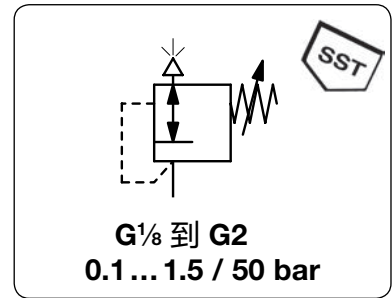


D3000 Back Pressure Regulator Made of Stainless Steel Throughout

Description	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.
Media	compressed air, gases or liquids
System pressure	see chart, max. 65 bar
Adjustment	by adjusting screw at D3000-01 to -A6, with locknut by T-handle at D3000-06 to -16, with locknut
Gauge port	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
Mounting position	any
Temperature range	0 °C to 80 °C / 32 °C to 176 °F for FKM or EPDM 0 °C to 130 °C / 32 °C to 266 °F for high temperature version for appropriately conditioned compressed air down to -20 °C / -4 °F or low temperature version down to -40 °C / -40 °F
Material	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			Regul. 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	D3000-01AT							
							0.2 ... 3.0	D3000-01BT							
							0.5 ... 8.0	D3000-01DT							
							1.0 ... 15	D3000-01ET							
40	82	13	D	200	30	G $\frac{1}{4}$	0.1 ... 1.5	D3000-A2AT							
							0.2 ... 3.0	D3000-A2BT							
							0.5 ... 8.0	D3000-A2DT							
							1.0 ... 15	D3000-A2ET							
64	156	38	D	300	30	G $\frac{1}{4}$	0.1 ... 1.5	D3000-02AT							
							0.2 ... 3.0	D3000-02BT							
							0.5 ... 8.0	D3000-02DT							
							1.0 ... 15	D3000-02ET							
64	176	38	P	300	65		2.0 ... 30	D3000-02FT							
							3.0 ... 50	D3000-02GT							
							64	156	38	D	300	30	G $\frac{1}{8}$	0.1 ... 1.5	D3000-03AT
														0.2 ... 3.0	D3000-03BT
0.5 ... 8.0	D3000-03DT														
1.0 ... 15	D3000-03ET														
64	176	38	P	300	65		2.0 ... 30	D3000-03FT							
							3.0 ... 50	D3000-03GT							
							79	163	37	D	1500	30	G $\frac{1}{2}$	0.1 ... 1.5	D3000-04AT
														0.2 ... 3.0	D3000-04BT
0.5 ... 8.0	D3000-04DT														
1.0 ... 15	D3000-04ET														
79	163	37	P	1500	65		2.0 ... 30	D3000-04FT							
							3.0 ... 50	D3000-04GT							
							79	163	37	D	1500	30	G $\frac{3}{4}$	0.1 ... 1.5	D3000-A6AT
														0.2 ... 3.0	D3000-A6BT
0.5 ... 8.0	D3000-A6DT														
1.0 ... 15	D3000-A6ET														
79	163	37	P	1500	65		2.0 ... 30	D3000-A6FT							
							3.0 ... 50	D3000-A6GT							
							126	283	66	D	6000	30	G $\frac{3}{4}$	0.1 ... 1.5	D3000-06AT
														0.2 ... 3.0	D3000-06BT
0.5 ... 8.0	D3000-06DT														
1.0 ... 15	D3000-06ET														
126	305	66	P	6000	65		2.0 ... 30	D3000-06FT							
							3.0 ... 50	D3000-06GT							



D3000-01DT



D3000-02DT



D3000-04DT



* at 7 bar overpressure and open outlet

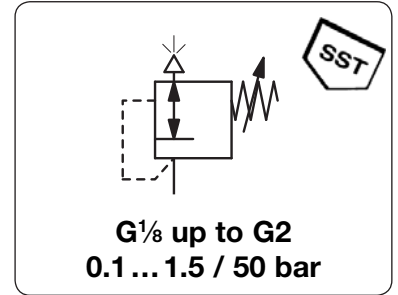


Order example:
D3000-01AT

China website: www.duray-control.cn

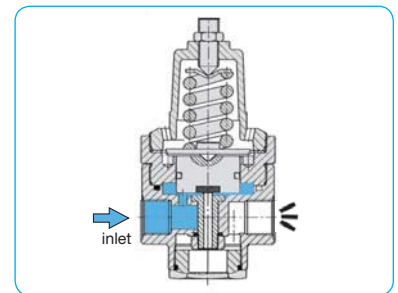
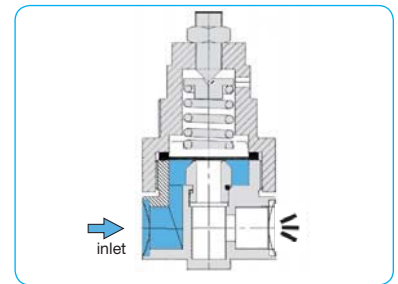
D3000 Back Pressure Regulator Made of Stainless Steel Throughout

Description	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.
Media	compressed air, gases or liquids
System pressure	see chart, max. 65 bar
Adjustment	by adjusting screw at D3000-01 to -A6, with locknut by T-handle at D3000-06 to -16, with locknut
Gauge port	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 any
Mounting position	any
Temperature range	0 °C to 80 °C / 32 °C to 176 °F for FKM or EPDM 0 °C to 130 °C / 32 °C to 266 °F for high temperature version for appropriately conditioned compressed air down to -20 °C / -4 °F or low temperature version down to -40°C / -40 °F
Material	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			Regul. 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			
126	283	66	D	6000	30	G1	0.1 ... 1.5	D3000-08AT
							0.2 ... 3.0	D3000-08BT
							0.5 ... 8.0	D3000-08DT
							1.0 ... 15	D3000-08ET
126	305	66	P	6000	65		2.0 ... 30	D3000-08FT
							3.0 ... 50	D3000-08GT
200	348	87	P	16000	30	G1 $\frac{1}{2}$	0.1 ... 1.5	D3000-12AT
							0.2 ... 3.0	D3000-12BT
							0.5 ... 8.0	D3000-12DT
							1.0 ... 15	D3000-12ET
200	348	87	P	16000	65		2.0 ... 30	D3000-12FT
							3.0 ... 50	D3000-12GT
200	348	87	P	16000	30	G2	0.1 ... 1.5	D3000-16AT
							0.2 ... 3.0	D3000-16BT
							0.5 ... 8.0	D3000-16DT
							1.0 ... 15	D3000-16ET
200	348	87	P	16000	65		2.0 ... 30	D3000-16FT
							3.0 ... 50	D3000-16GT

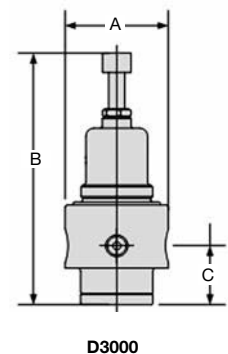


Special options, add the appropriate letter or number

NPT	connection thread		D3000-...N
relieving diaphragm		up to G1	D3000-...R
relieving piston			D3000-...R
up to -40 °C / -40 °F	low temperature version	from G $\frac{1}{4}$ (02) on	D3000-...X51
up to 130 °C / 266 °F	high temperature version	from G $\frac{1}{4}$ (02) on	D3000-...X54
FKM o-ring	for piston or PTFE diaphragm		D3000-...T
EPDM o-ring			D3000-...TE
SST diaphragm	FKM o-ring	for G $\frac{1}{4}$ (02) to G1	D3000-...S
	NBR o-ring	for G $\frac{1}{4}$ (02) to G1	D3000-...SB
	EPDM o-ring	for G $\frac{1}{4}$ (02) to G1	D3000-...SE
	EPDM o-ring, FDA approved	for G $\frac{1}{4}$ (02)	D3000-02.SD
nitrogen N $_2$: 07	ammonia NH $_3$: 02	carbon dioxide CO $_2$:	D3000-...03
argon Ar: 05	helium He: 09	hydrogen H $_2$:	D3000-...11
methane CH $_4$: 13	oxygen O $_2$: 15	propane C $_3$ H $_8$:	D3000-...16
nitrous oxide N $_2$ O: 17		water H $_2$ O:	D3000-...W
flange connection	see end of the chapter / flanges		D3000-...F.

Accessories, enclosed

pressure gauge	Ø 40 mm, 0...*2 bar, G $\frac{1}{8}$	for G $\frac{1}{8}$ and G $\frac{1}{4}$ (A2)	MS4001-...*2
	Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{1}{4}$ (02) to G $\frac{3}{4}$ (A6)	MS5002-...*2
	Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{3}{4}$ (06) to G2	MS6302-...*2
mounting bracket		for G $\frac{1}{8}$ and G $\frac{1}{4}$ (A2)	BW30-03S
mounting nut			M30x1,5S
mounting bracket		for G $\frac{1}{4}$ (02) and G $\frac{3}{8}$	BW45-03S
mounting nut			M45x1,5S
mounting bracket		for G $\frac{1}{2}$ to G $\frac{3}{4}$ (A6)	BW50-01S
mounting nut			M50x1,5S
mounting bracket		for G $\frac{3}{4}$ (06) and G1	BW00-27S



* at 7 bar overpressure and open outlet

