

SERIES SC 280 - SC 380 | SINGLE STAGE HP CARTRIDGE REGULATOR

- Diaphragm Single Stage
- Purity up to 6.0
- Inlet Pressure:
200 bar (2900 psi)
300 bar (4350 psi)
- Outlet Pressure:
1,5/4/10/16/35/50 bar
21.75/58/145/232/508/
725 psi

- ★ Compact and lightweight design
- ★ 1 Inlet / 1 Outlet
- ★ O₂ application compatible (see technical data)
- ★ Inlet / Outlet pressure gauge
- ★ Rear threads for panel mounting
- ★ 1 relief valve

Special requirements on request

APPLICATIONS

- Designed for cylinder regulator applications
- Ideally suited for pure, inert and corrosive gas
- Applications such as:
 - Calibration gases
 - Controlled atmosphere
 - High purity gas carrying

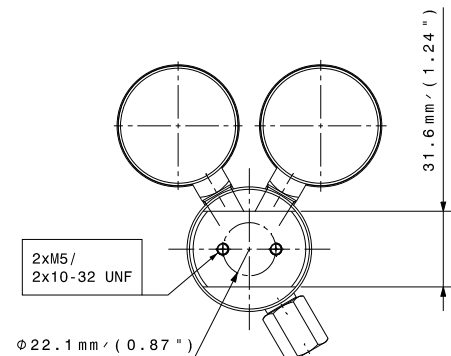
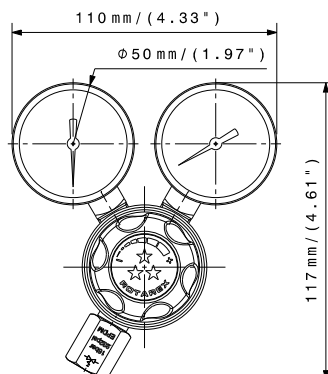
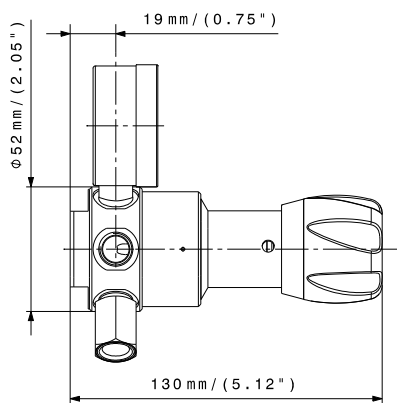
KEY FEATURES

- This single stage regulator is based on the Cartridge seat Technology.
- Compact, ergonomic and lightweight design makes this regulator suitable for many applications.
- Accurate pressure control for reliable service.
- Handwheel in compliance with ATEX regulation and easy to clean
- Could be equipped with a shut off valve
- Relief valve seat seals material*
 - Brass Version: EPDM
 - Stainless Steel: FPM

*Other on demand



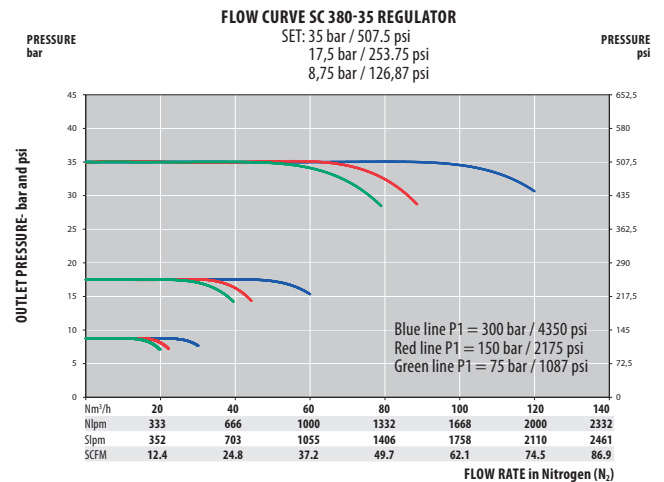
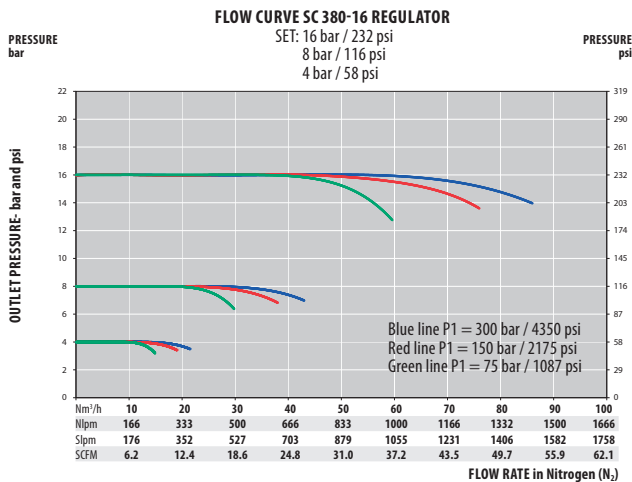
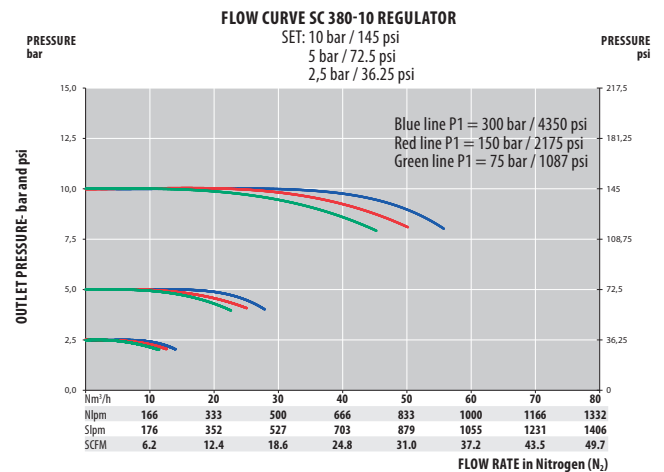
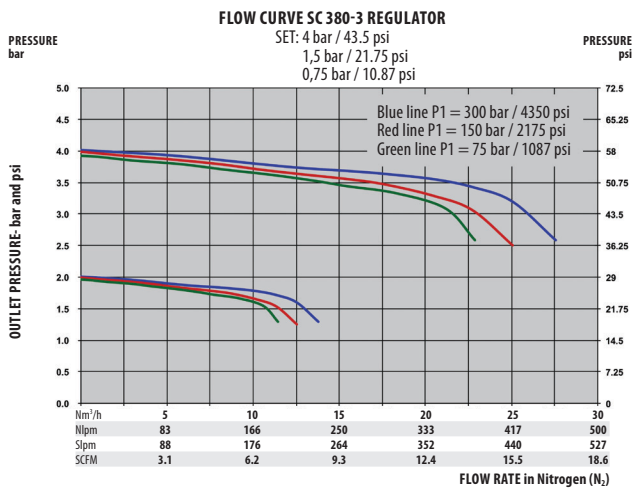
To be connected with cylinder connectors



SPECIFICATIONS

Female ports	¼" NPT (inlet / outlet)	Weight	± 1,1 kg ± 2.4 lbs	Inlet pressure	200/300 bar 2900/4350 psi
Valve seal	PCTFE	Leak rate	10 ⁻⁸ mbar ℓ/s He	Outlet pressure	1,5/4/10/16/35/50 bar 21.75/58/145/232/508/725 psi
O-ring	PTFE	Temperature range	- 40°C to + 60°C - 40°F to + 140°F	Nominal Flow Cv	1/2/10/20/30 Nm³/h (N ₂) 0.1
Diaphragm	Hastelloy®	Gauges	High and low pressure (¼ NPT)	Oxygen use	OK with brass and stainless steel

FLOW CURVES



PRODUCT CONFIGURATOR

	Body Material	Inlet Pressure	Port Configuration	Outlet pressure	Inlet Connection	Outlet Connection	Gauges	Gas Type
SC	L	280	R	10	N	N	1	N2
	Chrome plated brass	L 200 bar 2900 psi	280 Right inlet	R 1,5 bar 21.75 psi	1,5 ¼ NPT	N ¼ NPT	N With	1
	Stainless steel	I 300 bar 4350 psi	380 Left inlet	L 4 bar 58 psi	4			
				10 bar 145 psi	10			
				16 bar 232 psi	16			
				35 bar 508 psi	35			
				50 bar 725 psi	50			



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.