

Pressure Reducing Regulator with Flanges

spring loaded or dome loaded/high sensitivity
max. 40 bar in, max. 17 bar out

DHF Series

Specifications

Fluid media

Corrosive or non-corrosive gases or those requiring high purity regulation compatible with materials of construction. For other media, consult factory.

Operating Parameters

Inlet pressure max: 580 PSIG (40 bar)

Outlet pressure ranges:

..... 0 - 20 PSI (0 - 1.4 bar)

..... 0 - 50 PSI (0 - 3.5 bar)

..... 0 - 100 PSI (0 - 6.9 bar)

..... 0 - 150 PSI (0 - 10.3 bar)

..... 0 - 250 PSI (0 - 17.2 bar)

Design proof pressure:

..... 150% of rated pressure

Design burst pressure:

..... 400 % of rated pressure

Leakage:

Internal: Bubble tight

Flow capacity: Cv = 5

Operating Temperature: -20° F to +165° F
(-29° C to +74° C)

Media Contact Materials

Body, bonnet, back cap: 316 SST

Seat, main valve: See Part no. selector

O-ring: See Part no. selector

Seat, vent valve: See Part no. selector

Diaphragm: See Part no. selector

Remaining parts: 300 Series SST/Nitronic 60

For other materials and modifications, please consult Tescom.

Weight (approximately): 19 lbs (8.6 kg)

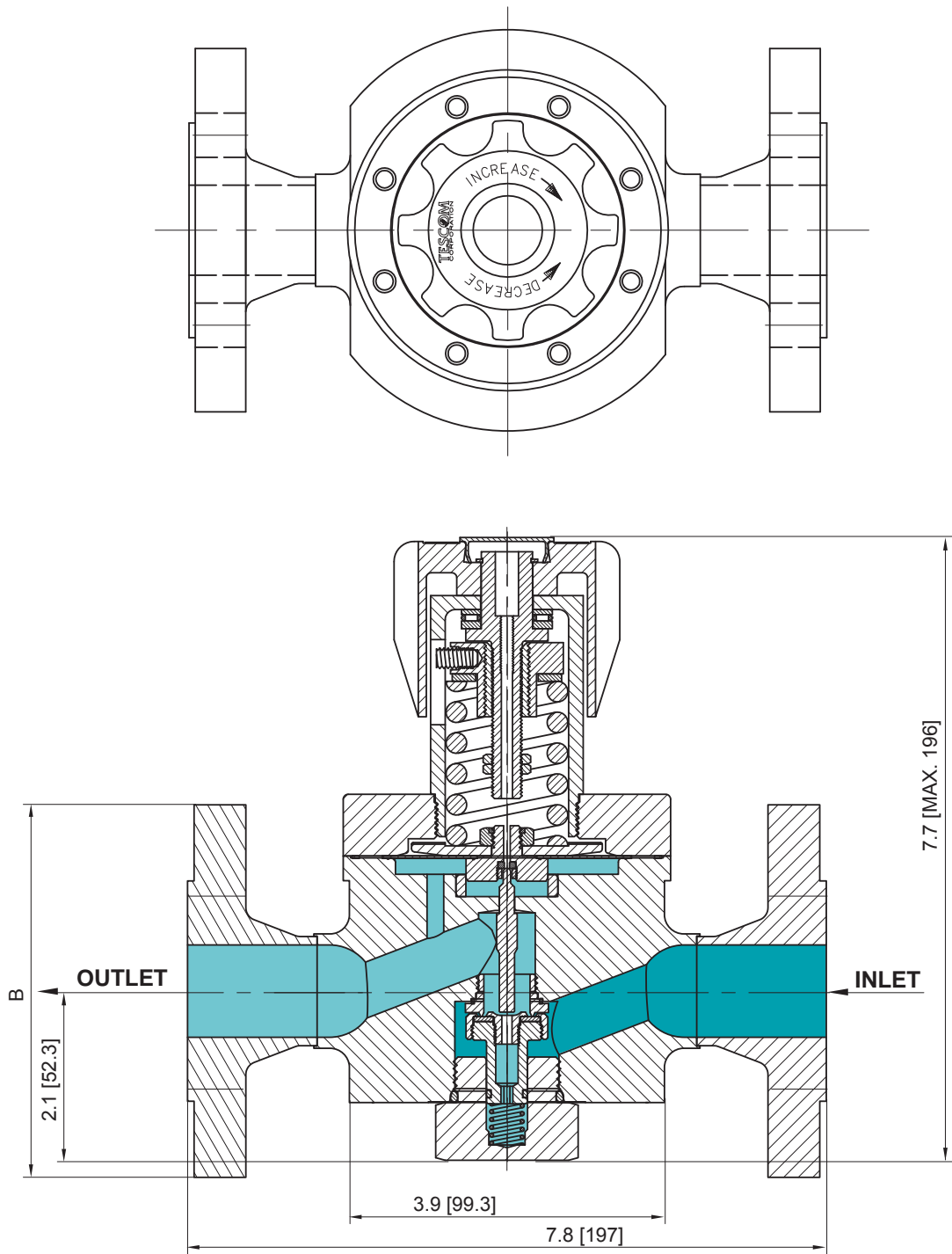


Advantages

- Flange connections according to DIN EN 1092-1 type 11 for easy line installation
- Face to face dimensions according to DIN EN 558, Row 38
- Precise pressure control up to 17 bar at very high flow rates
- High flow also below 1 bar outlet pressure
- Choice of spring load or dome load (e.g. remote control with ER3000 for lower droop)
- Gauge ports available
- Low droop at large flow

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All dimensions are reference & nominal
Metric (mm) equivalents are in brackets

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Part Number Selector

Example part number:

BASIC SERIES	LOAD TYPE	BODY & BONNET, BACK CAP MATERIAL	OUTLET PRESSURE PSIG (bar)	MATERIAL		OPTIONAL ITEMS	IN & OUT PORT TYPE	"B" ±.08" (±2 mm)	END FLANGE FACING	GAUGE PORT OPTIONS	
				O-RING	VALVE SEAT						
DHF	D - Dome loaded H - Spring loaded hand knob W - Spring loaded wrench	6 - 316 SST	0 - 0 - 20 (0 - 1.4) 1 - 0 - 50 (0 - 3.5) 2 - 0 - 100 (0 - 6.9) 3 - 0 - 150 (0 - 10.3) 4 - 0 - 250 (0 - 17.2)	E - E.P./Nylon reinforced G - Gylon®	B - Buna-N E - Ethylene Propylene M - Chemraz® V - Viton®	Buna-N 90 Ethylene Propylene 80 Chemraz® 75 Viton®	Y - FDA compliant soft goods 9 - none	M - DN25	4.52 (115)	B - form B - raised face D - form D - ring joint	A - none B - 1/4" NPT at 60° 1 x out 1 x in D - 1/4" NPT 1 x out

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

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Flow Charts

