

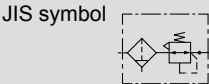
F.R.L.  
F.R.  
F (Filtr)  
R (Reg)  
L (Lub)  
Drain  
Separ  
Mech  
Press SW  
Res press  
exh valve  
SlowStart  
Anti-bac/Bac-  
remove Filt  
Film  
Resist FR  
Oil-ProhrR  
Med  
Press FR  
No Cu/  
PTFE FRL  
Outdris FRL  
Adapter  
Joiner  
Press  
Gauge  
CompFRL  
LgFRL  
PrecsR  
VacF/R  
Clean FR  
ElecPneur  
AirBoost  
Speed Ctrl  
Silncr  
CheckV/  
other  
Fit/Tube  
Nozzle  
Air Unit  
PrecsCompn  
Electro  
Press SW  
ContactSW  
AirSens  
PresSW  
Cool  
Air Flo  
Sens/Ctrl  
WaterRtSens  
TotAirSys  
(Total Air)  
TotAirSys  
(Gamma)  
Gas  
generator  
RefrDry  
DesicDry  
HiPolymDry  
MainFiltr  
Dischrg  
etc  
Ending



# Filter/regulator Outdoor Series

## BW7019 Series

Air filter/regulator integrated.  
● Port size: Rc1/4



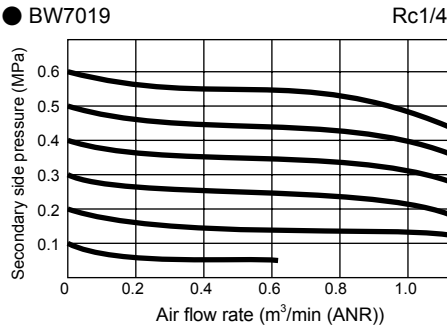
### Specifications

1 MPa ≈ 145.0 psi, 1 MPa = 10 bar

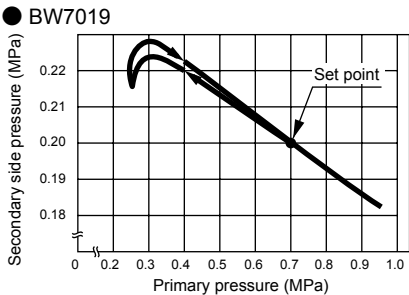
| Item                  | BW7019 |                                                |
|-----------------------|--------|------------------------------------------------|
| Max. working pressure | MPa    | 1.0 (≈145 psi, 10 bar)                         |
| Proof pressure        | MPa    | 1.5 (≈217 psi, 15 bar)                         |
| Fluid temperature     | °C     | 5 (41°F) to 60 (140°F)                         |
| Ambient temperature   | °C     | -10 (14°F) to 60 (140°F)<br>(no freezing)      |
| Filtration            | μm     | 5                                              |
| Set pressure          | MPa    | 0.04 (≈6 psi, 1 bar) to 0.83 (≈120 psi, 8 bar) |
| 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 0.1 MPa.  
Do not use this device on equipment that experiences impacts.

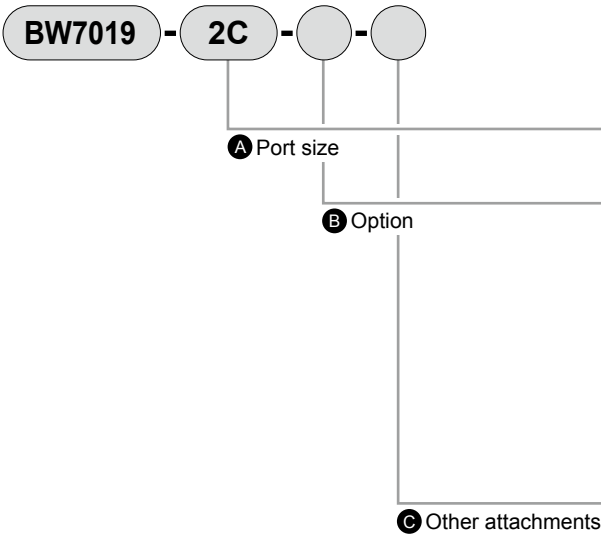
### Flow characteristics



### Pressure characteristics



### How to order



### ⚠ Precautions for model No. selection

- \*1: The warranty period of option G is 3 years from the date of delivery or 1 year from initial use, whichever comes first.  
\*2: For option G, the specifications and drawings must be agreed upon.

| Code                       |       | Description                                                                                                       |
|----------------------------|-------|-------------------------------------------------------------------------------------------------------------------|
| <b>A Port size</b>         |       |                                                                                                                   |
| <b>2C</b>                  |       | Rc1/4                                                                                                             |
| <b>B Option</b>            |       |                                                                                                                   |
| Drain discharge            | Blank | Tire valve                                                                                                        |
|                            | D     | Piston drain                                                                                                      |
| Element                    | Blank | 5 μm                                                                                                              |
| Warranty period            | Blank | 1 year after delivery                                                                                             |
|                            | G     | 3 years after delivery<br>(with inspection certificate, inspection guidelines, traceability system diagram) *1 *2 |
| Flow direction             | Blank | Standard flow (left → right)                                                                                      |
|                            | X1    | Reverse flow (right → left)                                                                                       |
| <b>C Other attachments</b> |       |                                                                                                                   |
|                            | 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

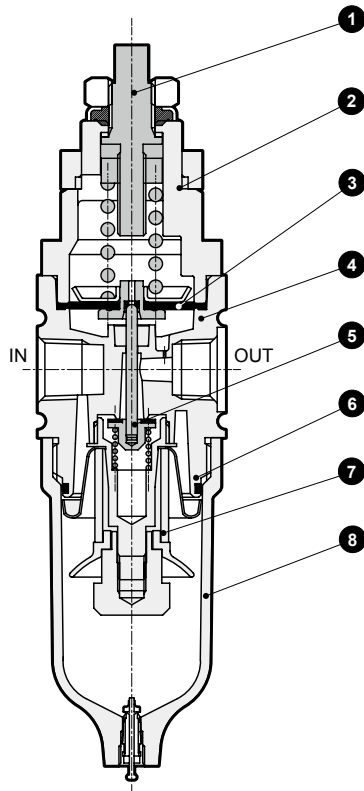
|        | Drain discharge | Pressure gauge | Bracket |
|--------|-----------------|----------------|---------|
| Code   | D               | G              | B       |
| BW7019 | 0               | 0.086          | 0.03    |

# Filter/Regulator series

## Internal structure and parts list/Dimensions

### Internal structure and parts list

● BW7019

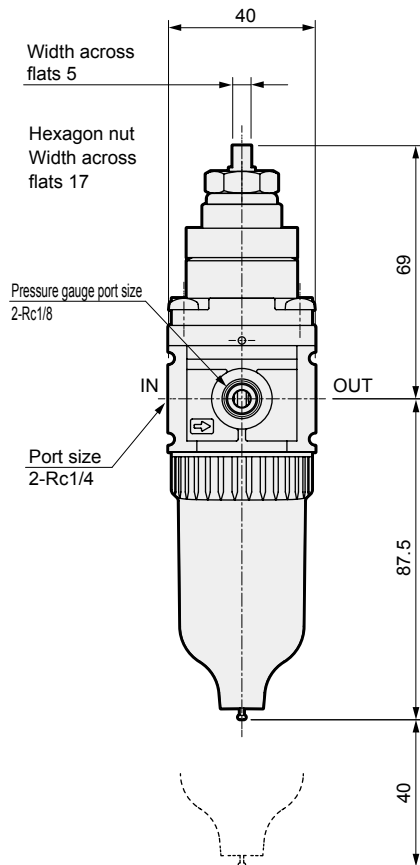


| No. | Part name           | Material                                       |
|-----|---------------------|------------------------------------------------|
| 1   | Adjusting screw     | Stainless steel                                |
| 2   | Cover               | Zinc alloy die-casting, aluminum               |
| 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                         |

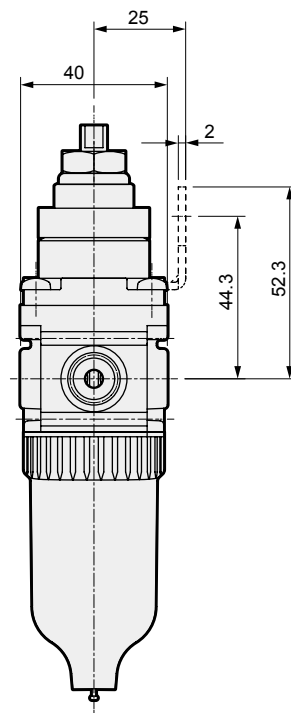
### Dimensions



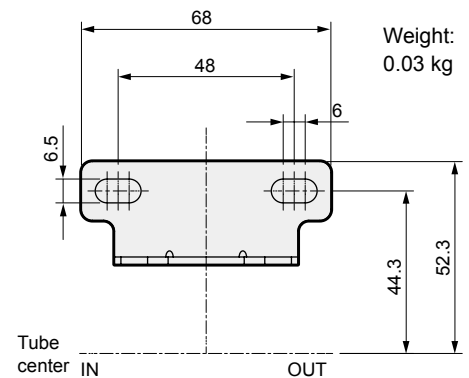
● BW7019



Maintenance dimensions



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



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Air Unit  
PresCompn  
Electro  
Press SW  
ContactSW  
AirSens  
PresSW  
Cool  
Air Flo  
Sens/Ctrl  
WaterRISens  
TotAirSys  
(Total Air)  
TotAirSys  
(Gamma)  
Gas  
generator  
RefrDry  
DesicDry  
HiPolymDry  
MainFiltr  
Dischrg  
etc  
Ending