



REDLINE® Cylinder regulators C 300/1 GENIE® Single stage regulator for GENIE cylinders.



Description C 300/1 GENIE® is a single-stage regulator made especially for GENIE cylinders and very suitable for speciality gases where demands on purity, safety and tightness are high. A single stage regulator is preferred when an absolutely stable outlet pressure is not required. C 300/1 GENIE can be plain or equipped with a shut-off valve (type A) or a metering valve (type B). The chromium plated brass version is intended for use with pure and mixed gases, except for corrosive gases, acetylene and carbon monoxide (CO).

Product name	bar	psi	HiQ® code
C300/1 GENIE	1	14,5	7301
C300/1 GENIE	3	45	7302
C300/1 GENIE	10	145	7303
C300/1 GENIE	16	230	7304
C300/1 GENIE	35	500	7305
C300/1 GENIE	50	725	7306
C300/1 A GENIE	1	14,5	7321
C300/1 A GENIE	3	45	7322
C300/1 A GENIE	10	145	7323
C300/1 A GENIE	16	230	7324
C300/1 A GENIE	35	500	7325
C300/1 A GENIE	50	725	7326
C300/1 B GENIE	1	14,5	7341
C300/1 B GENIE	3	45	7342
C300/1 B GENIE	10	145	7343
C300/1 B GENIE	16	230	7344
C300/1 B GENIE	35	500	7345
C300/1 B GENIE	50	725	7346

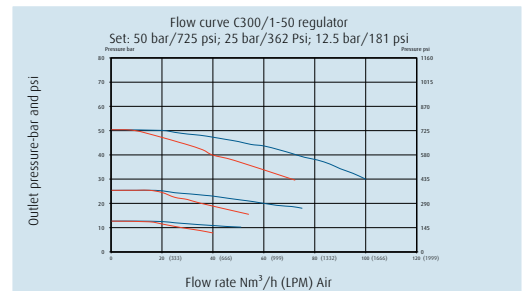
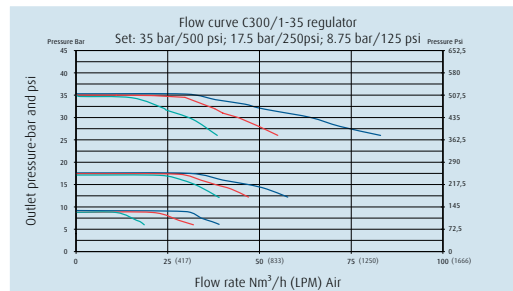
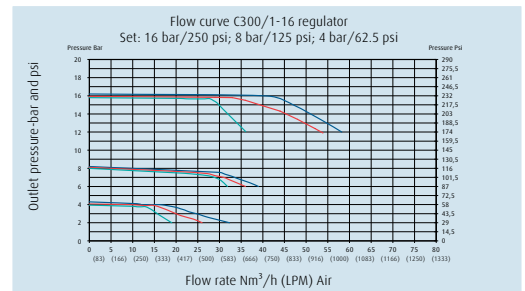
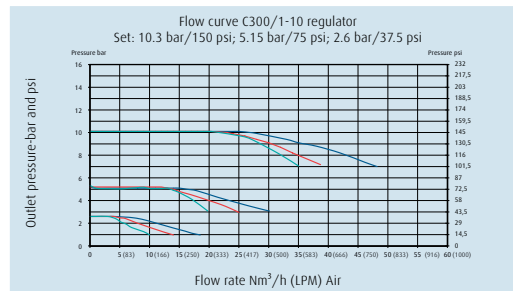
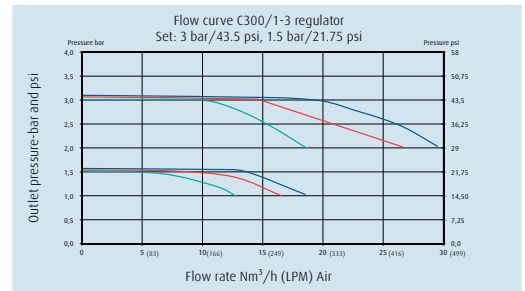
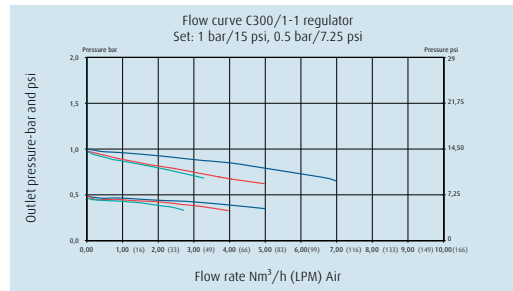
Technical data	Primary pressure	psi
	0.1–300 bar	1.45–4,351 psi
	Outlet pressure	
	0.05–1 bar	0.7–14.5 psi
	0.1–3 bar	1.45–43.5 psi
	0.5–10 bar	7.25–145 psi
	0.5–16 bar	7.25–132 psi
	1–35 bar	14.5–507 psi
	1–50 bar	14.5–725 psi

Technical data continued

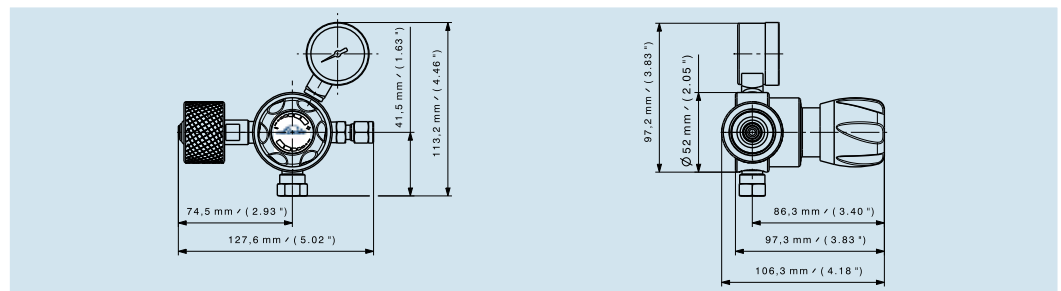
Outlet gauge range	0+1+1.5 bar 0+ 3+5 bar 0+10+15 bar 0+16+25 bar 0+40+60 bar 0+70+100 bar	0+14.5+27. psi 0+43.5+72. psi 0+145+217 psi 0+232+362 psi 0+580+870 psi 0+1015+1450 psi
Stability	When the inlet pressure drops by 10 bar, 145 psi the outlet pressure by less than 0.1 bar, 1.4 psi	
Connection	In and out ¼ NPT female	
Operating temperature	-20 to +60°C	-4 to +140°F
Weight	1.2 Kg	
Material	Chrome plated brass	
Seals	EPDM	
Membrane	AISI 304: 1/3/10/16 bar; Hastelloy: 35/50 bar	
Seating	PCTFE	

Flow characteristics

— P1 = 200 bar — P1' = 100 bar — P1'' = 50 bar



Drawing



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