

SERIES S 10 | LINE REGULATOR

- Diaphragm single stage
- Balanced-Valve Technology
- Purity up to 6.0
- Inlet pressure: 25 bar (360 psi)
- Outlet pressure: 3 bar (44 psi) or 8 bar (116 psi)

- ★ Compact design
- ★ Reduce the ownership cost
- ★ Front panel mounting
- ★ O₂ application compatible

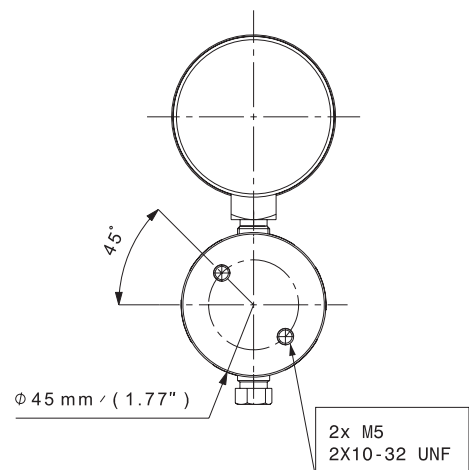
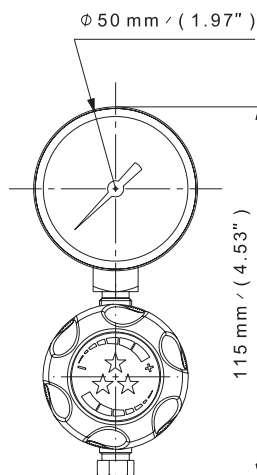
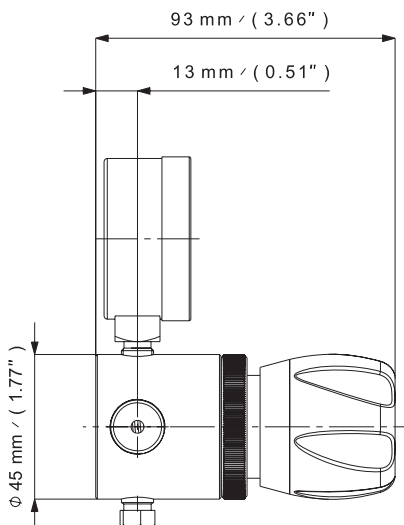
Special requirements on request

APPLICATIONS

- Designed as a second stage line regulator for laboratory applications such as: gas delivery to inductive plasma spectrometer, protection and support gas for chromatograph, environmental emission monitoring, industrial hygiene or safety monitors and trace impurity analyzers.
- Ideally suited as a NH₃ line regulator (EPDM stainless steel version).

KEY FEATURES

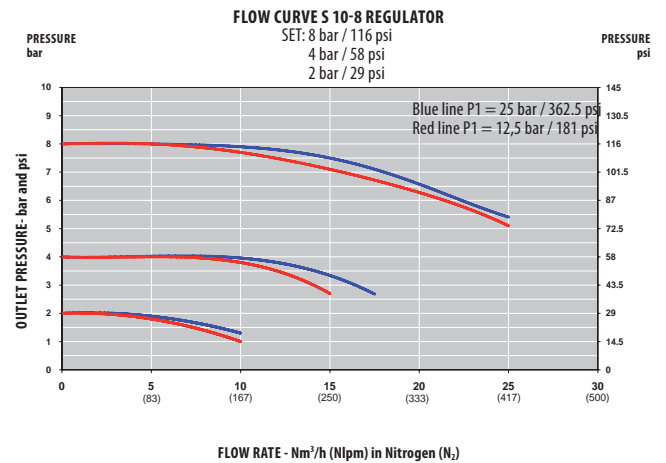
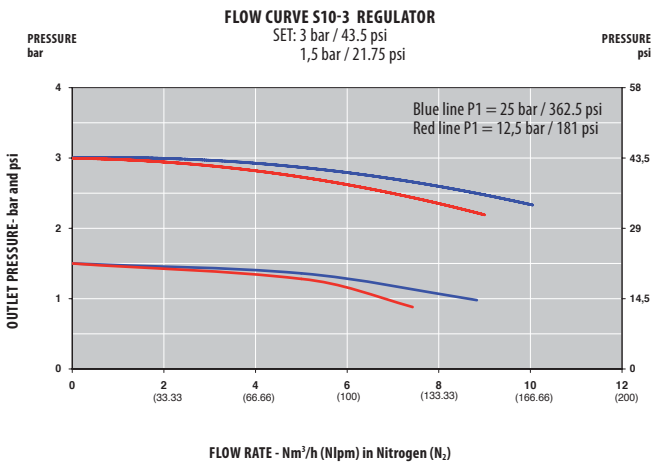
- As a second level of regulation, the SL 10 will supply a precise outlet pressure to the process. It can be used for many applications that need a high flow.
- Flexible wall or panel mounting possible with its compact design, the rear threads and fixing ring.
- Best-in-class pressure control with Balanced-Valve Technology: the effect of inlet pressure fluctuations on outlet pressure are minimized. BV-technology delivers an exceptionally stable outlet pressure and flow even with high flow line regulators.
- Longer useful regulator lifetime and lower total ownership cost.



SPECIFICATIONS

Female ports	G 3/8 or 1/4 NPT (inlet/outlet)	Weight	± 0,6 kg ± 1.32 lbs	Inlet pressure max	25 bar 360 psi
Seat seal	NBR (brass version) FPM (SS version)	Leak rate	10 ⁻⁸ mbar ℓ/s He	Outlet pressure	3/8 bar 44/116 psi
O-ring	NBR (brass version) FPM (SS version) EPDM	Temperature range	- 20°C to + 60°C - 4°F to + 140°F	Nominal Flow	4,5/12 Nm ³ /h (N ₂)
Diaphragm	AlSI 304 (brass version) Hastelloy® (SS version)	Gauges	Low pressure (M10 x 1 or 1/4 NPT)	Oxygen use	OK for brass and stainless steel

FLOW CURVES



PRODUCT CONFIGURATOR

Body Material		Outlet Pressure	End Connections	O-ring Material	Gauges	Mounting	Ports Configuration					
S	L	10	8	G	NBR	1	A					
	Chrome plated brass	3 bar 44 psi	3	G 3/8 - G 3/8	G	NBR - Standard with brass version	Without	0	Without Fixing Ring	FR0	Standard Configuration	A
	Stainless steel	8 bar 116 psi	8	1/4 NPT - 1/4 NPT	N	FPM - Standard with stainless steel version EPDM	With	1	With Fixing Ring	FR1	Reverse inlet/outlet	R