

SERIES DC 50 | HIGH FLOW LINE REGULATOR

- Diaphragm single stage
- Balanced-Valve Technology
- Purity up to 5.0
- Inlet pressure:
50 bar (725 psi)
- Outlet pressure:
8/15/40 bar
116/217/580 psi
- Acetylene version (AD - C₂H₂):
P1=1,5 bar (21.75 psi)
P2=0,8 bar (12 psi)

- ★ 1 inlet / 1 outlet
- ★ Rear thread for panel mounting
- ★ O₂ application compatible
- ★ High flow

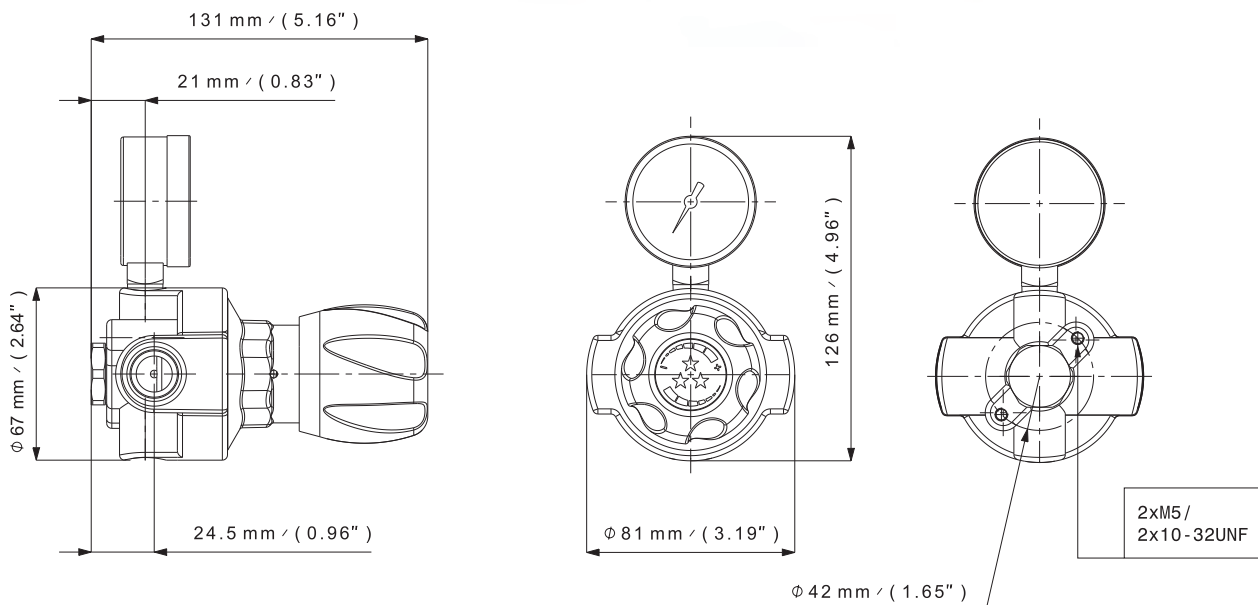
Special requirements on request

APPLICATIONS

- For all applications requiring a low pressure with high flow.
- Ideally suited as line regulator in combination either with MOD supply board or CEN switch over board.

KEY FEATURES

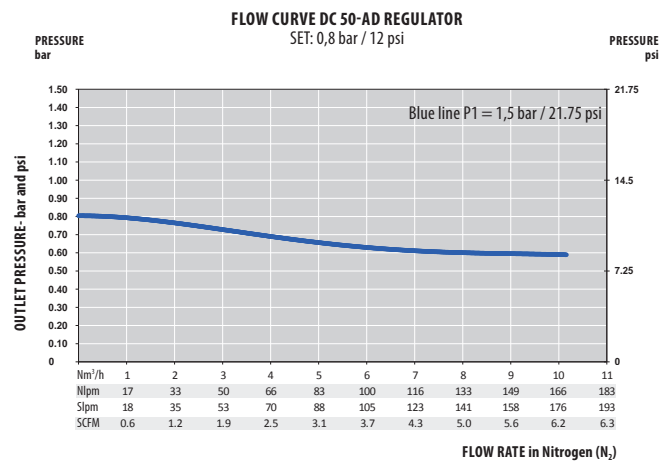
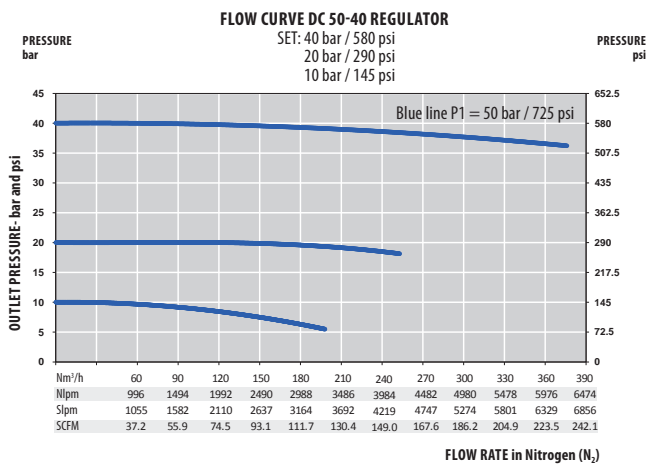
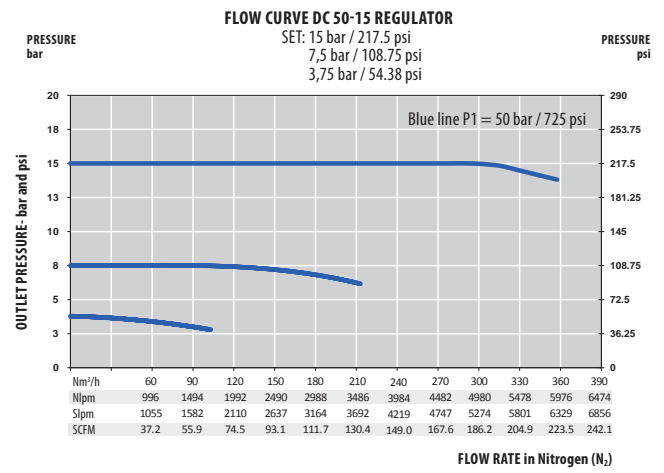
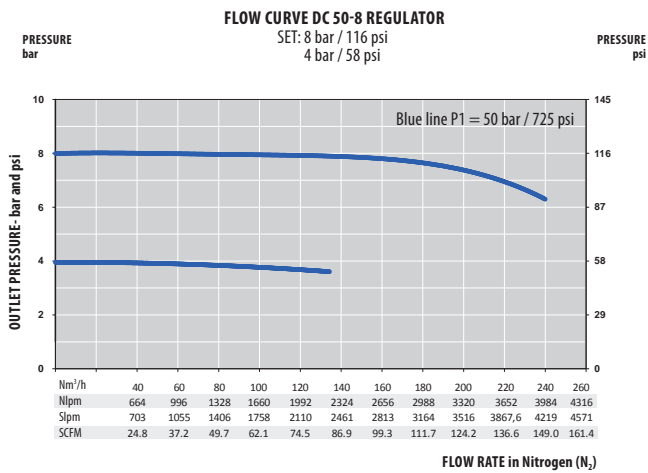
- Low pressure regulator with high flow, without vibration.
- Best-in-class pressure stability with Balanced-Valve Technology: the effect of inlet pressure fluctuations on outlet pressure is minimized. BV-technology enables the delivery of a very stable outlet pressure and flow even with high flow line regulators.
- reduced strain on the seat increases regulator life and reduces the ownership cost.
- Acetylene version available:
P1=1,5 bar/P2=0,8 bar/Q=10 Nm³/h
- For use with acetylene this product must be installed with a flash back arrestor complying with the standard EN 730 located downstream.



SPECIFICATIONS

Female ports	G ½ or ½ NPT (inlet/outlet)	Weight	± 1,4 kg ± 3.1 lbs	Inlet pressure	50 bar (725 psi) AD: 1,5 bar (21.75 psi)
Seat seal	EPDM	Leak rate	10 ⁻³ mbar ℓ/s He	Outlet pressure	8/15/40 - 0,8 bar (AD) 116/217/580 - 12 psi (AD)
O-ring	EPDM - Standard FPM	Temperature range	- 20°C to + 60°C - 4°F to + 140°F	Nominal Flow	150/300/300 Nm ³ /h (N ₂) 10 Nm ³ /h (AD)
Diaphragm	EPDM	Gauges	Low pressure (G ¼ or ¼ NPT)	Oxygen use	OK

FLOW CURVES



PRODUCT CONFIGURATOR

			Outlet Pressure	End Connections	O-ring Material	Body Material	Gauges				
D	C	50	40	G	EPDM	L	1				
			8 bar 116 psi	8	G ½ - G ½	G	EPDM - Standard	Chrome plated brass	L	With	1
			15 bar 217 psi	15	½ NPT - ½ NPT	N	FPM	Raw brass	LB		
			40 bar 580 psi	40							
			Acetylene version 0,8 bar (12 psi)	AD							