Specifications

For other materials or modifications, please consult TESCOM.

OPERATING PARAMETERS

Pressure rating per criteria of ANSI/ASME B31.3

Maximum Inlet Pressure 10,000 psig / 690 bar 15,000 psig / 1034 bar

Maximum Outlet Pressure Up to 10,000 psig / 690 bar standard

Design Proof Pressure 150% maximum rated

Leakage Non Metal Seat: Bubble-tight Metal Seat: 2 drops/minute at 150 SUS at 2500 psig / 172 bar

Operating Temperature -15°F to 165°F / -26°C to 74°C

Flow Capacity C_V = 0.02, 0.06, 0.12

MEDIA CONTACT MATERIALS

Body

316 Stainless Steel

Seat, Vent and Main Valve 17-4 Stainless Steel, Vespel®

Back-up O-Rings See Part Number Selector

Remaining Parts 300 Series Stainless Steel, 17-4 Stainless Steel, and Nitronic 60

OTHER

Cleaning

CGA 4.1 and ASTM G93

Weight

5.5 lbs / 2.5 kg

Teflon®, Vespel®, and Viton® are registered trademarks of E.I. du Pont de Nemours and Company.

TESCOM 50-2000 Series pressure reducing regulator is specifically designed for extended life operation in high pressure hydraulic applications.

Applications

- Wellhead control panels
- Subsea valve actuation
- Chemical injection
- Hydraulic Power Units (HPU)

Features and Benefits

- New stem and seal design extends service life in crucial high pressure water-based hydraulic applications
- Specially designed seat and valve for excellent operation in hydraulic applications
- Segregated captured venting
- Tapered poppet design for better pressure control
- Higher pressure models are available



D50202005X012

TESCOM

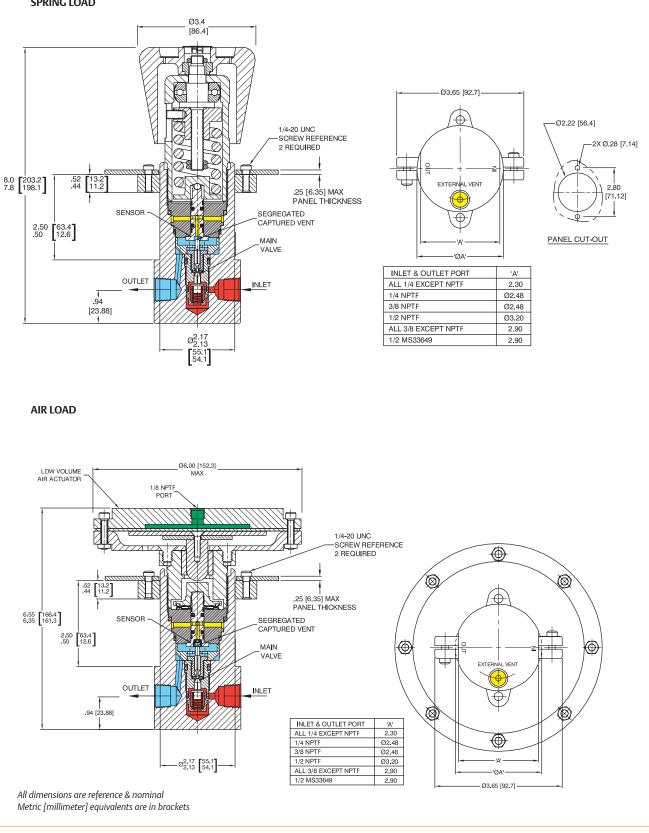
www.tescom.com

TESCON P POEL NO 300 DESIGNATION POEL NO 300

TESCOM

50-2000 Series Regulator Drawings

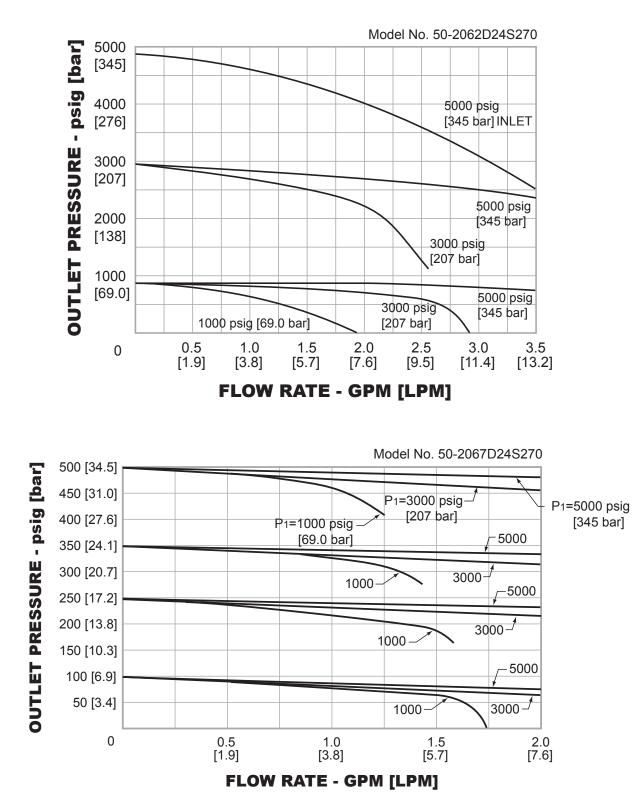






TESCOM

50-2000 Series Regulator Flow Charts



For more information on how to read flow curves, please refer to the Flow Curves and Calculations document (debul2007x012) in the TESCOM catalog or on www.tescom.com.

EMERSON

50-2000 Series Regulator Part Number Selector

i Learn more about common options. For modifications, repair kits and accessories, contact factory.

50-20	6	1	- D			2	4 S	1	7	0
BASIC SERIES	MAXIMUM INLET PRESSURE	OUTLET PRESSURE	SOFT GOODS MATERIAL			INLET AND	INLET AND		MAIN VALVE	GAUGE
			O-RING		BACK-UP RING	OUTLET PORT TYPE	OUTLET PORT	FLOW CAPACITY	SEAT AND VENT SEAT MATERIAL	PORT
			DYNAMIC	STATIC	KING	(VENT PORT)	SIZE		MATERIAL	
50-20	6 – 10,000 psig 690 bar 9 – 15,000 psig ¹ 1034 bar	 Spring Load 2 - 200-10,000 psig 1.3.8-690 bar 2 - 50-6000 psig 3.4-414 bar 3 - 25-4000 psig 1.7-276 bar 4 - 15-2500 psig 0.69-103 bar 5 - 10-1500 psig 0.35-55.2 bar 7 - 5-500 psig 0.35-34.5 bar 2 - 50-6000 psig 3.4-414 bar 4 - 15-2500 psig 1.0-172 bar 5 - 10-1500 psig 0.69-103 bar 	Z – Ethylene Propylene 1. 15,000 2. Not av 3. Not av 4. Not av	ailable in high ailable for me	n or medium tal seated m 5,000 psig /	, nodels. ' 1034 bar inlet wit			5 – 17-4 Stainless Steel 7 – Vespel®	 None None 1 - 1 outlet gauge at 90° 2 - 2 gauge ports at 60° 3 - 2 gauge ports at 60° (left han inlet) 4 - 2 gauge ports at 90° 5 - 1 gauge port at 90° (left han inlet)

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

D50202005X012 © 2015, 2017 Emerson Process Management Regulator Technologies, Inc. All rights reserved. 08/2017. Tescom, Emerson Process Management, and the Emerson Process Management design are marks of one of the Emerson Process Management group of companies. All other marks are the property of their respective owners.



www.tescom.com

小