

SERIES DC 280 - DC 380 | DUAL STAGE HP CARTRIDGE REGULATOR

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

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

Special requirements on request

To be connected with cylinder connectors



Refer to page 90

APPLICATIONS

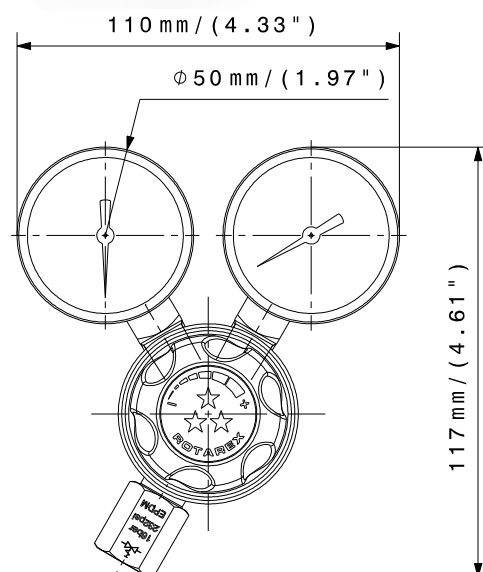
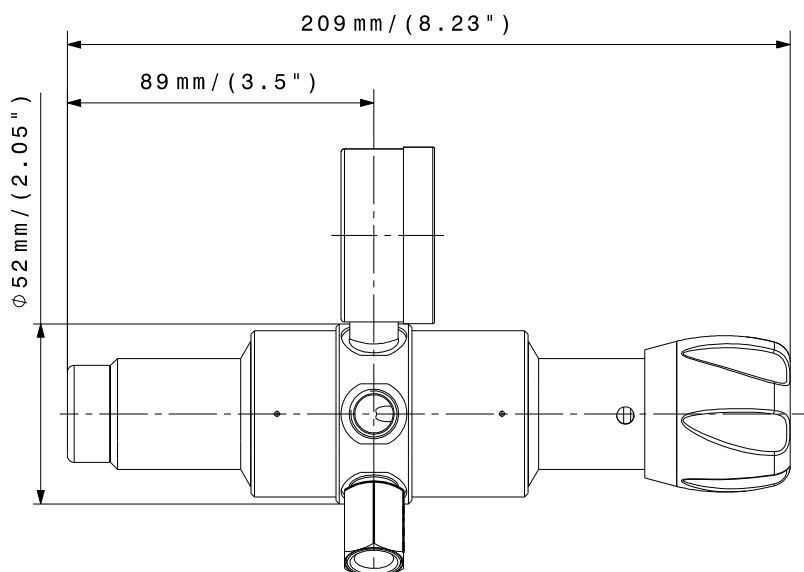
This regulator is ideally suited as cylinder regulator for pure, inert and corrosive gas applications such as analytical instrumentation.

- Gas Chromatograph
- Carrying gas
- Calibration gas

GENERAL

- This dual 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

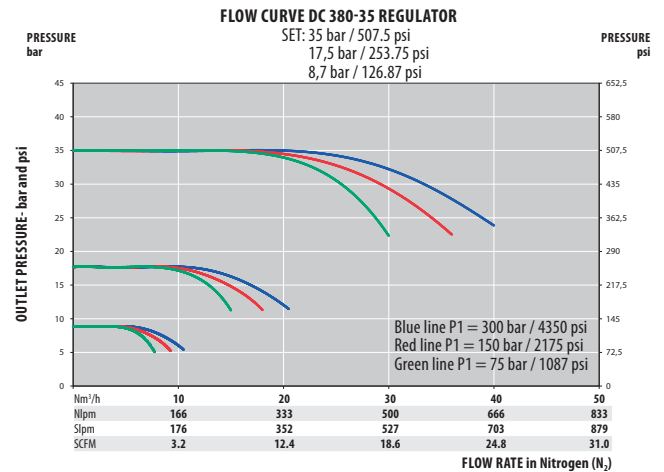
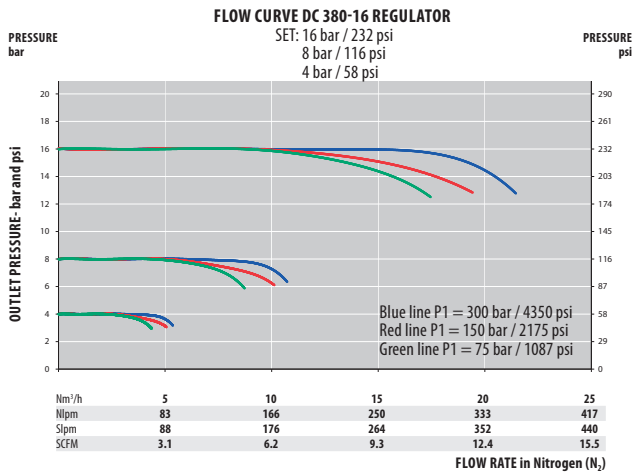
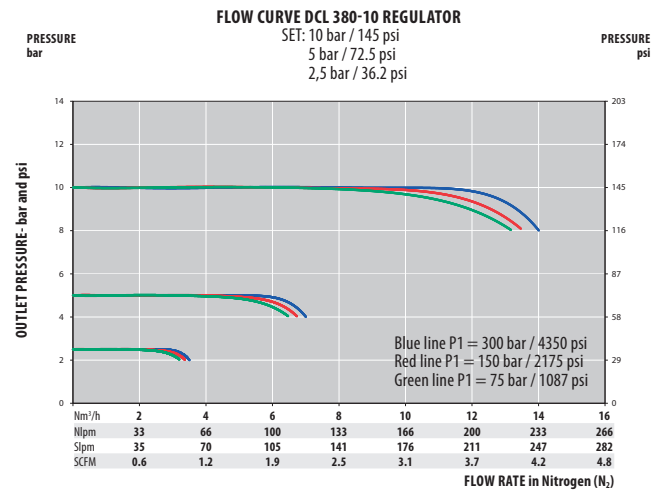
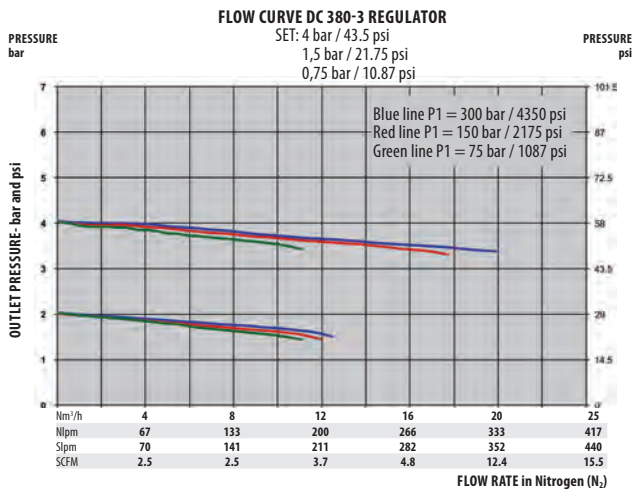
*Other on demand



SPECIFICATIONS

Female ports	1/4" NPT (Inlet/Outlet)	Weight	± 1,5 kg ± 3.3 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 bar 21.75/58/145/232/508 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 (N₂) 0.06
Diaphragm	Hastelloy®	Gauges	High and low pressure (1/4 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
DC	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	1/4 NPT	N 1/4 NPT	With	1
	Stainless steel	I 300 bar / 4350 psi	380 Left inlet	L 4 bar / 58 psi				
				10 bar / 145 psi				
				16 bar / 232 psi				
				35 bar / 508 psi				