

REGULATOR

SERIES HSG-SL215

LABLINE SINGLE STAGE HIGH PURITY REGULATOR - NON-CORROSIVE SERVICE

Description

The chromium plated brass, diaphragm type, high purity single stage regulators, Series HSG-SL215, are designed for very sensitive primary gas control of noncorrosive, high purity (up to grade 6N), high pressure supply source in applications where minor fluctuations in outlet pressure due to diminishing inlet supply pressure can be tolerated.



HSG-SL215

Standard Specification

Maximum inlet pressure : 2900 psig (200 bar)

Outlet ranges

Model HSG SL215/3 : 1.5 - 44 psig (0.1 - 3 bar)

Model HSG-SL215/8 : 14.5 - 116 psig (1 - 8 bar)

Model HSG-SL215/16 : 14.5 - 232 psig (1 - 16 bar)

Outlet port : 1/4" NPT (F)

Temperature range : -20°C to +50°C

Flow coefficient : Cv = 0.017

Nominal flow : 1.6 Nm³/h (N₂) for HSG-SL215/3
: 6 Nm³/h (N₂) for HSG-SL215/8
: 13.6 Nm³/h (N₂) for HSG-SL215/16

Helium leak rate : 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

- Single stage, diaphragm sealed, with chromium plated brass body
- Ultra clean, decontaminated internals through multistep cleaning process
- Front and back panel mounting possibility
- High leak tightness integrity prevention back diffusion of atmospheric contamination
- Good pressure control with good accuracy for reliable service
- Low torque and multiple turn handwheel for sensitive outlet pressure control
- Compact light weight design

Typical Applications

- Gas chromatography
- Zero gases, auto emission and span gases
- Research sampling systems
- Laser gas systems
- Process analyzers
- Purging systems
- Atomic absorption analysis