



Filter/Regulator Outdoor series

BW7019 Series

Air filter/regulator integrated.

● Port size: Rc1/4

JIS symbol



Drain separator
F.R.L. unit

Pneumatic auxiliary
components

Pneumatic
valves

Fluid control
valves

Pneumatic
cylinders

Related
products

Safety
precautions

Specifications

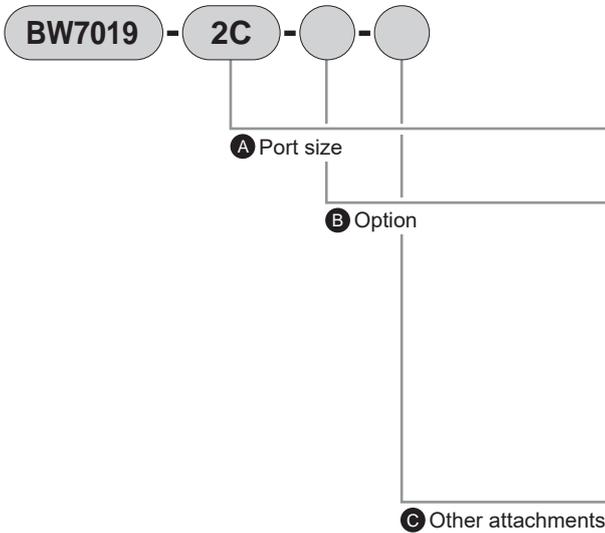
| Item | BW7019 | |
|-----------------------|-----------------------|----------------------------|
| Max. working pressure | MPa | 1.0 |
| Proof pressure | MPa | 1.5 |
| Fluid temperature | °C | -20 to 60 (no freezing) |
| Ambient temperature | °C | -20 to 60 |
| Filtration rating | µm | 5 |
| Set pressure | MPa | 0.04 to 0.83 |
| Pressure relief | With relief mechanism | |
| Port size | Rc | 1/4 |
| Weight | kg | 0.45 |

*1: When a piston drain "D" is used, min. working pressure is 0.1MPa.

Do not use this device on equipment that experiences impacts.

*2: When using the piston drain "D", be careful of freezing the drain.

How to order

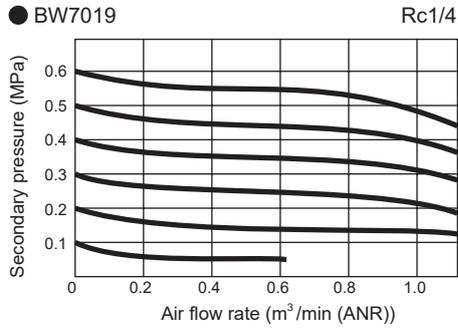


⚠ Precautions for model No. selection

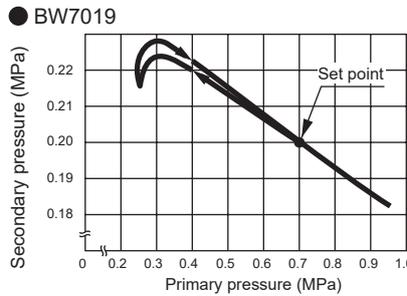
*1: The warranty period of option G is guaranteed for a period of three years from the date of delivery or for a period of one year from the start of use, whichever comes first.

*2: For option G, the specifications and drawings must be exchanged. Refer to page 98 for details.

Flow Rate Characteristics



Pressure characteristics



| Code | Description | |
|----------------------------|--------------|---|
| A Port size | | |
| 2C | Rc1/4 | |
| B Option | | |
| Drain discharge | Blank | Tire valve |
| | D | Piston drain |
| Element | Blank | 5 µm |
| guarantee period | Blank | 1 year after delivery |
| | G | 3 years after delivery (with inspection certificate, inspection guidelines, traceability system diagram) *1, *2 |
| Flow Direction | Blank | Standard flow (left → right) |
| | X1 | Reverse flow (right → left) |
| C Other attachments | | |
| | Blank | Not included |
| | GW49P | Pressure gauge (GW49D-6-P10) |
| | BW | Bracket (6506-W) |

Option weight

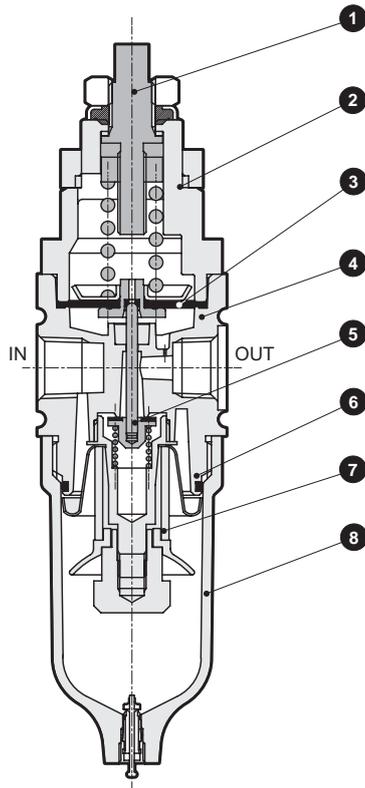
* Add to the weight of the standard accessories.

Unit: kg

| | Drain discharge | Pressure gauge | Bracket |
|--------|-----------------|----------------|---------|
| Code | D | GW49P | BW |
| BW7019 | 0 | 0.086 | 0.03 |

Internal structure and parts list

● BW7019

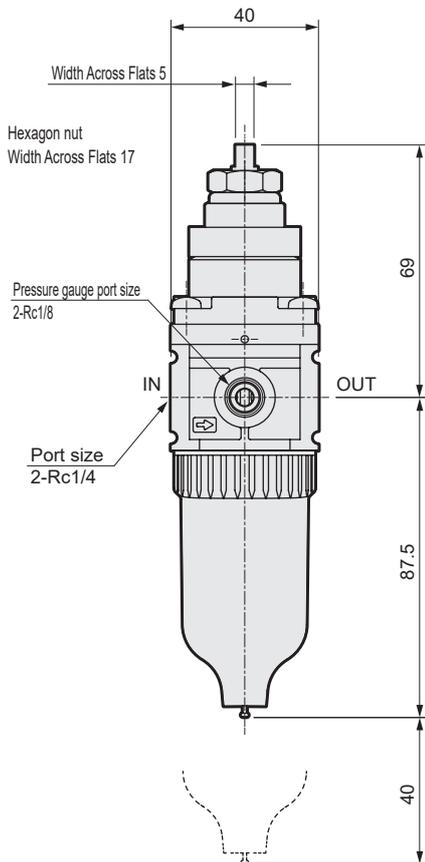


| No. | Part name | Material |
|-----|---------------------|--|
| 1 | Adjusting screw | Stainless steel |
| 2 | Cover | Zinc alloy die-casting, aluminum |
| 3 | Diaphragm assembly | Nitrile rubber, copper, zinc alloy die-casting |
| 4 | Body | Aluminum alloy die-casting |
| 5 | Valve assembly | Copper alloy/hydrogenated nitrile rubber |
| 6 | O-ring | Special nitrile rubber |
| 7 | Element | Polypropylene |
| 8 | Metal bowl assembly | Zinc alloy die-casting |

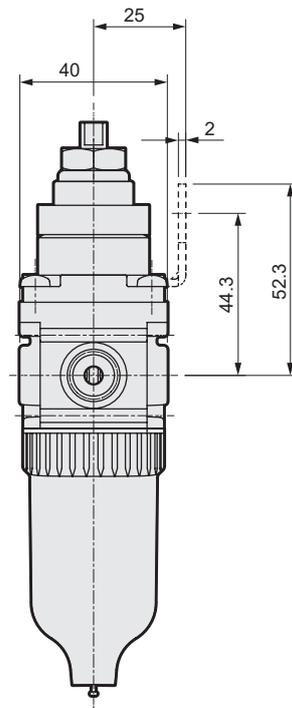
Dimensions



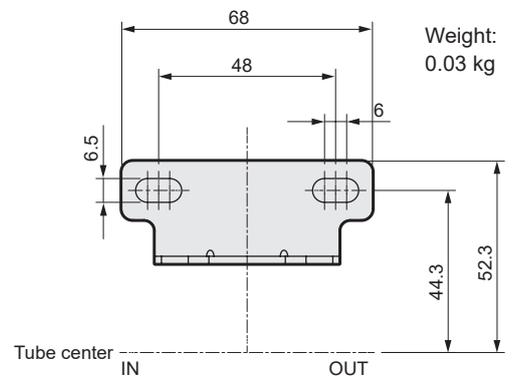
● BW7019



Maintenance dimensions



● Attachment
Bracket (-BW)
Part model No.: 6506-W



Drain separator
F.R.L. unit

Pneumatic auxiliary
components

Pneumatic
valves

Fluid control
valves

Pneumatic
cylinders

Related
products

Safety
precautions