

100 Silverline SERIES

GENERAL PURPOSE SINGLE STAGE LINE REGULATORS

DESIGN FEATURES

- Filtered seat for added gas stream purity and extended service life
- Large 1 - 7/8" diaphragm for precise control of pressure
- Large 2 - 1/2" easy to read single scale gauges
- Rugged brass construction with bar stock body
- Plated body, bonnet, and gauges for superior protection
- Body is tapped for rear panel mounting



P/N 100-00-00 SHOWN

Sure-Seat™
technology for maximum
life and gas purity

General purpose single stage regulators are recommended for inert and non-corrosive gas applications where very or extremely precise control of delivery is not necessary. These regulators are not recommended for applications where inboard diffusion of air or outgassing of elastomeric components would adversely affect the work being done.

SPECIFICATIONS

| | |
|------------------------|---|
| Maximum Inlet Pressure | 1200 PSIG |
| Outlet Pressure Ranges | 0-15, 0-50, 0-100, 0-200 PSIG |
| Temp. Operating Range | -40°F to +165°F |
| Ports (3) | 1/4" FNPT |
| Design Leak Rate | Bubble tight (1 x 10 ⁻⁵ ccs Helium) |
| Flow Coefficient Cv | 0.22 |
| Flow Curve | Flow Chart #1 |
| Inlet Decay Rate | 0.138/100 PSIG |
| Weight | 2.5 lbs. |

100 - 00 - 00

| Option 1: Model Series & Outlet Pressure | |
|---|----------|
| 100 | 15 PSIG |
| 101 | 50 PSIG |
| 102 | 100 PSIG |
| 103 | 200 PSIG |

| Option 2: Outlet Fittings | |
|------------------------------|------------------------------------|
| 00 | 1/4" FNPT |
| 04 | 1/4" MPT x 1/4" brass tube fitting |
| 80 | 1/4" MPT x 1/8" brass tube fitting |
| 81 | 1/4" MPT x 1/8" stainless |

| Option 3: CGA Inlet Fittings | |
|---------------------------------|--|
| 00 | 1/4" FNPT |
| 04 | 1/4" MPT x 1/4" brass tube fitting |
| 11 | 1/4" MPT x 1/8" brass tube fitting |
| 12 | 1/4" MPT x 1/8" stainless steel tube fitting |

MATERIALS OF CONSTRUCTION

| | |
|---------------|--------------------------------|
| Body | Nickel Plated Brass, Bar Stock |
| Bonnet | Nickel Plated |
| Seat | PFA |
| Seat Retainer | Brass |
| Diaphragm | Neoprene |
| Gauge | 2-1/2" Nickel Plated |
| Filter | 316 Stainless Steel |
| Valve Stem | 316 Stainless Steel |
| Valve Spring | 316 Stainless Steel |

Ordering Information For 100 Series Regulators

| Product Number | Max. Inlet Pressure PSIG | Max. Outlet Pressure PSIG | Inlet Gauge | | Delivery Gauge | |
|----------------|--------------------------|---------------------------|-------------|------------------|----------------|------------------|
| | | | Range PSIG | Graduations PSIG | Range PSIG | Graduations PSIG |
| 100 | 1200 | 15 | --- | --- | 0-30 | 1 |
| 101 | 1200 | 50 | --- | --- | 0-60 | 1 |
| 102 | 1200 | 100 | --- | --- | 0-200 | 5 |
| 103 | 1200 | 200 | --- | --- | 0-400 | 10 |