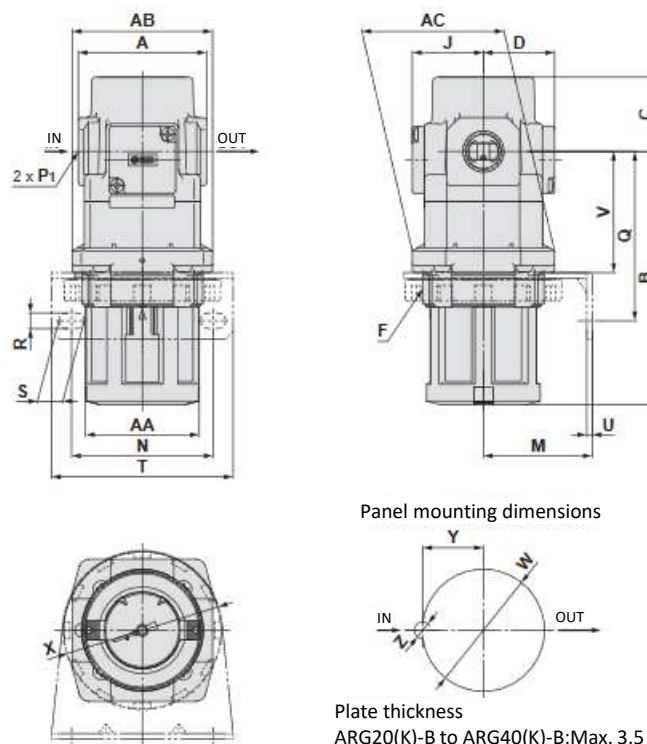
## Dimensions ARG



| [mm]              | P1  |     | A   |     | B     |       | C    |      | D    |      | J    |      | AB  |     | AC  |      |
|-------------------|-----|-----|-----|-----|-------|-------|------|------|------|------|------|------|-----|-----|-----|------|
| Model             | OLD | NEW | OLD | NEW | OLD   | NEW   | OLD  | NEW  | OLD  | NEW  | OLD  | NEW  | OLD | NEW | OLD | NEW  |
| <b>ARG20(K)-B</b> | 1/8 | 1/8 | 40  | 40  | 87.5  | 87.1  | 26.5 | 26.5 | 28.5 | 28.5 | 28.5 | 28.5 | 45  | 45  | 47  | 46.5 |
|                   | 1/4 | 1/4 |     |     |       |       |      |      |      |      |      |      |     |     |     |      |
| <b>ARG30(K)-B</b> | 1/4 | 1/4 | 53  | 53  | 107.5 | 108.2 | 31   | 30.7 | 29.5 | 29.4 | 29.5 | 29.4 | 58  | 58  | 59  | 58.8 |
|                   | 3/8 | 3/8 |     |     |       |       |      |      |      |      |      |      |     |     |     |      |
| <b>ARG40(K)-B</b> | 1/4 | 1/4 | 70  | 70  | 114.4 | 114.8 | 36   | 35.8 | 34   | 33.8 | 34   | 33.8 | 70  | 70  | 70  | 70   |
|                   | 3/8 | 3/8 |     |     |       |       |      |      |      |      |      |      |     |     |     |      |
|                   | 1/2 | 1/2 |     |     |       |       |      |      |      |      |      |      |     |     |     |      |

Difference in specifications

## Dimensions ARG

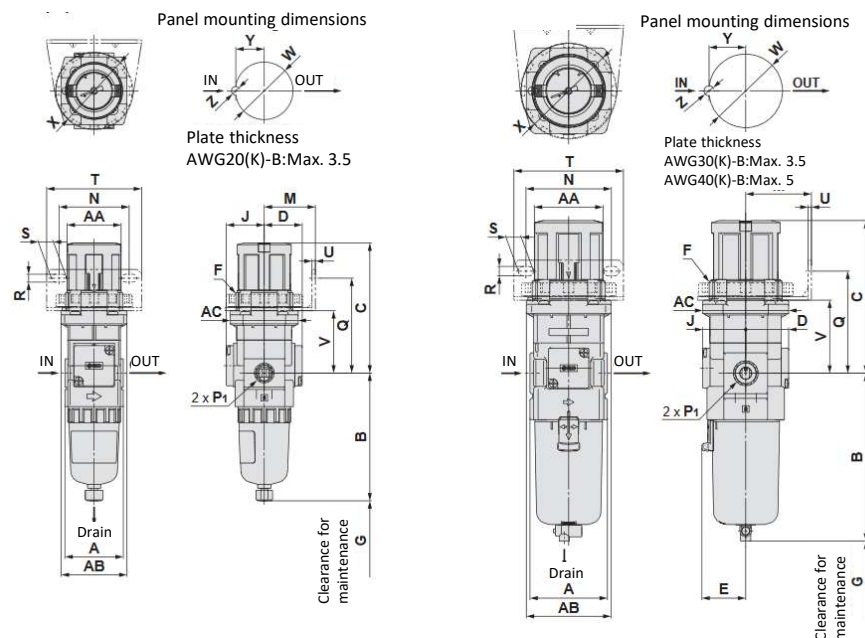


| [mm]              | Bracket mount |     |      |      |     |      |     |     |      |      |     |     |     |     |
|-------------------|---------------|-----|------|------|-----|------|-----|-----|------|------|-----|-----|-----|-----|
|                   | M             |     | N    |      | Q   |      | R   |     | S    |      | T   |     | U   |     |
| Model             | OLD           | NEW | OLD  | NEW  | OLD | NEW  | OLD | NEW | OLD  | NEW  | OLD | NEW | OLD | NEW |
| <b>ARG20(K)-B</b> | 35            | 35  | 48   | 48   | 60  | 60   | 5.4 | 5.4 | 10.4 | 10.4 | 65  | 65  | 2.3 | 2.3 |
| <b>ARG30(K)-B</b> | 45            | 45  | 59   | 58.5 | 70  | 70   | 6.5 | 6.5 | 10.5 | 10.5 | 75  | 75  | 2.3 | 2.3 |
| <b>ARG40(K)-B</b> | 50            | 50  | 65.5 | 65.5 | 75  | 75.2 | 8.5 | 8.5 | 12.5 | 12.5 | 85  | 85  | 2.3 | 2.3 |

| [mm]              | Panel mount |      |      |      |      |      |      |      |     |     |
|-------------------|-------------|------|------|------|------|------|------|------|-----|-----|
|                   | V           |      | W    |      | X    |      | Y    |      | Z   |     |
| Model             | OLD         | NEW  | OLD  | NEW  | OLD  | NEW  | OLD  | NEW  | OLD | NEW |
| <b>ARG20(K)-B</b> | 38          | 37.7 | 39.5 | 39.5 | 52.5 | 52.5 | 19.5 | 19.5 | 6   | 6   |
| <b>ARG30(K)-B</b> | 50          | 50.1 | 50.5 | 50.5 | 65   | 65   | 25   | 25   | 7   | 7   |
| <b>ARG40(K)-B</b> | 54          | 53.7 | 55.5 | 55.5 | 70   | 70   | 27.5 | 27.5 | 7   | 7   |

 Difference in specifications

## Dimensions AWG

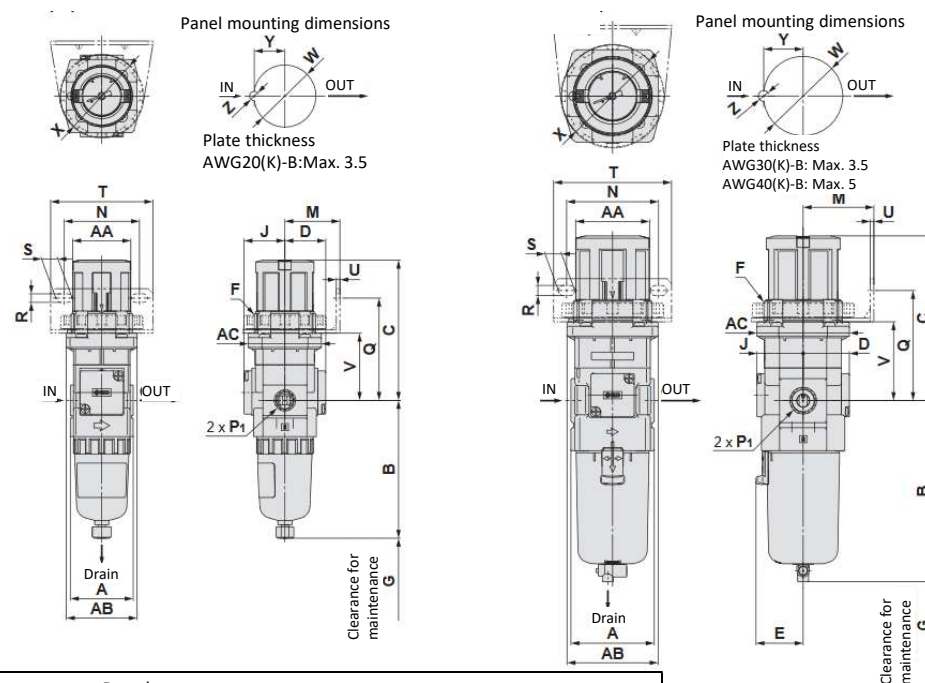


| [mm]              | P1  |     | A   |     | B   |       | C     |       | D    |      | AB  |      |
|-------------------|-----|-----|-----|-----|-----|-------|-------|-------|------|------|-----|------|
| Model             | OLD | NEW | OLD | NEW | OLD | NEW   | OLD   | NEW   | OLD  | NEW  | OLD | NEW  |
| <b>AWG20(K)-B</b> | 1/8 | 1/8 | 40  | 40  | 88  | 87.6  | 91    | 92.1  | 26   | 26   | 45  | 45   |
|                   | 1/4 | 1/4 |     |     |     |       |       |       |      |      |     |      |
| <b>AWG30(K)-B</b> | 1/4 | 1/4 | 53  | 53  | 115 | 115.1 | 108.5 | 108.2 | 29.5 | 29.4 | 58  | 30   |
|                   | 3/8 | 3/8 |     |     |     |       |       |       |      |      |     |      |
| <b>AWG40(K)-B</b> | 1/4 | 1/4 | 70  | 70  | 147 | 147.1 | 114.5 | 114.8 | 37.5 | 37.3 | 70  | 38.4 |
|                   | 3/8 | 3/8 |     |     |     |       |       |       |      |      |     |      |
|                   | 1/2 | 1/2 |     |     |     |       |       |       |      |      |     |      |

 Difference in specifications



## Dimensions AWG



| [mm]              | Panel mount |      |      |      |      |      |      |      |     |     |
|-------------------|-------------|------|------|------|------|------|------|------|-----|-----|
|                   | V           |      | W    |      | X    |      | Y    |      | Z   |     |
| Model             | OLD         | NEW  | OLD  | NEW  | OLD  | NEW  | OLD  | NEW  | OLD | NEW |
| <b>AWG20(K)-B</b> | 43          | 42.7 | 39.5 | 39.5 | 52.5 | 52.5 | 19.5 | 19.5 | 6   | 6   |
| <b>AWG30(K)-B</b> | 50          | 50.1 | 50.5 | 50.5 | 65   | 65   | 25   | 25   | 7   | 7   |
| <b>AWG40(K)-B</b> | 56          | 53.7 | 55.5 | 55.5 | 70   | 70   | 27.5 | 27.5 | 7   | 7   |

| [mm]              | Bracket mount |     |      |      |     |      |     |     |      |      |     |     |     |     |
|-------------------|---------------|-----|------|------|-----|------|-----|-----|------|------|-----|-----|-----|-----|
|                   | M             |     | N    |      | Q   |      | R   |     | S    |      | T   |     | U   |     |
| Model             | OLD           | NEW | OLD  | NEW  | OLD | NEW  | OLD | NEW | OLD  | NEW  | OLD | NEW | OLD | NEW |
| <b>AWG20(K)-B</b> | 35            | 35  | 48   | 48   | 60  | 65   | 5.4 | 5.4 | 10.4 | 10.4 | 65  | 65  | 2.3 | 2.3 |
| <b>AWG30(K)-B</b> | 45            | 45  | 58.5 | 58.5 | 70  | 70   | 6.5 | 6.5 | 10.5 | 10.5 | 75  | 75  | 2.3 | 2.3 |
| <b>AWG40(K)-B</b> | 50            | 50  | 65.5 | 65.5 | 77  | 75.2 | 8.5 | 8.5 | 12.5 | 12.5 | 85  | 85  | 2.3 | 2.3 |

Difference in specifications