

# HIGH FLOW – PISTON-SENSED REGULATOR

## Series 3833

### DESCRIPTION

The 3833 series regulators are designed for high flow applications. The series features a large main valve with a Cv of 2.0.

### FEATURES

- Capable of high flows with only a small pressure drop from full to empty cylinder.
- Wide choice of delivery pressure ranges.
- Available in aluminum, brass and stainless steel.

### APPLICATIONS

The 3833 series regulators are ideal to meet the requirements of systems where a high flow of gases needs to be delivered with good outlet pressure control.



3833

### SPECIFICATIONS

	3833	3833L
Max. Inlet Pressure:	3000 psig	3000 psig
Operating Temp. Range:	-40°F to +165°	-40°F to +165°
Flow Coefficient(Cv):	2.0	2.0
Inlet and Outlet**:	1/2" NPT female	1/2" NPT female

\*\*A 100 micron filter is recommended for installation on the regulator inlet. P/N 7510-100-P8MM or 7520-100-P8MM (see page 76)

### MATERIALS OF CONSTRUCTION

	3833A	3833B	3833S
Body:	aluminum	brass	316 SS
Bonnet:	nickel	nickel	nickel
	plated brass	plated brass	plated brass
Main Valve Assembly	316 SS	316 SS	316 SS
Main Valve Seat:	Vespel	Vespel	CTFE
Seal:	Buna-N	Buna-N	PTFE (Teflon)
Main valve:	316 SS	316 SS	316SS
Gauges	brass	brass	SS

### HOW TO ORDER\*

Model Number	Del. Press. Range psig	Del. Press Gauge psig	Inlet Press. Gauge psig
3833A-25	0-25	0-60	0-4000
3833A-50	0-50	0-100	0-4000
3833A-100	0-100	0-200	0-4000
3833A-150	0-150	0-200	0-4000
3833A-200	0-200	0-400	0-4000
3833AL-25	0-25	0-60	none
3833AL-50	0-50	0-100	none
3833AL-100	0-100	0-200	none
3833AL-150	0-150	0-200	none
3833AL-200	0-200	0-400	none
3833B-25	0-25	0-60	0-4000
3833B-50	0-50	0-100	0-4000
3833B-100	0-100	0-200	0-4000
3833B-150	0-150	0-200	0-4000
3833B-200	0-200	0-400	0-4000
3833BL-25	0-25	0-60	none
3833BL-50	0-50	0-100	none
3833BL-100	0-100	0-200	none
3833BL-150	0-150	0-200	none
3833BL-200	0-200	0-400	none
3833S-25	0-25	0-60	0-4000
3833S-50	0-50	0-100	0-4000
3833S-100	0-100	0-200	0-4000
3833S-150	0-150	0-200	0-4000
3833S-200	0-200	0-400	0-4000
3833SL-25	0-25	0-60	none
3833SL-50	0-50	0-100	none
3833SL-100	0-100	0-200	none
3833SL-150	0-150	0-200	none
3833SL-200	0-200	0-400	none

\*For panel mounting bonnet add "PM" to base number (i.e., 3833LPM-50).