DOMELOADED BACKPRESSURE REGULATOR BD(H)15

HIGH FLOW • BALANCED VALVE • COMPACT

MAIN FEATURES
• ss 316L
• balanced valve
• integral pilotregulator
• high accuracy due to large diaphragm
• wide flow range
• Cv 7,3
• bubble tight shut-off
• machined from bar stock materials
• large dome for improved stability
• shell design according to EN 12516
• delivery according to PED

CHARACTERISTICS
Max. pressure : 70 bar, 250 bar, 400 bar
Set pressure range : 0 – 70 bar, 0 – 250 bar
Seat diameter : 19 mm
Cv (Kv) : 7.3 (6.3)
Materials:
• Body, Dome, Trim : ss 316L
• Seat insert : BD15: elastomer
• BD(X)H15: pctfe, peek
• Seals, Diaphragm : elastomer
Connections:
• Line : 1½" bspp, npt
• Gauge-, Pilot ports : 2x ¼" bspp
• Dome : 2x ¼" bspp
• Flange size : DIN DN40, ANSI 1½”
Weight: : 10 kg (without flanges)
Temperature range : −20 to + 80°C

CLEANING
This regulator is ultrasonically cleaned and degreased. Oxygen cleaning based on ASTM-G93 Level C / CGA 4.1 is optional.

Do not use teflon tape or anaerobic sealing compounds on the pipe threads.

This is not a safety valve!

⚠️ Swagelok regulators are not “Safety Accessories” as defined in the Pressure Equipment Directive 97/23/EC:

⚠️ Do not use the regulator as a shut off device.
GAUGEPORTS
If gauges are required use gauge port(s) of pilot regulator.

ORDERING INFORMATION
example: BDHB15-02-NNK

<table>
<thead>
<tr>
<th>series / inlet</th>
<th>connection</th>
<th>flange facing</th>
<th>body material</th>
<th>o-rings</th>
<th>diaphragm</th>
<th>seat</th>
</tr>
</thead>
<tbody>
<tr>
<td>BD = 70 bar</td>
<td>B15 = 1½” bspp N15 = 1½” npt</td>
<td>(if flanges are ordered) 1= raised face smooth 3= RTJ</td>
<td>02 = ss316L</td>
<td>N = nitrile E = epdm V = viton</td>
<td>N = nitrile E = epdm V = viton</td>
<td>K = pctfe P = peek</td>
</tr>
<tr>
<td>BDH = 250 bar</td>
<td>FA15A = 1½” class 150 FA15B = 1½” class 300 FA15C = 1½” class 600 FA15E = 1½” class 1500 FA15F = 1½” class 2500</td>
<td>ANSI flanges*</td>
<td>FA15M = DN40 PN16 FA15N = DN40 PN40 FA15P = DN40 PN84</td>
<td>DIN flanges* FD15M = DN40 PN16 FD15N = DN40 PN40 FD15P = DN40 PN84 FD15S = DN40 PN250 FD15S = DN40 PN400</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Red text identifies an example ordering number

Safe Product Selection
When selecting a product, the total system design must be considered to ensure safe, trouble-free performance. Function, material compatibility, adequate ratings, proper installation, operation, and maintenance are the responsibilities of the system designer and user.