GOREGULATOR, INC.

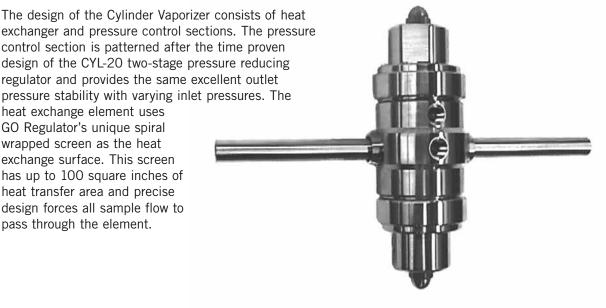
CV2 Series Cylinder Vaporizer

Steam Heated Two-stage Pressure Regulators

Introduction

The Cylinder Vaporizer Series 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.

exchanger and pressure control sections. The pressure control section is patterned after the time proven design of the CYL-20 two-stage pressure reducing regulator and provides the same excellent outlet pressure stability with varying inlet pressures. The heat exchange element uses GO Regulator's unique spiral wrapped screen as the heat exchange surface. This screen has up to 100 square inches of heat transfer area and precise design forces all sample flow to pass through the element.



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 0-10, 0-25, 0-50, 0-100, 0-250, and 0-500 psig		
OUTLET PRESSURES			
OPERATING TEMPERATURE	up to 500° F (260° C) 0.06, 0.025, 0.2		
C _V COEFFICIENTS			

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
- Unique spiral wrapped heat exchange element provides up to 100 square inches of heat transfer area.
- INCONEL® diaphragm standard

CV2 Series Cylinder Vaporizer

How to Order

Standard items in bold

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

1st Stage 2nd Stage Q 3 G **BODY MATERIAL OPTIONS** 316L stainless steel, В EB-5 cleaning stainless steel diaphragm D Helium Leak Test MONEL®, INCONEL® Ε Pressure Test Certificate F Certificate of Conformity diaphragm G **CMTR** HASTELLOY® C, 6 INCONEL® diaphragm **VOLTAGE** C 316L stainless steel, 5 Steam INCONEL® diaphragm THERMISTOR TYPE **PORT CONFIGURATION -**5 Steam Standard Body "A" (One inlet **CONTROLLER TYPE** Port and One Outlet Port) 5 Steam For more configurations, **HEATER WATTAGE** see pages 47-48 5 Steam PROCESS PORT TYPE TEMPERATURE RANGE U 1/8" FNPT Steam 5 1/4" FNPT 1 CAP ASSEMBLY (2ND STAGE) **SEAT MATERIAL (1ST STAGE)** Tamper-proof, stainless Tefzel® Α steel **CF PTFE** В Tamper-proof, panel Н **PCTFE** mount, stainless steel Q PEEK™ Tamper-proof, captured vent, stainless steel FLOW COEFFICIENT (CV) (1ST STAGE) **OUTPUT RANGE (2ND STAGE)** C 0.025 0-10 psig 3 0.06 0-25 psig 5 0.2 0-50 psig CAP ASSEMBLY (1ST STAGE) 0-100 psig 1 Tamper-proof, stainless steel 0-250 psig Tamper-proof, panel mount, stainless steel 0-500 psig Tamper-proof, captured vent, stainless steel SEAT MATERIAL (2ND STAGE) -Tefzel® Α CF PTFE В Н **PCTFE** PEEK™ FLOW COEFFICIENT (CV) (2ND STAGE) -C 0.025

NOTE: Contact the factory for any additional requirements.

Maximum Temperature & Operating Inlet Pressures

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

3

5

0.06

0.2

CV2 Series Cylinder Vaporizer

Outline and Mounting Dimensions

