

# REGULATOR

## SERIES HSG-LB150 CHROME-PLATED HIGH PURITY LECTURE BOTTLE REGULATOR - NON-CORROSIVE SERVICES

### Description

The chromium plated brass, high purity lecture bottle regulators, Series HSG-LB150, are specifically designed for high purity, inert, non-corrosive and non-toxic gases applications where an excellent pressure regulation over the useful pressure range is required. Lightweight and compact design makes this regulator ideal for using with lecture bottle or A001 size cylinder.



HSG-LB150

### Standard Specification

Maximum inlet pressure	: 3000 psig
Outlet ranges	
Model HSG-LB150/15	: 2 - 15 psig
Model HSG-LB150/60	: 4 - 60 psig
Outlet port	: 1/4" NPT (F)
Temperature range	: -17°C to +60°C
Outlet pressure rise	: < 0.3 psig / 100 psig inlet decay

### Material Of Construction

Body	: Chrome plated brass
Spring housing cap	: Chrome plated brass
Diaphragm	: Neoprene
Nozzle	: Brass
Seat	: Polyurethane
Seals	: Nylon
Poppet	: Brass
Filter	: 50 micron sintered bronze
Seat return spring	: Stainless steel
Pressure adjusting spring	: Music wire
Adjusting knob	: Acrylonitrile butadiene styrene

### Key Features

- Compact and lightweight
- Chrome-plated brass body with smooth surface finish
- Low droop: stable outlet pressure
- Stem type seat assembly
- Self reseating type relief valve in diaphragm
- 1-1/4" neoprene diaphragm provides greater sensitivity
- 1-1/2" Chrome plated gauges

### Typical Applications

- Regulation of non-corrosive gases
- Lecture bottles and 5A/6A size cylinders
- University laboratories
- Chemical research
- Pharmaceutical manufacturing