

REGULATOR

SERIES HSG-SL250 / HSG-SL400 LABLINE HIGH PURITY HIGH OUTLET DELIVERY PRESSURE REGULATOR

Description

The chromium plated brass, piston type, high purity single stage regulators, Series HSG-SL250 and HSG-SL400, are designed for primary pressure control of non-corrosive, high purity (up to grade 6N), ultra high pressure supply source in applications requiring a high outlet delivery pressure.



HSG-SL250 / HSG-SL400

Standard Specification

Maximum inlet pressure	: 4350 psig (300 bar)
Outlet ranges	
Model HSG-SL250	: 72.5 - 870 psig (5 - 60 bar)
Model HSG-SL400	: 145 - 2320 psig (10 - 160 bar)
Outlet port	: 1/4" NPT (F)
Temperature range	: -20°C to +50°C
Nominal flow	: 10 Nm ³ /h (N ₂) for HSG-SL250 : 30 Nm ³ /h (N ₂) for HSG-SL400
Helium leak rate	: 10 ⁻⁸ mbar x l/sec
Weight	: 1.6 kg

Material Of Construction

Body	: Chrome plated Brass
Valve seal	: PCTFE
O-ring	: NBR
Piston	: AISI 316L stainless steel

Key Features

- Single stage, piston with chromium plated brass
- Excellent durability
- High outlet pressure with low flow
- Good accuracy and sensitivity
- Ultra clean, decontaminated internals through multistep cleaning process
- Front and back panel mounting possibility
- High leak tightness integrity prevention back diffusion of atmospheric contamination
- Low torque and multiple turn handwheel for sensitive outlet pressure
- Rear inlet connection, two outlet connections
- Excellent performance characteristics

Typical Applications

- Research and development
- Chemical manufacturing
- Aerospace hydraulic systems
- Pharmaceutical manufacturing
- Gauge calibration
- High pressure purging
- Accelerated aging