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
★ O_2 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

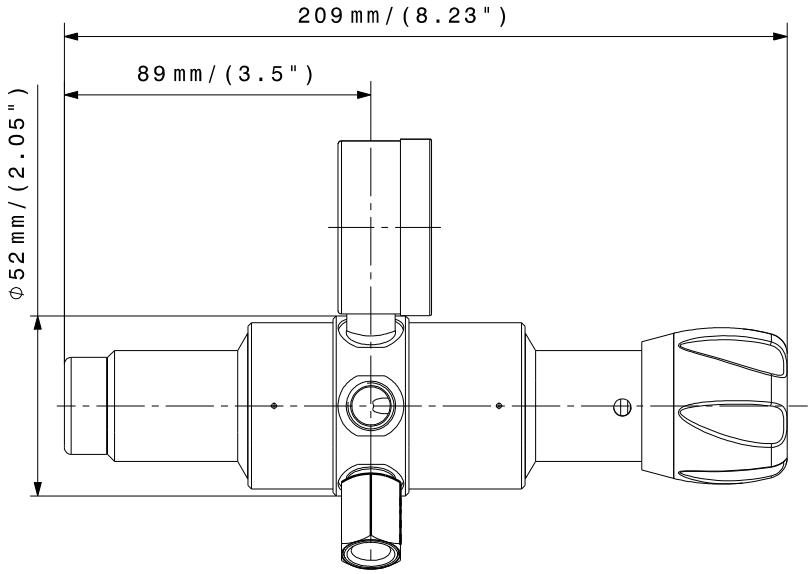
This regulator is ideally suited as cylinder regulator for pure, inert and corrosive gas applications such as analytical instrumentation.

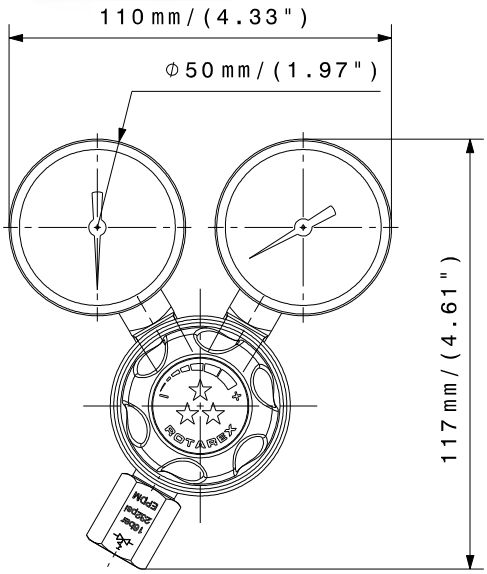
- Gas Chromatograph
- Carrying gas
- Calibration gas

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





ALL RIGHTS OF CHANGE RESERVED

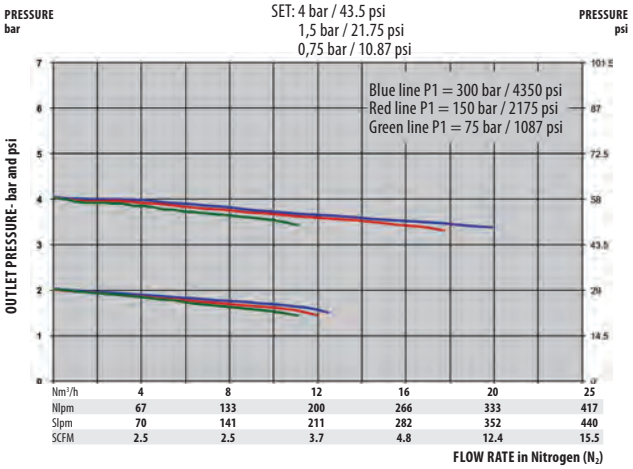
SPECIFICATIONS

Female ports	¼" 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 Nm^3/h (N_2) 0.06
Diaphragm	Hastelloy®	**Gauges**	High and low pressure (¼ NPT)	**Oxygen use**	OK with brass and stainless steel

FLOW CURVES

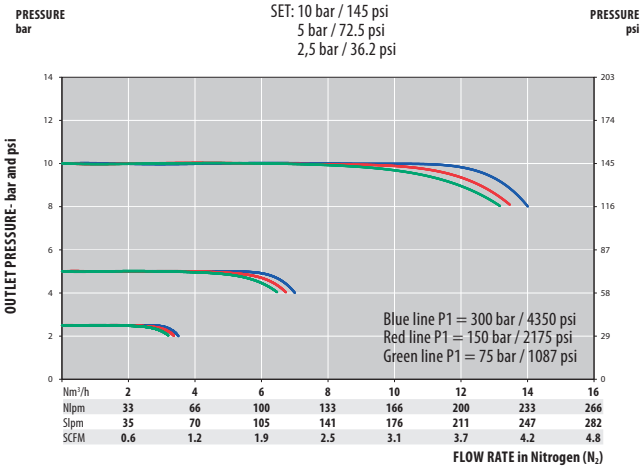
FLOW CURVE DC 380-3 REGULATOR

SET: 4 bar / 43.5 psi
1,5 bar / 21.75 psi
0,75 bar / 10.87 psi



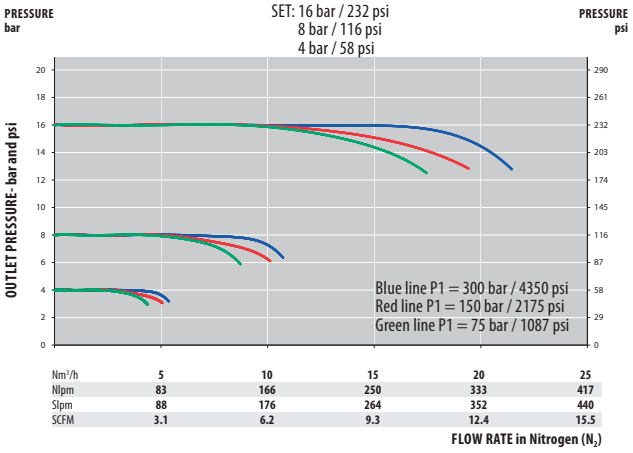
FLOW CURVE DCL 380-10 REGULATOR

SET: 10 bar / 145 psi
5 bar / 72.5 psi
2,5 bar / 36.2 psi



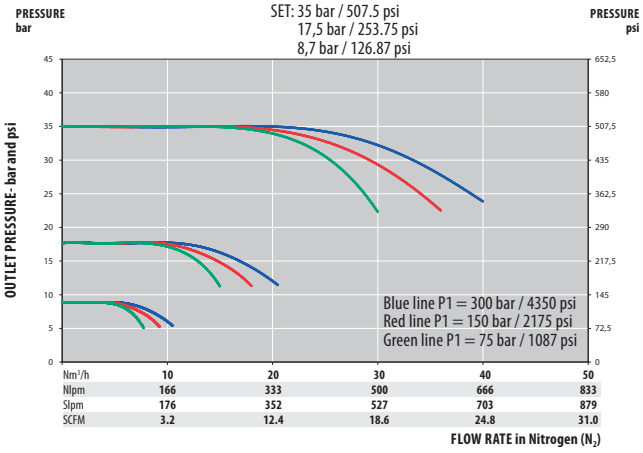
FLOW CURVE DC 380-16 REGULATOR

SET: 16 bar / 232 psi
8 bar / 116 psi
4 bar / 58 psi



FLOW CURVE DC 380-35 REGULATOR

SET: 35 bar / 507.5 psi
17,5 bar / 253.75 psi
8,7 bar / 126.87 psi



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	1,5	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							

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