#### DDHXX1910X012

### Specifications

For other materials or modifications, please consult TESCOM.

#### **OPERATING PARAMETERS** *Pressure rating per criteria of ANSI/ASME B31.3*

Maximum Inlet Pressure 500 psig / 34.5 bar

**Outlet Pressure Ranges** 0-20, 0-50, 0-100, 0-150, 0-250 psig 0-1.4, 0-3.4, 0-6.9, 0-10.3, 0-17.2 bar

**Design Proof Pressure** 150% of rated inlet

Leakage Bubble-tight

Ambient Operating Temperature -4°F to 165°F / -20°C to 74°C

Flow Capacity  $C_v = 5.0$ 

#### MEDIA CONTACT MATERIALS

### Body, Bonnet, Back-cap

316 Stainless Steel or Brass

Diaphragm

Ethylene Propylene (E.P.) or Nylon Reinforced, Gylon<sup>®</sup> (PTFE) **Seat** 

Main Valve: Buna-N, E.P., Chemraz<sup>®</sup>, Viton<sup>®</sup> Vent: CTFE, Vespel<sup>®</sup>

**O-Rings** Buna-N, E.P., Chemraz<sup>®</sup>, Viton<sup>®</sup>

Remaining Parts 300 Series Stainless Steel, Nitronic 60

#### OTHER

Cleaning

CGA 4.1 and ASTM G93

Weight Stainless Steel: 15 lbs / 6.8 kg Brass: 16 lbs / 7.3 kg

Vespel<sup>®</sup> and Viton<sup>®</sup> are registered trademarks of E.I. du Pont de Nemours and Company. Gylon<sup>®</sup> is a registered trademark of Garlock, Inc.

Chemraz<sup>®</sup> is a registered trademark of Greentweed.





DOME LOADED

SPRING LOADED

TESCOM DH-Series single-stage regulator provides a compact size with high flow capability from 5-200 SCFM / 142-5663 SLPM. The large diaphragm and balanced main valve design provide low droop (larger usable flow range) than competitive designs. Available in spring or dome loaded configurations.

### Applications

- Purging, blanketing, high flow inerting, heat treating, and shielding gases
- Performs well at very low pressure differentials such as dewar-supplied processes
- Multi-drop breathing air stations

## **Features and Benefits**

- Available in 316 Stainless Steel or Brass
- Accurately regulates pressure up to 250 psig / 17.2 bar for spring load, 300 psig / 20.7 bar for dome load and 500 psig / 34.5 bar for air load (optional)
- Five outlet pressure ranges
- Choice of spring load or dome load (air load is optional)
- Low droop
- Panel mounting is available

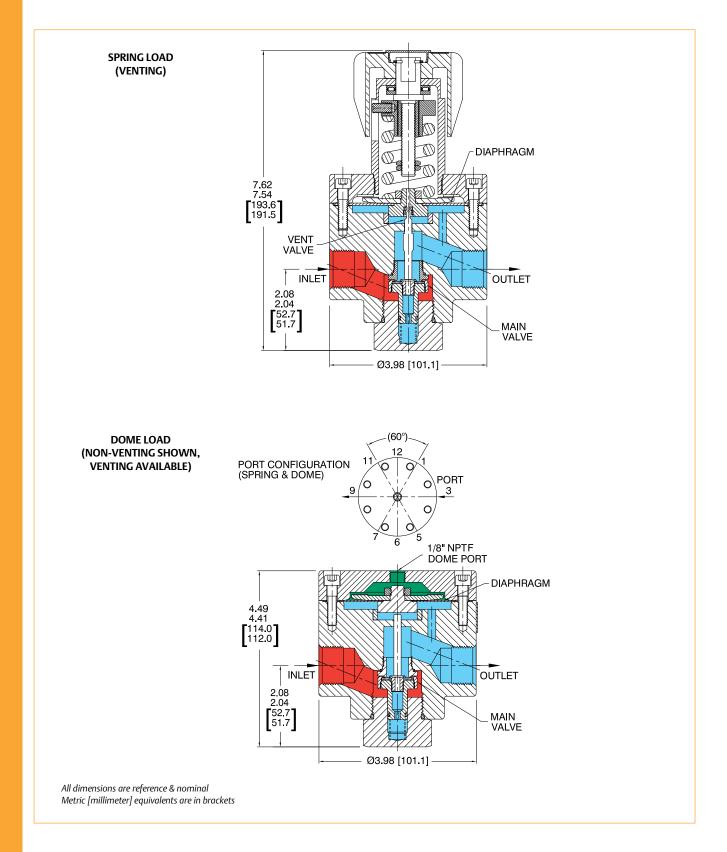






## **TESC**ØM

## **DH Series Regulator Drawings**

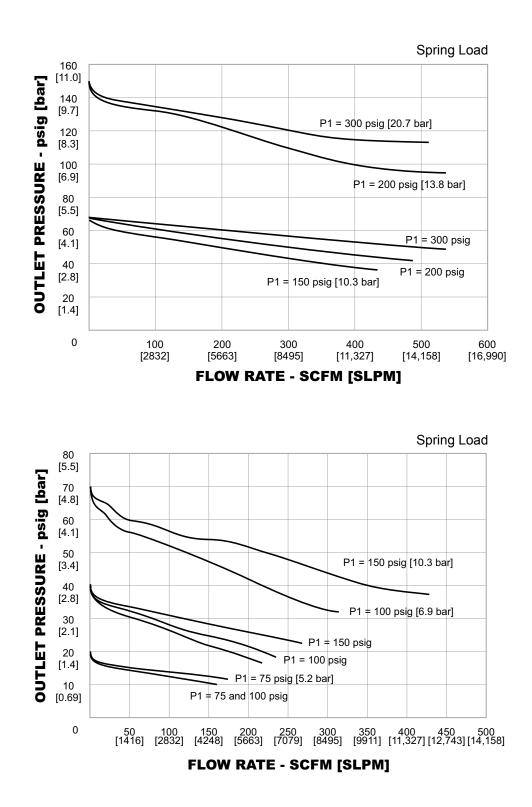




## TESC@M<sup>®</sup>

## **DH Series Regulator Flow Charts**

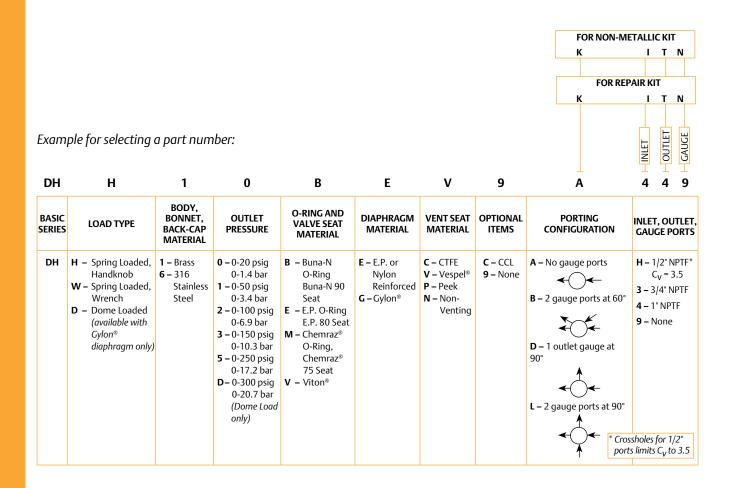
For more information on how to read flow curves, please refer to the Flow Curves and Calculations document (debul2007x012) in the TESCOM catalog or on www.tescom.com.



# TESCØM

## **DH Series Regulator Part Number Selector**

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 and Operation Precautions.

DDHXX1910X012 © 2012 Emerson Process Management Regulator Technologies, Inc. All rights reserved. 05/2012. 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