B38 - 2★★ - ★★★★

Port 2....1/4"

Material 0....Aluminum with Nitrile elastomers

Diaphragm 1....Non-relieving
2....Relieving with wall bracket and panel nut
3....Non-relieving with wall bracket and panel nut
4....Relieving with panel nut
5....Non-relieving with panel nut

Drain B....Manual

Element 1.....5 μm
2 .....25 μm

Spring (Outlet Pressure Range) *
C....0,1 to 2 bar (1 to 30 psig)
F ....0,1 to 4 bar (1 to 60 psig)
K....0,3 to 7 bar (5 to 100 psig)

Thread Form A....PTF
B....ISO Rc
D....ISO G

TECHNICAL DATA
Fluid: Compressed air
Maximum pressure: 0 bar (300 psig)
Operating temperature: -40°C to +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).
Particle removal: 5 μm or 25 μm filter element
Air quality: Within ISO 8573.1 - Class 0 and Class 7 (particulates)
Typical flow with 7 bar (100 psi) inlet pressure, 1 bar (15 psi) set pressure and a droop of 0.05 bar (1 psig) from set: 8 dm³/s (17 scfm)
Maximum bleed flow at 2 bar (30 psi) outlet pressure (relieving models only): 1,5 cm³/s (0.003 scfm)
Gauge ports: 1/4" PTF for PTF ISO G for ISO Rc and ISO G
Materials:
Body, bonnet, bowl: Aluminum
Elements:
5 μm: Ceramic pyrolith
25 μm: High density polyethylene
Elastomers: Nitrile

SERVICE KITS
Regulator - items 4, 7, 8, 11, 16, 17:
Relieving, 2 bar spring ................................R38-100R
Relieving, 4 and 7 bar spring ..................R38-101R
Non-relieving, 2 bar spring ...............R38-100NR
Non-relieving, 4 and 7 bar spring .R38-101NR
Filter - items 8, 10, 11, 13, 14:
Filter, 5 μm element..............................B38-100A-5
Filter, 25 μm element.......................B38-100A-25

NOTE
Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

ADJUSTMENT
1. Before applying inlet pressure to filter/regulator, turn adjustment (1) counterclockwise to remove all force on regulating spring (6).
2. Apply inlet pressure, then turn adjustment (1) clockwise to increase and counterclockwise to decrease outlet pressure setting.
3. Always approach the desired pressure from a lower pressure. When reducing from a higher to a lower setting, first reduce to some pressure less than that desired, then bring up to the desired pressure.

WARNING
These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under Technical Data. If outlet pressure in excess of the regulator pressure setting could cause downstream equipment to rupture or malfunction, install a pressure relief device downstream of the regulator. The relief pressure and flow capacity of the relief device must satisfy system requirements.

The accuracy of the indication of pressure gauges can change, both during shipment (despite care in packaging) and during the service life. If a pressure gauge is to be used with these products and if inaccurate indications may be hazardous to personnel or property, the gauge should be calibrated before initial installation and at regular intervals during use.

Before using these products with fluids other than air, for non industrial applications, or for life-support systems consult Norgren.