

## Specifications

For other materials or modifications, please consult TESCO.

### OPERATING PARAMETERS

Pressure rating per criteria of ANSI/ASME B31.3

#### Maximum Inlet Pressure

5000 psig / 345 bar

#### Outlet Pressure Ranges

50-1500, 200-5000 psig / 3.4-103, 13.8-345 bar

#### Design Proof Pressure

150% maximum rated

#### Leakage (maximum)

2 drops/min at 150 S.U.S. at 2500 psig / 172 bar

#### Operating Temperature<sup>1</sup>

0°F to 165°F / -17°C to 74°C

#### Flow Capacity

**Main Valve:**  $C_v = 8.0$

**Vent Valve:**  $C_v = 6.5$

### MEDIA CONTACT MATERIALS

#### Body

303 Stainless Steel

#### Seat, Poppet, Sensor

17-4 PH Stainless Steel

#### O-Ring

Nitrile, Buna-N, FKM (Viton®-A), Ethylene Propylene, FFKM, Perfluoroelastomer (Kalrez®)

#### Back-up Rings

PTFE

#### Remaining Parts

300 Series Stainless Steel

### OTHER

#### Cleaning

CGA 4.1 and ASTM G93

#### Weight

35 lbs / 15.9 kg

<sup>1</sup> For extended temperatures up to 350°F / 177°C, consult TESCO. Teflon®, Viton® and Kalrez® are registered trademarks of E.I du Pont de Nemours and Company.



TESCOM 54-2800 Series high pressure, high flow, pressure reducing regulator is designed for hydraulic applications. Inlet and outlet rated up to 5000 psig / 345 bar;  $C_v = 8.0$  for high flows. Air operated and dome loaded versions are available. Hardened Stainless Steel seat and poppet for excellent wear resistance.

### Applications

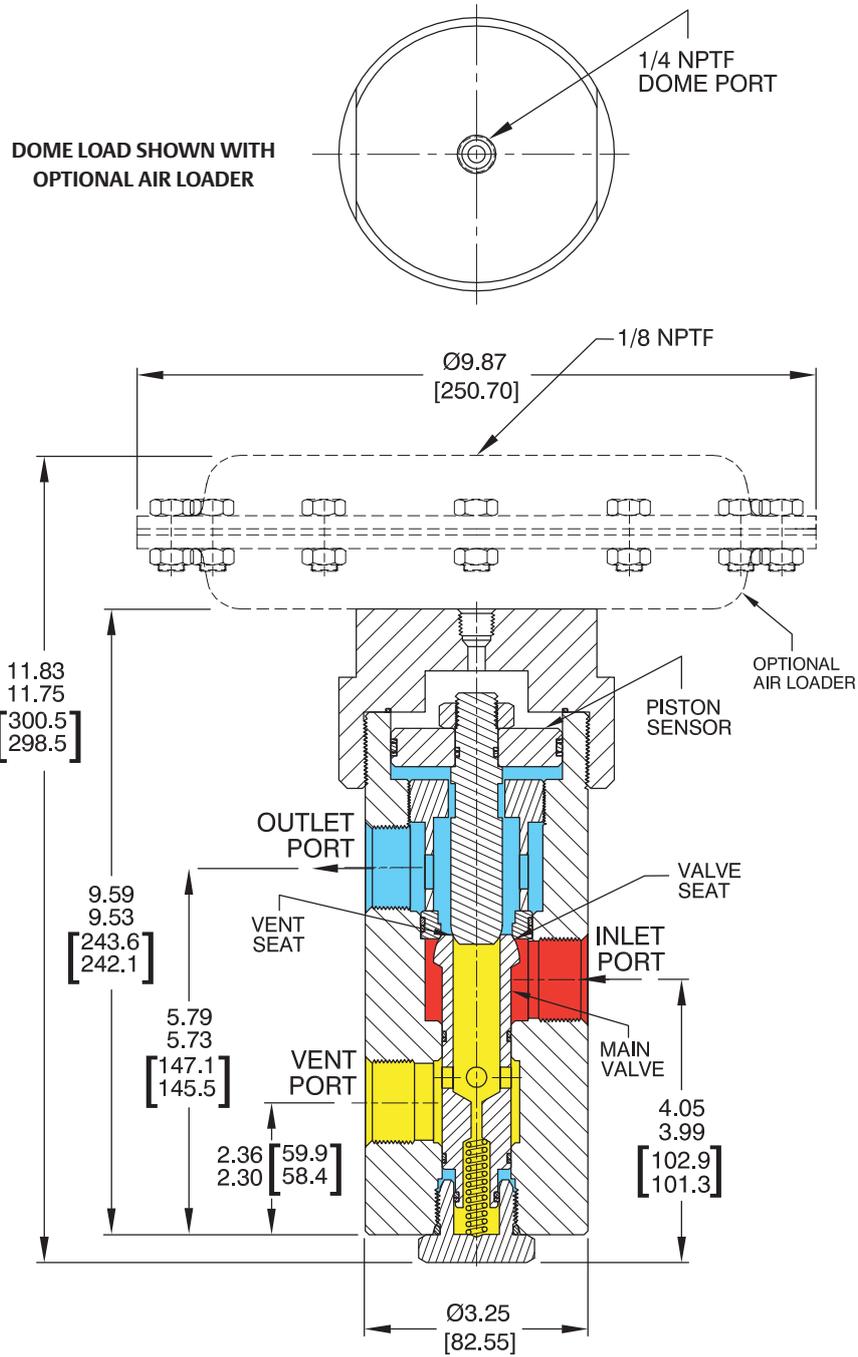
- Hydraulically operated blowout preventers (BOP)
- Hydraulic component testing

### Features and Benefits

- High flow and compact design
- Hardened 17-4 PH Stainless Steel seat and poppet provides excellent protection against shock and erosion
- Utilizes a piston style sensor, balanced main valve poppet and a non-adjustable vent

# 54-2800 SERIES

## 54-2800 Series Regulator Drawing

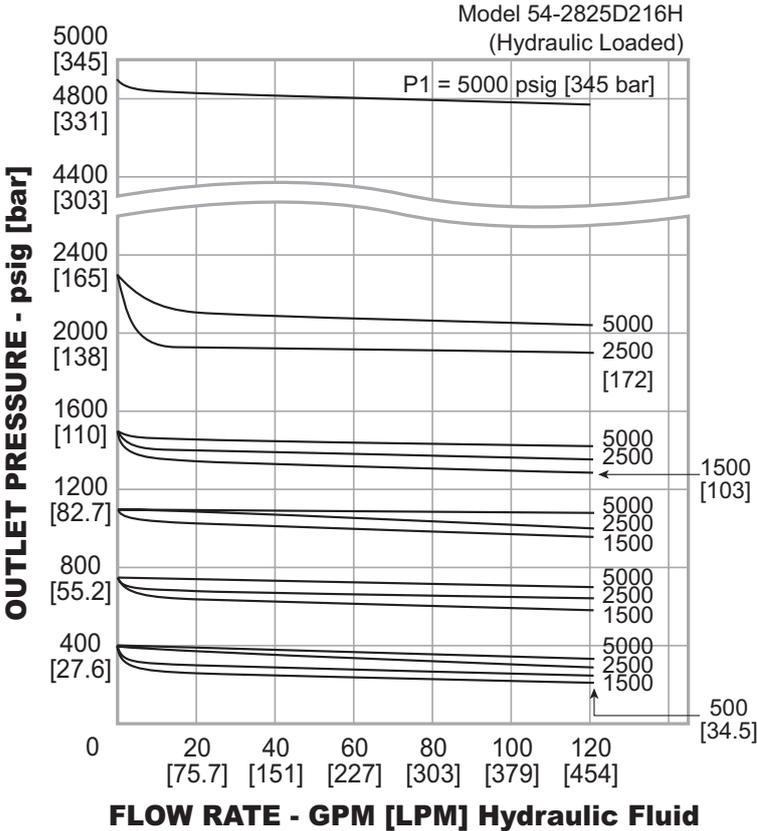


All dimensions are reference & nominal  
Metric [millimeter] equivalents are in brackets

54-2800 Series Regulator Flow Chart

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

PRESSURE REDUCING



# 54-2800 SERIES

## 54-2800 Series Regulator Part Number Selector



**Learn more about common options.**

For modifications, repair kits and accessories, contact factory.

Example for selecting a part number:

BASIC SERIES	BODY MATERIAL	OUTLET PRESSURE RANGES	O-RING MATERIAL		PORT TYPE	PORT SIZE	NUMBER OF PORTS	LOADING
			DYNAMIC	STATIC				
			54-28	2 – 303 Stainless Steel				

2. Ratio is for reference only.  
3. Air load only.