SERIES HSG-DL230
LABLINE DUAL STAGE HIGH PURITY REGULATOR - NON-CORROSIVE SERVICE

Description

The chromium plated brass, piston and bellow type, high purity dual stage regulators, Series HSG-DL230, are designed for very sensitive primary pressure control of noncorrosive, high purity (up to grade N6N), high pressure supply source in applications requiring constant pressure control and delivery regardless of supply pressure variatiion.

HSG-DL230

Standard Specification

Maximum inlet pressure	: 2900 psig (200 bar)
Outlet ranges	
Model HSG-DL230/1	: 0.7 - 14.5 psig (0.05 - 1 bar)
Model HSG-DL230/3	: 1.5 - 44 psig (0.1 - 3 bar)
Model HSG-DL230/8	: 7.2 - 116 psig (0.5 - 8 bar)
Outlet port	: 1/4" NPT (F)
Temperature range	: -20°C to +50°C
Nominal flow	: 2 Nm^3/h (N_2) for HSG-DL230/1
	: 2.5 Nm^3/h (N_2) for HSG-DL230/3
	: 3 Nm^3/h (N_2) for HSG-DL230/8
Helium leak rate	: 10^{-8} mbar x l/sec
Weight	: 1.5 kg

Key Features

- Double stage, piston type for the first stage and bellow type for the second stage with chromium plated brass body
- Excellent stability of discharge pressure through expansion in two steps
- 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 control
- Rear inlet connection, two outlet connections
- Excellent performance characteristics

Material Of Construction

Body	: Chrome plated brass
Value Seal	: PTFE
O-ring	: EPDM
Piston	: Bronze
Bellow	: Brass

Typical Applications

- High-purity carrier gases handling
- Gas and liquid chromatography
- Zero gases, span gases and calibration gases control
- Research Sampling Systems
- Laser gas systems
- EPA Protocol gases handling
- High purity chamber pressurization

REGULATOR

SERIES HSG-DI215
LABLINE DUAL STAGE HIGH PURITY REGULATOR - CORROSIVE SERVICE

Description

The stainless steel, diaphragm type, high purity dual stage regulators, Series HSG-DI215, are designed for very sensitive primary pressure control of midly corrosive, high purity (up to grade 6N), high pressure supply source in applications requiring constant pressure control and delivery regardless of supply pressure variation.

HSG-DI215

Standard Specification

Maximum inlet pressure	: 2900 psig (200 bar)
Outlet ranges	
Model HSG-DI215/3	: 1.5 - 44 psig (0.1 - 3 bar)
Model HSG-DI215/8	: 7.2 - 116 psig (0.5 - 8 bar)
Outlet port	: 1/4" NPT (F)
Temperature range	: -20°C to +50°C
Nominal flow	: 1.2 Nm^3/h (N_2) for HSG-DI215/3
	: 2.9 Nm^3/h (N_2) for HSG-DI215/8
Helium leak rate	: 10^{-8} mbar x l/sec
Weight	: 2.5 kg

Key Features

- Minimal outlet pressure change during cylinder life makes the dual stage Series DI215 regulator an excellent an excellent choice for precise outlet pressure control.
- Low torque, multiturn hand-wheel for precise control of outlet pressure
- Designed for durability
- Excellent overall performance characteristics
- As a protocol station when equipped with mounting bracket

Material Of Construction

Body	: Stainless steel
Value Seal	: PCTFE
O-ring	: EPDM
Diaphragm	: AISI 304 stainless steel

Typical Applications

- Corrosive gas service
- CEM and EPA Protocol Standard
- Semiconductor process gases
- Emission Monitoring