56-2000 Series

Regulators - Pressure Reducing

D56202089X012

Specifications

For other materials or modifications, please consult TESCOM.

OPERATING PARAMETERS

Pressure rating per criteria of ANSI/ASME B31.3

Maximum Inlet Pressure
15,000 psig / 1034 bar

Maximum Outlet Pressure
200-15,000 psig / 13.8-1034 bar
(non-adjustable spring bias pressure: 175-200 psig / 12-13.8 bar)

Design Proof Pressure
150% maximum rated

Leakage
Bubble-tight

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

Flow Capacity
C_V = 0.06
C_V = 0.12

MEDIA CONTACT MATERIALS

Body
17-4 Stainless Steel

Seat, Main Valve
Vespel® SP1

O-Ring
Buna-N

Back-up Ring
CTFE

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

OTHER

Cleaning
CGA 4.1 and ASTM G93

Weight (approximate)
13 lbs / 5.9 kg

Vespel® is a registered trademark of E.I. du Pont de Nemours and Company.

Features and Benefits

- Accurate and consistent setpoint control reduces the risk of flow assurance issues from over and under injection
- High-quality piston-sensed regulators for longevity in offshore applications reduce maintenance costs and unplanned downtime
- Alternative options for full automation of injection rate control with the addition of the ER5000

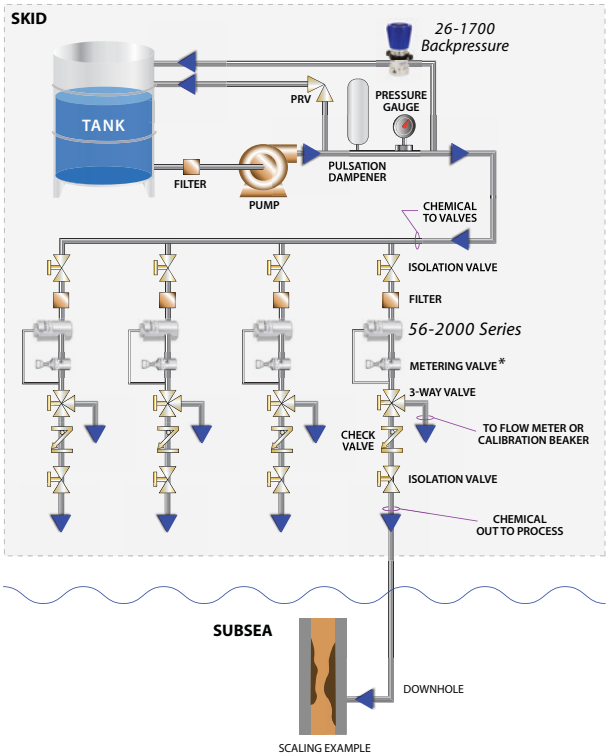
* *The 56-2000 requires a metering valve installed downstream to adjust the chemical injection rate (see diagram).*

TESCOM 56-2000 Series provides accurate pressure control that allows customers to have consistent injection rates over the life of the well.

Applications

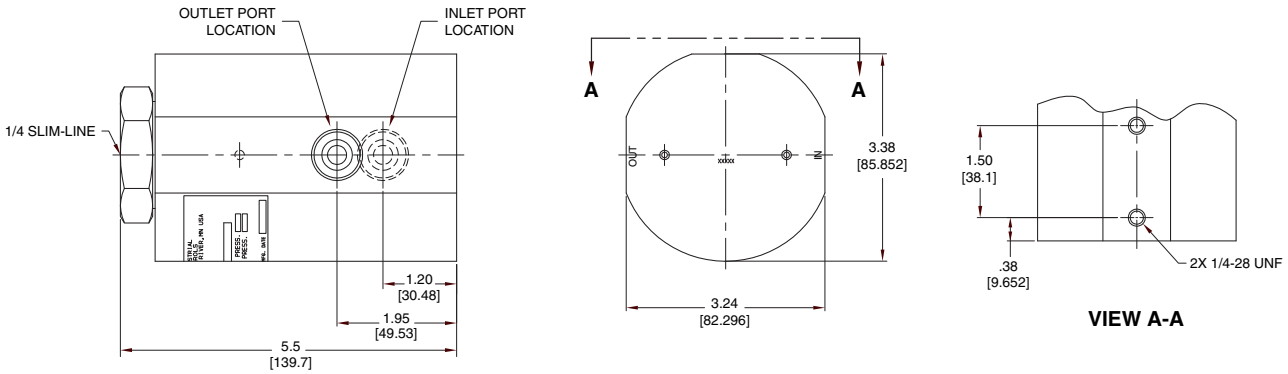
- Offshore Chemical Injection

Typical Scaling Application



SCALING EXAMPLE

56-2000 Series Regulator Drawing



All dimensions are reference & nominal
Metric [millimeter] equivalents are in brackets

56-2000 Series Regulator Part Number Selector

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

Example for selecting a part number:

Dome Load

56-20	8	0	D			6	9	D	2	7	0
BASIC SERIES	MAXIMUM INLET PRESSURE [1] (BODY MATERIAL)	MAXIMUM OUTLET PRESSURE / SPRING BIAS PRESSURE	SOFT GOODS MATERIAL: DYNAMIC ROTO-SEALS	SOFT GOODS MATERIAL: STATIC O-RINGS	SOFT GOODS MATERIAL: BACK-UP RINGS	INLET AND OUTLET PORT TYPE	INLET AND OUTLET PORT SIZE	FLOW CAPACITY		MAIN VALVE AND VENT SEAT	GAUGE PORT OPTIONS
56-20	**8 –** 15,000 psig 1034 bar (17-4 SST) **N –** 15,000 psig 1034 bar (Nitronic 60)	**0 –** 200-15,000 psig 13.8-1034 bar 175-200 psig 12-13.8 bar	**D –** Buna-N	Buna-N	CTFE	**6 –** Medium Pressure	**9 –** 9/16"	**2 –** C_V = 0.06 **3 –** C_V = 0.12		**7 –** Vespel® SP1	**0 –** No gauge ports

1. Pressure at which regulator is used must be compatible with the pressure rating of the regulator and port size/type provided.

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.*

EMERSON Process Management

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