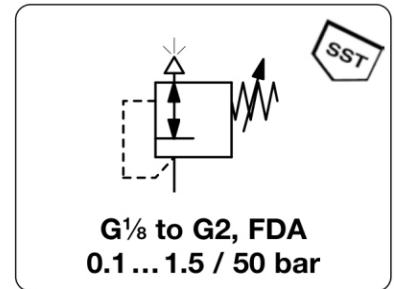


D3000 - Régulateur de pression amont en acier inoxydable 316L

D3000 - Back pressure regulator made of stainless steel throughout

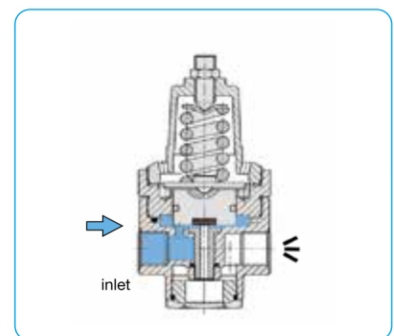
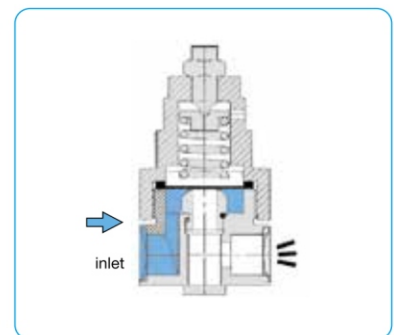
Description	The back pressure regulator protects compressed air devices from excessive pressure. If the pressure setpoint is exceeded, overpressure is vented into the atmosphere until the setpoint is reached again. It is recommended to choose a pressure range as low as possible.
Media	compressed air, gases or liquids
System pressure	see chart, max. 70 bar
Adjustment	by adjusting screw at D3000-01 to -A6, with locknut
Gauge port	by T-handle at D3000-06 to -16, with locknut
Mounting position	for inlet pressure, G $\frac{1}{4}$ on both sides for -01 and -A2, G $\frac{1}{4}$ on one side for -02 to -16, screw plug(s) are supplied 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



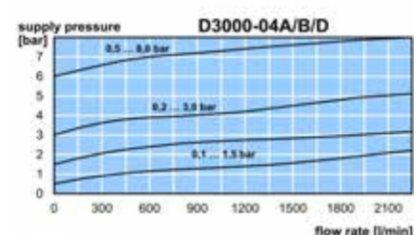
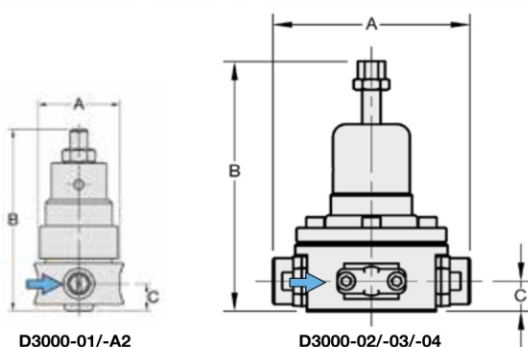
Dimensions			Regul. system	Exhaust	Over-	Connection	Adjustment	Order
A	B	C	D: Diaphragm	rate	pressure	thread	range	number
mm	mm	mm	P: Piston	l/min*1	max. bar	G	bar	



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



Accessories, see next pages

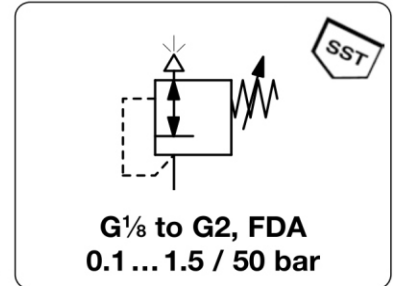


*1 at 7 bar overpressure and open outlet

D3000 - Régulateur de pression amont en acier inoxydable 316L

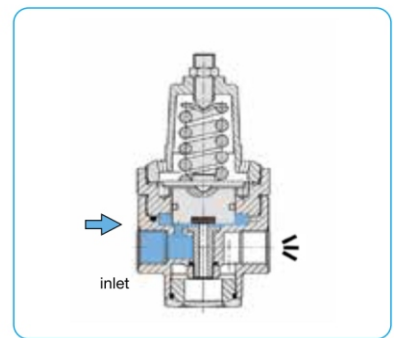
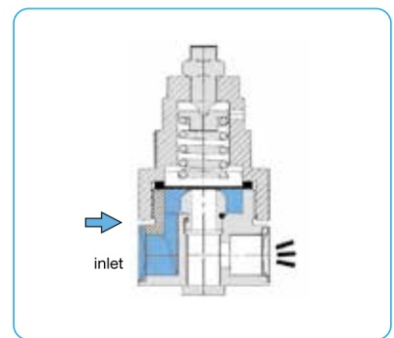
D3000 - Back pressure regulator made of stainless steel throughout

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. 70 bar
Adjustment	by adjusting screw at D3000-01 to -A6, with locknut
Gauge port	by T-handle at D3000-06 to -16, with locknut
Mounting position	for inlet pressure, G $\frac{1}{4}$ on both sides for -01 and -A2, G $\frac{1}{4}$ on one side for -02 to -16, screw plug(s) are supplied
Temperature range	any
Material	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 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

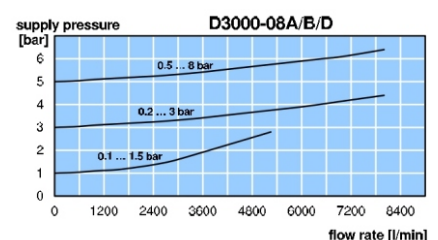
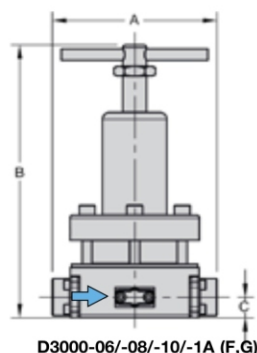
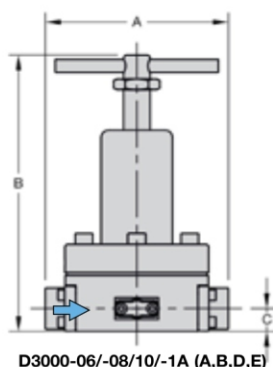


Dimensions			Regul. system	Exhaust	Over-	Connection	Adjustment	Order
A	B	C	D: Diaphragm	rate	pressure	thread	range	number
mm	mm	mm	P: Piston	l/min*1	max. bar	G	bar	

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



Accessories, see next pages

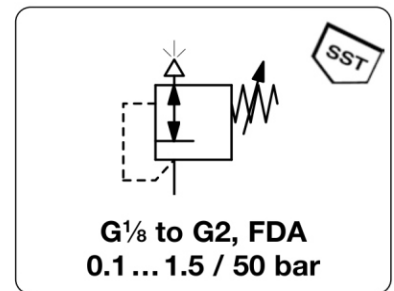


*1 at 7 bar overpressure and open outlet

D3000 - Régulateur de pression amont en acier inoxydable 316L

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. 70 bar
Adjustment	by adjusting screw at D3000-01 to -A6, with locknut
Gauge port	by T-handle at D3000-06 to -16, with locknut
Mounting position	for inlet pressure, G $\frac{1}{4}$ on both sides for -01 and -A2, G $\frac{1}{4}$ on one side for -02 to -16, screw plug(s) are supplied 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

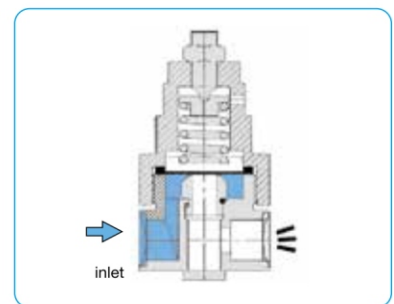


Dimensions			Regul. system	Exhaust	Over-	Connection	Adjustment	Order
A	B	C	D: Diaphragm	rate	pressure	thread	range	number
mm	mm	mm	P: Piston	l/min*1	max. bar	G	bar	

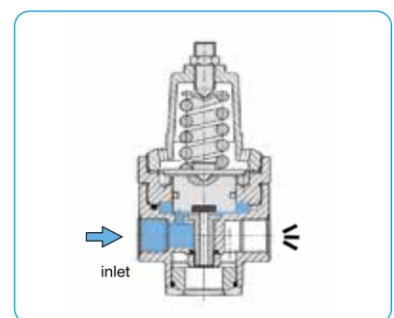


D3000-12/-16

Back pressure regulator					overpressure max. 70 bar, PTFE diaphragm and FKM o-ring		D3000
174	283	35	M	28000	70	G $\frac{1}{2}$	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	28000	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
171							

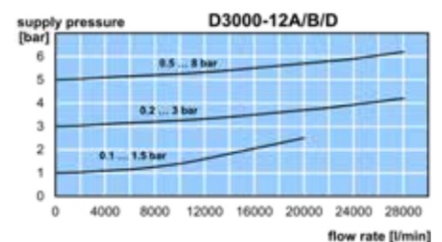
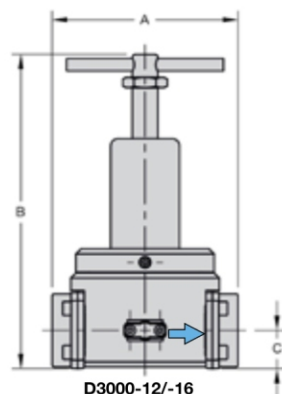


with diaphragm



with piston

Accessories, see next page

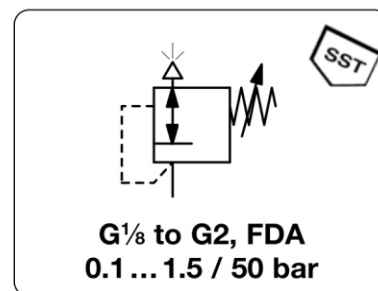


*1 at 7 bar overpressure and open outlet

D3000 - Régulateur de pression amont en acier inoxydable 316L

D3000 - Back pressure regulator made of stainless steel throughout

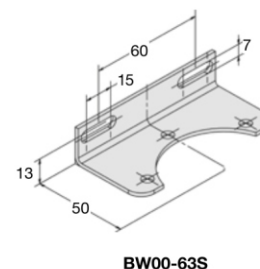
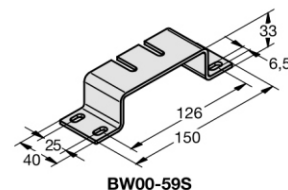
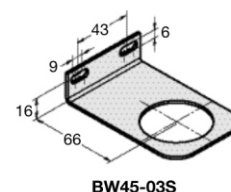
Description	The back pressure regulator protects compressed air devices from excessive pressure. If the pressure setpoint is exceeded, overpressure is vented into the atmosphere until the setpoint is reached again. It is recommended to choose a pressure range as low as possible.
Media	compressed air, gases or liquids
System pressure	see chart, max. 70 bar
Adjustment	by adjusting screw at D3000-01 to -A6, with locknut
Gauge port	by T-handle at D3000-06 to -16, with locknut
Mounting position	for inlet pressure, G $\frac{1}{4}$ on both sides for -01 and -A2, G $\frac{1}{4}$ on one side for -02 to -16, screw plug(s) are supplied 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



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	according to EN-1092-1 or ASME B16.5	D3000-... F.s.



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