

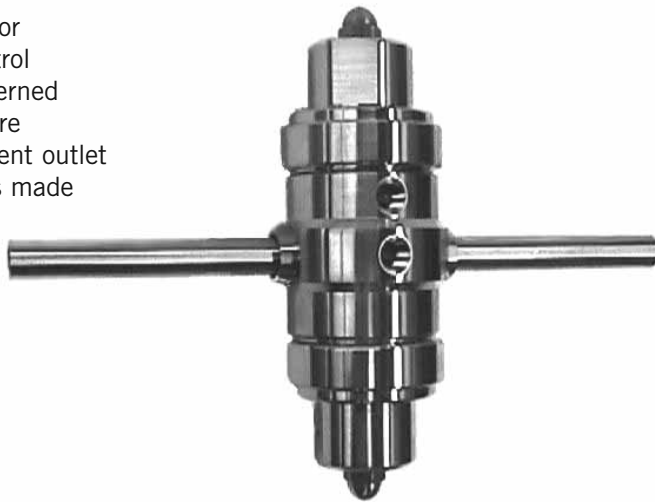
DH2 Series

Steam Heated Dual Pressure Regulators

Introduction

The Dual Heated Pressure Regulator is designed to supply heat to samples entering instrumentation systems. It can be used to preheat liquids, to prevent condensation of gases or to vaporize liquids prior to gas analysis. Significant space savings can be realized due to the utilization of two discrete regulators that are heated by a common source.

The modular design of the Dual Heated Regulator consists of a heating element and pressure control sections. The pressure control sections are patterned after the time-proven design of the PR-1 pressure reducing regulator and provides the same excellent outlet pressure stability. The heat exchanger section is made up a body and a heating element.



pressure regulators

Typical Applications

Analytical process sample conditioning systems:

- Petrochemical refineries
- Chemical production facilities
- Pilot plants (chemical & petrochemical)
- LNG loading and off-loading points
- Natural gas pipeline sampling

Technical Data

CONSTRUCTION	316L stainless steel
OUTLET PRESSURES	0-10, 0-25, 0-50, 0-100, 0-250, 0-500, 0-750, and 0-1000 psig
OPERATING TEMPERATURE	up to 500° F (260° C)
C_v COEFFICIENTS	0.06, 0.025, 0.2

Features & Benefits

- Optional HASTELLOY® C-276 and MONEL®
- Electropolished body with better than 25 Ra finish in diaphragm cavity for an optimal sealing surface
- Bubble-tight shutoff
- Modular pressure control and heat exchanger assemblies for easy maintenance
- INCONEL® diaphragm standard

DH2 Series

To Order, contact your local Distributor Link below:
www.goreg.com/distributor/index.htm

Verify that your chosen part number is valid using the GO Wizards at
www.goreg.com/products/matrix/index.htm

How to Order

Standard items in bold

Regulator A *Regulator B*

DH2 – 1 A 1 H 3 J 1 Q 3 E 1 5 5 5 5 5

BODY MATERIAL

1 316L stainless steel, stainless steel diaphragm

4 MONEL®, INCONEL® diaphragm

6 HASTELLOY® C, INCONEL® diaphragm

C 316L stainless steel INCONEL® diaphragm

PORT CONFIGURATION

A Standard Body "A" (One inlet port and one outlet port on each side.
For more configurations, see pages 49-51

PROCESS PORT TYPE

0 1/8" FNPT (ALL PORTS)

1 1/4" FNPT (ALL PORTS)

SEAT MATERIAL (REGULATOR A)

A Tefzel®

B CF PTFE

H PCTFE

Q PEEK™

FLOW COEFFICIENT (REGULATOR A)

C **0.025**

3 **0.06**

5 **0.2**

OUTLET RANGE (REGULATOR A)

C 0–10 psig

D 0–25 psig

E 0–50 psig

G 0–100 psig

I 0–250 psig

J 0–500 psig

K 0–1000 psig, BP-6 Top Works Only

W 0–750 psig

CAP ASSEMBLY (REGULATOR A)

1 **Tamper-proof, stainless steel**

4 Tamper-proof, panel mount, stainless steel

7 Tamper-proof, captured vent, stainless steel

L T-handle, stainless steel, BP-6 Top Works

SEAT MATERIAL (REGULATOR B)

A Tefzel®

B CF PTFE

H PCTFE

Q PEEK™

FLOW COEFFICIENT (REGULATOR B)

C **0.025**

3 **0.06**

5 **0.2**

OPTIONS

B EB-5 Cleaning

D Helium Leak Test

E Pressure Test Certificate

F Certificate of Conformity

G CMTR

VOLTAGE

5 Steam

THERMISTOR TYPE

5 Steam

CONTROLLER TYPE

5 Steam

HEATER WATTAGE

5 Steam

TEMPERATURE RANGE

5 Steam

CAP ASSEMBLY (REGULATOR B)

1 **Tamper-proof, stainless steel**

4 Tamper-proof, panel mount, stainless steel

7 Tamper-proof, captured vent, stainless steel

L T-handle, stainless steel, BP-6 Top Works

OUTPUT RANGE (REGULATOR B)

C 0–10 psig

D 0–25 psig

E 0–50 psig

G 0–100 psig

I 0–250 psig

J 0–500 psig

K 0–1000 psig, BP-6 Top Works Only

W 0–750 psig

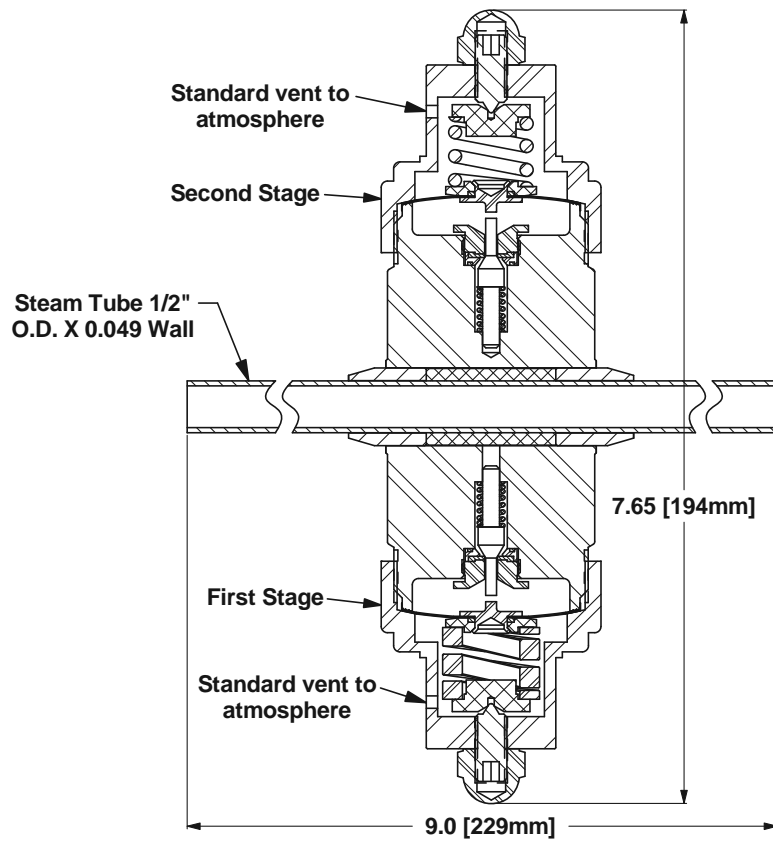
NOTE: Contact the factory for any additional requirements.

Maximum Temperature & Operating Inlet Pressures

SEAT MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM OPERATING INLET PRESSURE
Tefzel®	Up to 380° F (193° C)	@	400 psig (2.76 MPa)
CF PTFE & PCTFE	(148° C to 193° C)	@	400 psig (2.76 MPa)
PEEK™	Up to 380° F (193° C)	@	6000 psig (41.37 MPa)

DH2 Series

Outline and Mounting Dimensions



Panel Mount Option requires
Ø 1.390" (35.3mm) minimum
diameter panel cut-out

Weight: 5.6 lbs (2.5 kg)

