

High Flow/Low Pressure
maximum 500 PSIG in/0 - 250 PSIG out
spring loaded or dome loaded/high sensitivity

DH Series

Specifications

- ❑ **Operating Parameters**
 - pressure rating per criteria of ANSI/ASME B31.3
 - rated inlet pressure 500 PSIG (35 bar)
 - outlet pressure ranges . . 0-20, 0-50, 0-100, 0-150,
. . 0-250 PSIG (0-1.4, 0-3.5, 0-7, 0-10.3, 0-17 bar)
 - design proof pressure 150% of rated inlet
 - leakage bubble-tight
 - ambient operating -20° F to +165° F
(-28.8° C to +74° C)
 - flow capacity 1/2" (12.7 mm) ports $C_V = 3.5$
3/4" & 1" (19 & 25.4 mm) ports $C_V = 6.6$
- ❑ **Media Contact Materials**
 - body, bonnet, back cap 316 SST or brass
 - diaphragm Ethylene Propylene (E.P.)/
Nylon Reinforced, Gylon® (PTFE)
 - seat: main valve . . Buna-N, E.P., Chemraz®, Viton®
vent CTFE, Vespel®, Peek
 - o-rings Buna-N, E.P., Chemraz®, Viton®
 - remaining parts 300 Series SST, Nitronic 60

For other materials and modifications, please consult TESCOM.
- ❑ **Cleaning** CGA 4.1 and ASTM G93
- ❑ **Weight**
 - stainless steel 15 lbs. (6.8 kg)
 - brass 16 lbs. (7.2 kg)

Pressure Conversion 14.2 PSIG = 1 kg/cm² 145 PSIG = 1 MPa

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Gylon® is a registered trademark of Garlock, Inc.
Chemraz® is a registered trademark of Greentweed.*

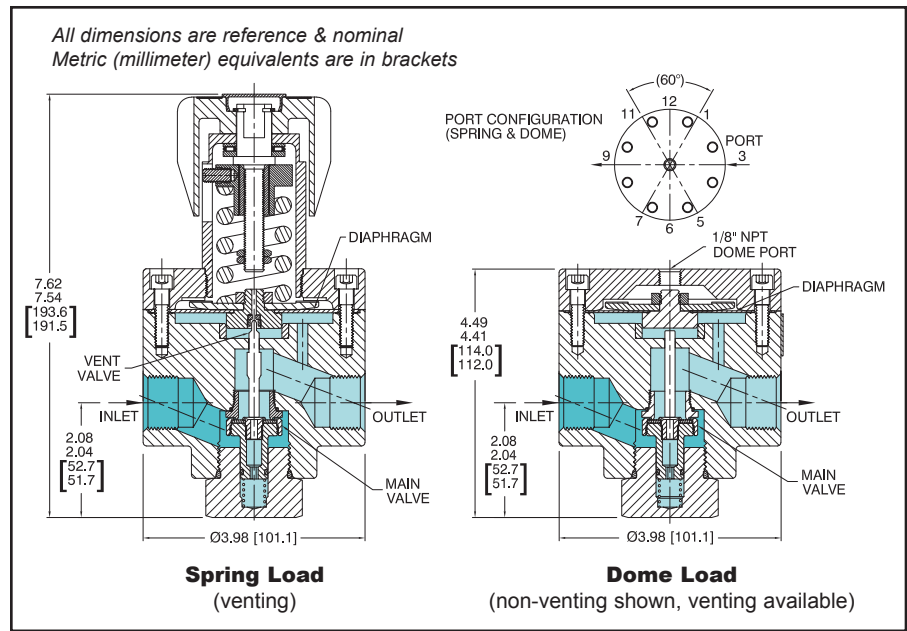
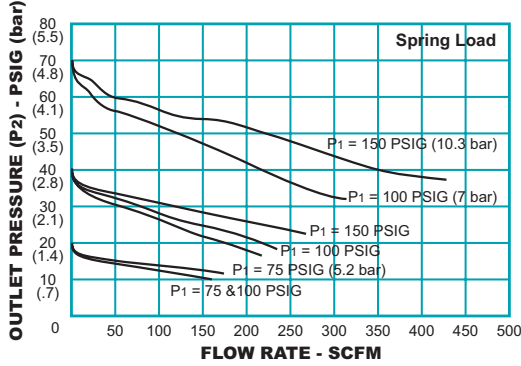
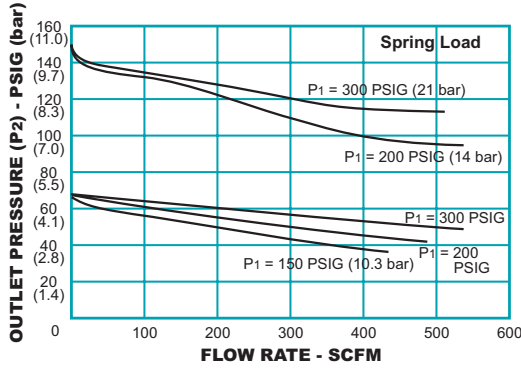


Advantages

- Available in 316 Stainless Steel or brass
- Accurately regulates pressure up to 250 PSIG (17 bar) for spring load, 300 PSIG (21 bar) for dome load and 500 PSIG (35 bar) for air load
- Five outlet pressure ranges
- Choice of spring load or dome load
- Low droop
- Panel mounting option

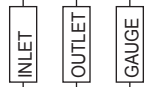
DH Series High Flow/Low Pressure

Flow Charts



FOR NONMETALLIC KIT
K I T N

FOR REPAIR KIT
K I T N



Part Number Selector

example part number:

BASIC SERIES	LOAD TYPE	BODY, BONNET, BACK-UP MATERIAL	OUTLET PRESSURE	O-RING & VALVE SEAT MATERIAL	DIAPHRAGM MATERIAL	VENT SEAT MATERIAL	OPTIONAL ITEMS	PORTING CONFIGURATION	INLET & OUTLET GAUGE PORTS C _v
DH	H – Spring Loaded, Handknob W – Spring Loaded, Wrench D – Dome Loaded (available with Gylon® diaphragm only)	1 – Brass 6 – 316 Stainless Steel	0 – 0-20 PSIG (0-1.4 bar) 1 – 0-50 PSIG (0-3.5 bar) 2 – 0-100 PSIG (0-7 bar) 3 – 0-150 PSIG (0-10.3 bar) 5 – 0-250 PSIG (0-17 bar) D – 0-300 PSIG (0-21 bar) (Dome Load only)	B – Buna-N o-ring Buna-N 90 seat E – E.P. o-ring E.P. 80 seat M – Chemraz® o-ring, Chemraz® 75 seat V – Viton®	E – E.P./Nylon Reinforced G – Gylon®	C – CTFE V – Vespel® P – Peek N – Non-Venting	C – CCL 9 – None		F – 1/4" (6.35 mm) Gauges only NPT H – 1/2" (12.7 mm) NPT C _v = 3.5 3 – 3/4" (19 mm) NPT C _v = 6.6 4 – 1" (24.4 mm) NPT C _v = 6.6 Y – 1/4" (6.35 mm) H.P.I.C. 9 – None

Repair Kits, Accessories & Modifications may be available for this product. Please contact TESCOM for more information.

WARNING! Do not attempt to select, install, use or maintain this product until you have read and fully understood the TESCOM Safety, Installation & Operation Precautions.

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