

Model SSC

Low Delivery Pressure, General Purpose Regulators

This regulator provides accurate control at very low delivery pressures. It is available in five separate delivery pressure ranges: from 3.5"-8" H₂O to 10-15 psig.

Model SSC is mainly designed for use with liquefied hydrocarbons such as Propane, Butane or Isobutane. Although primarily used as a line regulator, it may be optionally ordered as a cylinder regulator for use with gases having cylinder pressures below 250 psig.

For high pressure cylinder products (e.g., Nitrogen or Argon) in applications requiring very low delivery pressures please refer to our Models TSC and THP Regulators.

Warning: Do not use this regulator with Hydrogen or Helium. Although these gases are compatible with the materials of construction, experience shows that the seals are not sufficient to prevent leakage of these gases. This regulator is also not recommended for oxygen service.

Standard Features

- Large Molded Diaphragm allows for accurate control of delivery pressures as low as 3.5" H₂O.
- Adjusting Screw is Concealed by Security Cap to help prevent adjustments by unauthorized personnel.
- Threaded Mounting Pads with screws permit panel mounting.
- Outlet Metering Valve provides flow control.
- 1" H₂O Graduations on SSC-0 Gauge and 1 oz. Graduations on SSC-1 Gauge allow for enhanced readability at very low pressure settings.
- 2½" Gauge reads easily for more precise settings.

Specifications

Maximum Inlet Pressure: 250 psig*
 Minimum Inlet Pressure: 5 psig
 Delivery Pressure Range: See Table I
 Delivery Pressure Gauge: See Table I
 Gauge Size: 2½" Dial
 Operating Temperature Range:
 -40°F to 140°F
 Inlet Connection: ¼" NPT female
 (CGA 510 cylinder connection;
 see "Optional Equipment")
 Outlet Connection:
 ¼" NPT male (on outlet valve)
 Approximate Weight: 4 lbs

Materials of Construction

Body and Bonnet: Die Cast Zinc
 Outlet Block, Outlet Valve
 and Gauge: Brass
 Other Metal Parts Exposed to Gas:
 Zinc, Brass and Stainless Steel
 Diaphragm and Seat: Buna-N
 Seals: Buna-N and PTFE



Table I

Part No.	Delivery Pressure (psig)	
	Range	Gauge
SSC-0*	3.5-8" H ₂ O	0-35" H ₂ O
SSC-1*	0.5-1.0	0-32 oz.
SSC-5	1.0-5.0	0-10
SSC-10	5.0-10.0	0-30
SSC-15	10.0-15.0	0-30

* These models require inlet pressures below 80 psig to be able to provide the full delivery pressure range.

Optional Equipment

Equipment	Part No.
Pressure Adjusting Wrench	SG6216
CGA 510 Cylinder Connection Installed on Inlet	**

** Suffix Regulator part number with 510.
 Example: SSC-5-510.