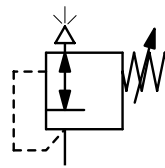


Description	The back pressure regulator protects compressed air devices from excessive pressure. If the pressure setpoint is exceeded, overpressure is vented into the atmosphere until the setpoint is reached again. It is recommended to choose a pressure range as low as possible.
Media	compressed air, gases or liquids
System pressure	see chart, max. 70 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, 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



SST

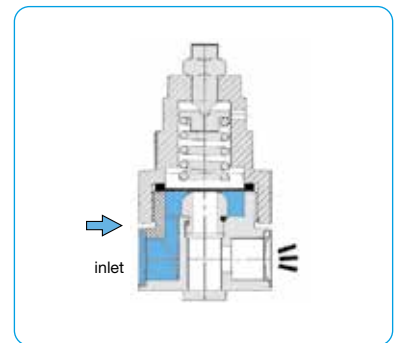
G $\frac{1}{8}$ to G2, FDA
0.1 ... 1.5 / 50 bar

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	

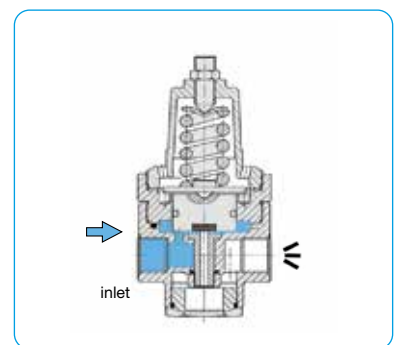
Back pressure regulator					overpressure max. 22.5 / 30 / 70 bar, PTFE diaphragm and FKM o-ring			D3000
40	83	13	M	400	30	G $\frac{1}{8}$	0,1 ... 1,5	D3000-01AT
							0,2 ... 3,0	D3000-01BT
							0,5 ... 8,0	D3000-01DT
							1,0 ... 15	D3000-01ET
40	83	13	M	400	30	G $\frac{1}{4}$	0,1 ... 1,5	D3000-A2AT
							0,2 ... 3,0	D3000-A2BT
							0,5 ... 8,0	D3000-A2DT
							1,0 ... 15	D3000-A2ET
109	140	17	M	2300	22,5	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
109	153	17	K	2300	70		2,0 ... 30	D3000-02FT
							3,0 ... 50	D3000-02GT
109	140	17	M	2300	22,5	G $\frac{3}{8}$	0,1 ... 1,5	D3000-03AT
							0,2 ... 3,0	D3000-03BT
							0,5 ... 8,0	D3000-03DT
							1,0 ... 15	D3000-03ET
109	153	17	K	2300	70		2,0 ... 30	D3000-03FT
							3,0 ... 50	D3000-03GT
109	140	17	M	2300	22,5	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
109	153	17	K	2300	70		2,0 ... 30	D3000-04FT
							3,0 ... 50	D3000-04GT



D3000-02/-03/-04

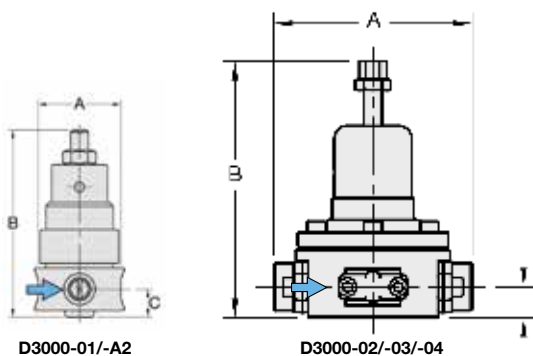


with diaphragm



with piston

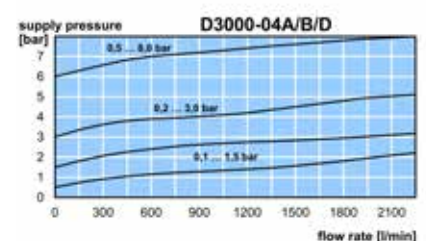
Accessories, see next pages



D3000-01/-A2

D3000-02/-03/-04

*1 at 7 bar overpressure and open outlet



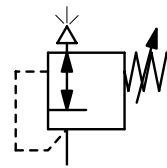
Gauges: see chapter for measuring devices

PDF CAD
www.aircom.net



Order example:
D3000-02AT

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. 70 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 $\frac{1}{4}$ on both sides, 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 EPDM Diaphragm: NBR/Buna-N with PTFE coating, optionally stainless steel Inner valve: stainless steel 316L, material no 1.4404



SST

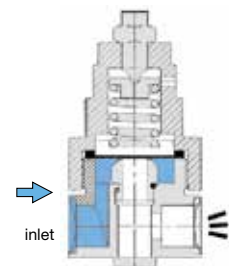
G $\frac{1}{8}$ to G2, FDA
0.1 ... 1.5 / 50 bar

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	

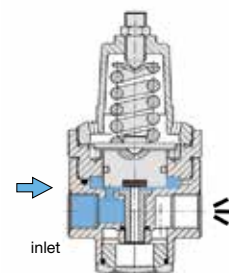
Back pressure regulator					overpressure max. 30 / 65 bar, PTFE diaphragm and FKM o-ring	D3000	
165	246	21	M	8000	30	G $\frac{3}{4}$	0,1 ... 1,5 D3000-06AT 0,2 ... 3,0 D3000-06BT 0,5 ... 8,0 D3000-06DT 1,0 ... 15 D3000-06ET
165	270	21	K	8000	65		2,0 ... 30 D3000-06FT 3,0 ... 50 D3000-06GT
165	246	21	M	8000	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
165	270	21	K	8000	65		2,0 ... 30 D3000-08FT 3,0 ... 50 D3000-08GT
269	246	21	M	8000	30	G1 $\frac{1}{4}$	0,1 ... 1,5 D3000-10AT 0,2 ... 3,0 D3000-10BT 0,5 ... 8,0 D3000-10DT 1,0 ... 15 D3000-10ET
269	270	21	K	8000	65		2,0 ... 30 D3000-10FT 3,0 ... 50 D3000-10GT
269	246	21	M	8000	30	G1 $\frac{1}{2}$	0,1 ... 1,5 D3000-1AAT 0,2 ... 3,0 D3000-1ABT 0,5 ... 8,0 D3000-1ADT 1,0 ... 15 D3000-1AET
269	270	21	K	8000	65		2,0 ... 30 D3000-1AFT 3,0 ... 50 D3000-1AGT



D3000-06/-08/-10/-1A



with diaphragm



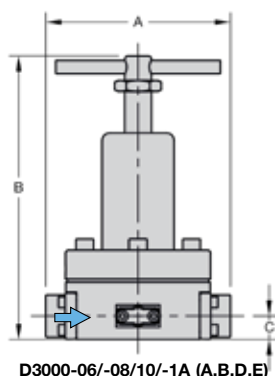
with piston

SST

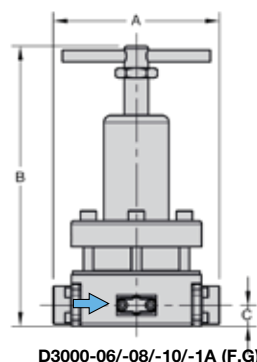
SST

15

Accessories, see next pages

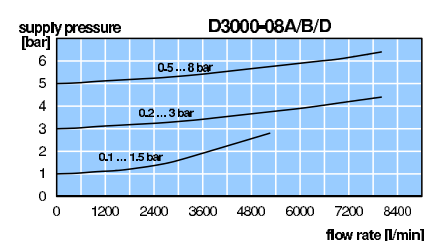


D3000-06/-08/-10/-1A (A,B,D,E)



D3000-06/-08/-10/-1A (F,G)

*1 at 7 bar overpressure and open outlet



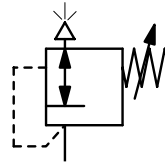
Gauges: see chapter for measuring devices

PDF CAD
www.aircom.net



Order example:
D3000-06AT

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. 70 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 $\frac{1}{4}$ on both sides, 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 EPDM Diaphragm: NBR/Buna-N with PTFE coating, optionally stainless steel Inner valve: stainless steel 316L, material no 1.4404



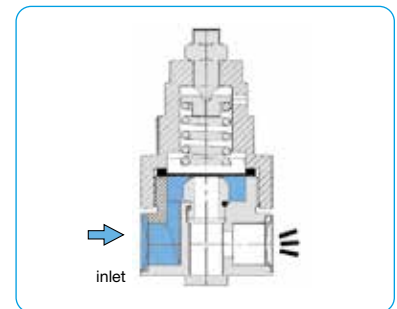
G $\frac{1}{8}$ to G2, FDA
0.1 ... 1.5 / 50 bar

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	

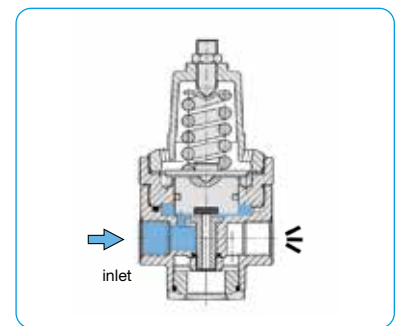
Back pressure regulator					overpressure max. 70 bar, PTFE diaphragm and FKM o-ring		D3000	
174	283	35	M	28 000	70	G1 $\frac{1}{2}$	0.1 ... 1.5	D3000-12AT
							0.2 ... 3.0	D3000-12BT
							0.5 ... 8.0	D3000-12DT
							1.0 ... 15	D3000-12ET
							2.0 ... 30	D3000-12FT
							3.0 ... 50	D3000-12GT
174	283	35	M	28 000	70	G2	0.1 ... 1.5	D3000-16AT
							0.2 ... 3.0	D3000-16BT
							0.5 ... 8.0	D3000-16DT
							1.0 ... 15	D3000-16ET
							2.0 ... 30	D3000-16FT
							3.0 ... 50	D3000-16GT



D3000-12/-16

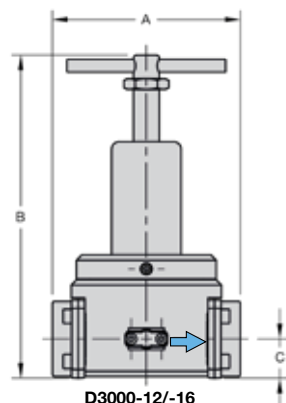


with diaphragm

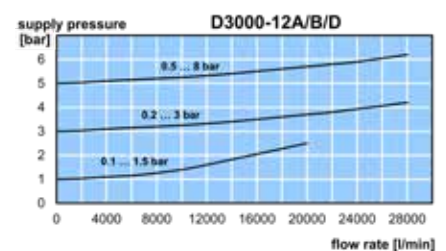


with piston

Accessories, see next page



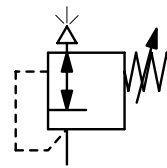
D3000-12/-16



*1 at 7 bar overpressure and open outlet



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. 70 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 $\frac{1}{4}$ on both sides, 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 EPDM Diaphragm: NBR/Buna-N with PTFE coating, optionally stainless steel Inner valve: stainless steel 316L, material no 1.4404

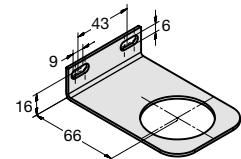


G $\frac{1}{8}$ to G2, FDA
0.1 ... 1.5 / 50 bar

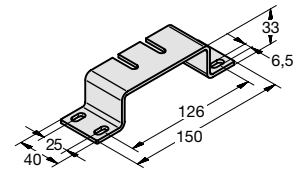
Dimensions	Regul. system	Exhaust	Over-	Connection	Adjustment	Order
A B C	D: Diaphragm	rate	pressure	thread	range	number
mm mm mm	P: Piston	l/min*1	max. bar	G	bar	

Special options, add the appropriate letter

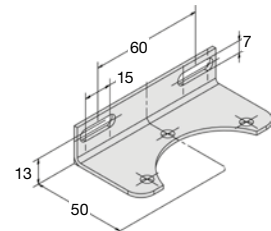
pilot operated	Diaphragm version, control press. max. 15 bar, 1 ... 15 bar	D3000-...J2
pilot operated	Piston version, control press. max. 50 bar, 1 ... 50 bar	D3000-...J5
NPT	connection thread	D3000-...N
down to -40 °C/ -40 °F	low temperature version	D3000-...X51
up to 130 °C/266 °F	high temperature version	D3000-...X54
FKM -o-ring	for piston regulator or PTFE diaphragm	D3000-...T
EPDM-o-ring		D3000-...TE
EPDM-o-ring	FDA-approval	D3000-...TD
SST diaphragm	FKM -o-ring	D3000-...S
	NBR -o-ring	D3000-...SB
	EPDM-o-ring	D3000-...SE
	EPDM-o-ring, FDA-approval	D3000-...SD
ammonia	NH ₃	D3000-...02
carbon dioxide	CO ₂	D3000-...03
argon	Ar	D3000-...05
nitrogen	N ₂	D3000-...07
helium	He	D3000-...09
hydrogen	H ₂	D3000-...11
methane	CH ₄	D3000-...13
natural gas *3		D3000-...14
oxygen	O ₂	D3000-...15
propane	C ₃ H ₈	D3000-...16
nitrous oxide	N ₂ O	D3000-...17
water	H ₂ O	D3000-...W
flange connection	see end of the chapter / flanges	D3000-...F.



BW45-03S



BW00-59S



BW00-63S

SST



Accessories, enclosed

pressure gauge	Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{1}{4}$ to G $\frac{1}{2}$	MS5002-...*2
	Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{3}{4}$ to G2	MS6302-...*2
mounting bracket		for G $\frac{1}{4}$ and G $\frac{1}{2}$	BW45-03S
mounting nut			M45x1,5S
mounting bracket		for G $\frac{3}{4}$ to G1 $\frac{1}{2}$ (1A)	BW00-59S
		for G1 $\frac{1}{2}$ (12) and G2	BW00-63S

*1 at 7 bar overpressure and open outlet

*2 02 = 0...2.5 bar, 04 = 0...4 bar, 06 = 0...6 bar, 10 = 0...10 bar, 16 = 0...16 bar, 60 = 0...60 bar

*3 without DVGW-approval

