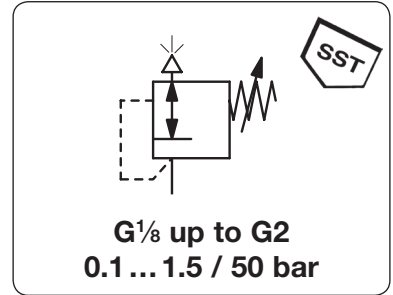


<b>Description</b>	The back pressure regulator protects compressed air devices from excessive pressure. If the pressure setpoint is exceeded, overpressure is vented into the atmosphere until the setpoint is reached again. It is recommended to choose a pressure range as low as possible.
<b>Media</b>	compressed air, gases or liquids
<b>System pressure</b>	see chart, max. 65 bar
<b>Adjustment</b>	by adjusting screw at D3000-01 to -A6, with locknut by T-handle at D3000-06 to -16, with locknut
<b>Gauge port</b>	for inlet pressure, G $\frac{1}{8}$ on both sides of the body at D3000-01, all others G $\frac{1}{4}$ , screw plugs supplied
<b>Mounting position</b>	any
<b>Temperature range</b>	0 °C to 60 °C / 32 °F to 140 °F for NBR/Buna-N, EPDM or FKM 0 °C to 130 °C / 32 °F to 266 °F for high temperature version for appropriately conditioned compressed air down to -20 °C / -4 °F
<b>Material</b>	Body: stainless steel 316L, material no 1.4404 O-rings: FKM, optionally NBR/Buna-N or EPDM Diaphragm: NBR/Buna-N with PTFE coating, optionally stainless steel Inner valve: stainless steel 316L, material no 1.4404



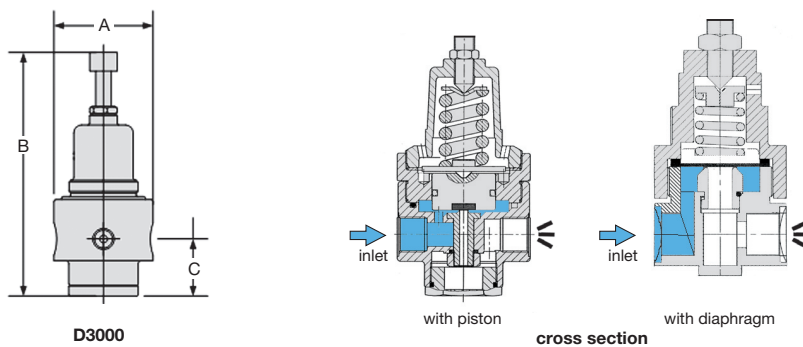
Dimensions			Reg. system	Exhaust	Over-	Connection	Adjustment	Order
A	B	C	D: diaphragm	rate	pressure	thread	range	number
mm	mm	mm	P: piston	l/min*1	max. bar	G	bar	

Back pressure regulator				overpressure max. 30 / 65 bar, PTFE diaphragm and FKM o-ring		D3000		
40	82	13	D	200	30	G $\frac{1}{8}$	0.1 ... 1.5 0.2 ... 3.0	D3000-01AT D3000-01BT D3000-01DT D3000-01ET
						D3000-A2 for G $\frac{1}{4}$	0.5 ... 8.0 1.0 ... 15	
65	145	34	D	300	30	G $\frac{1}{4}$	0.1 ... 1.5 0.2 ... 3.0	D3000-02AT D3000-02BT D3000-02DT D3000-02ET
						D3000-03 for G $\frac{3}{8}$	0.5 ... 8.0 1.0 ... 15	D3000-02FT D3000-02GT
65	145	34	P	300	65		2.0 ... 30 3.0 ... 50	
80	155	37	D	1500	30	G $\frac{1}{2}$	0.1 ... 1.5 0.2 ... 3.0	D3000-04AT D3000-04BT D3000-04DT D3000-04ET
						D3000-A6 for G $\frac{3}{4}$	0.5 ... 8.0 1.0 ... 15	D3000-04FT D3000-04GT
80	155	37	P	1500	65		2.0 ... 30 3.0 ... 50	
127	286	66	D	6000	30	G1	0.1 ... 1.5 0.2 ... 3.0	D3000-08AT D3000-08BT D3000-08DT D3000-08ET
						D3000-06 for G $\frac{3}{4}$	0.5 ... 8.0 1.0 ... 15	D3000-08FT D3000-08GT
127	286	66	P	6000	65		2.0 ... 30 3.0 ... 50	
199	304	55	P	16000	30	G2	0.1 ... 1.5 0.2 ... 3.0	D3000-16AT D3000-16BT D3000-16DT D3000-16ET
						D3000-12 for G1 $\frac{1}{2}$	0.5 ... 8.0 1.0 ... 15	D3000-16FT D3000-16GT
199	304	55	P	16000	65		2.0 ... 30 3.0 ... 50	



## Special options and accessories

see R3000



\* at 7 bar overpressure and open outlet

Gauges: see chapter for measuring devices

PDF CAD  
www.aircom.net



Order example:  
D3000-01AT