

REGULATOR

SERIES HSG-DL230 / 0,1 LABLINE HIGH PURITY LOW OUTLET DELIVERY PRESSURE REGULATOR

Description

The chromium plated brass, piston and diaphragm type, high purity dual stage regulators, Series HSG-DL230 / 0,1, are designed for very sensitive primary pressure control of non-corrosive, high purity (up to grade 6N), high pressure supply source in applications requiring a very low outlet delivery pressure.



HSG-DL230 / 0,1

Standard Specification

Maximum inlet pressure	: 2900 psig (200 bar)
Outlet range	
Model HSG-DL230/0,1	: 0.14 - 1.4 psig (0.01 - 0.1 bar)
Outlet port	: 1/4" NPT (F)
Temperature range	: -20°C to +50°C
Nominal flow	: 0.5 Nm ³ /h (N ₂)
Helium leak rate	: 3 x 10 ⁻⁸ mbar x l/sec
Weight	: 1.5 kg

Material Of Construction

Body	: Chrome plated brass
Value Seal	: PCTFE
O-ring	: EPDM
Diaphragm	: AISI 304 Stainless steel

Key Features

- Double stage, piston type for the first stage and diaphragm type for the second stage with chromium plated brass body
- Excellent durability and sensitivity
- The large diaphragm construction is designed for very low delivery pressure
- Low torque and multiple turn handwheel for sensitive outlet outlet pressure control
- Excellent performance characteristics, low flow
- Ultra clean, decontaminated internals through multistep cleaning process
- Rear inlet connection, two outlet connections

Typical Applications

- Very low delivery pressure control on high pressure supply source
- Gas chromatography - mass spectrometry
- Calibration gases control
- Nuclear counter mixtures
- Lighting gases
- Semiconductor industry