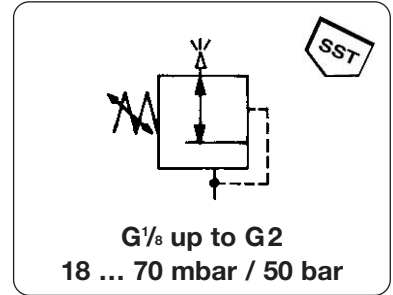


Stainless Steel Back Pressure Regulator

D3000

Description	The back pressure regulator is hand-adjustable, spring-loaded and diaphragm or piston-operated. Similar in function to a relief valve, but with greater sensitivity and easier to adjust. If the adjustment pressure is exceeded, the valve exhausts to atmosphere through a tapped port.	
Overpressure	max. 30 bar with diaphragm system max. 65 bar with piston system	
Gauge Ports	G $\frac{1}{4}$ on both sides of the body, on regulator > G $\frac{1}{2}$	
Temperature Range	-20 °C to 80 °C / -4 °F to 170 °F with NBR	-20 °C to 130 °C / -4 °F to 250 °F with Viton
Materials	Body and inner valve : 316L stainless steel Diaphragm: Teflon-coated NBR or Viton as option	



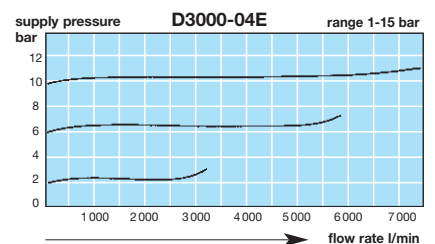
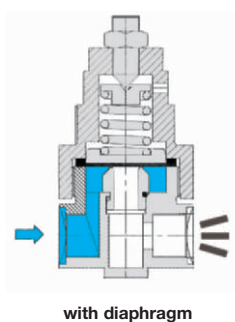
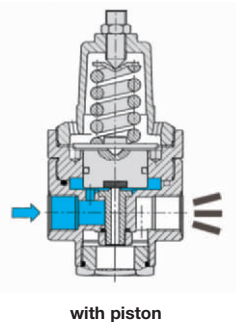
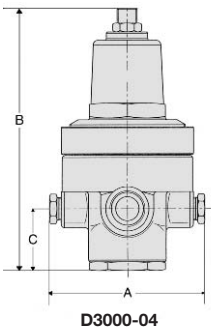
Dimensions			System	Exhaust	Over	Connection	Adjustment	Order
A	B	C	D: diaphragm P: piston	rate l/min*1	pressure max. bar	thread G	range bar	number

Back Pressure Regulator			body and inner valve: 316L SST diaphragm: Teflon-coated NBR				D3000	
40	82	13	D	200	30	G $\frac{1}{8}$	0.1... 1.5 bar	D3000-01A
			D	200	30		0.2... 3 bar	D3000-01B
			D	200	30	D3000-A2	0.3... 5 bar	D3000-01C
			D	200	30	for G $\frac{1}{4}$	0.5... 8 bar	D3000-01D
			D	200	30		1 ...15 bar	D3000-01E
65	145	34	D	300	30	G $\frac{1}{4}$	0.1... 1.5 bar	D3000-02A
			D	300	30		0.2... 3 bar	D3000-02B
			D	300	30	D3000-03	0.5... 8 bar	D3000-02D
			D	300	30	for G $\frac{3}{8}$	1 ...15 bar	D3000-02E
			P	300	65		2 ...30 bar	D3000-02F
			P	300	65		3 ...50 bar	D3000-02G
80	155	37	D	1500	30	G $\frac{1}{2}$	0.1... 1.5 bar	D3000-04A
			D	1500	30		0.2... 3 bar	D3000-04B
			D	1500	30	D3000-A6	0.5... 8 bar	D3000-04D
			D	1500	30	for G $\frac{3}{4}$	1 ...15 bar	D3000-04E
			P	1500	65		2 ...30 bar	D3000-04F
			P	1500	65		3 ...50 bar	D3000-04G
127	286	66	D	6000	30	G1	0.1... 1.5 bar	D3000-08A
			D	6000	30		0.2... 3 bar	D3000-08B
			D	6000	30	D3000-06	0.5... 8 bar	D3000-08D
			D	6000	30	for G $\frac{3}{4}$	1 ...15 bar	D3000-08E
			P	6000	65		2 ...30 bar	D3000-08F
			P	6000	65		3 ...50 bar	D3000-08G
199	304	55	P	16000	30	G2	0.1... 1.5 bar	D3000-16A
			P	16000	30		0.2... 3 bar	D3000-16B
			P	16000	30		0.5... 8 bar	D3000-16D
			P	16000	30		1 ...15 bar	D3000-16E
			P	16000	65		2 ...30 bar	D3000-16F
			P	16000	65		3 ...50 bar	D3000-16G



Special options add the appropriate letter

Viton elastomer	FPM	V	D3000-...V
NPT ports		N	D3000-...N
other gases	please see R3100		D3000-.....
low pressure, G$\frac{1}{2}$	5-45 mbar H , 20-200 mbar I , 150-700 mbar L		D3000-04L
low pressure, G1	2-50 mbar H , 50-100 mbar I , 100-700 mbar L		D3000-08L



*1 at 7 bar and open outlet

For back pressure regulators of brass or aluminium, see chapter "Back Pressure Regulator"

Order example:
D 3000 - 04D