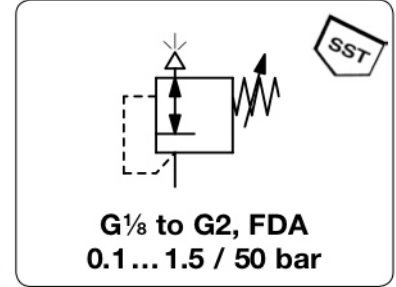


D3000 - Régulateur de pression amont en acier inoxydable 316L

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
Gauge port	by T-handle at D3000-06 to -16, with locknut
Mounting position	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
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 NBR/Buna-N or EPDM Diaphragm: NBR/Buna-N with PTFE coating, optionally stainless steel Inner valve: stainless steel 316L, material no 1.4404

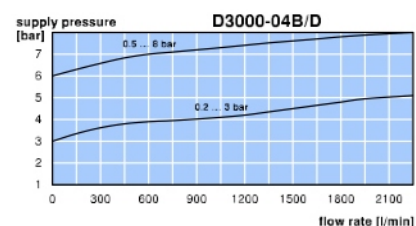
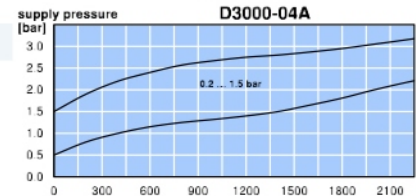
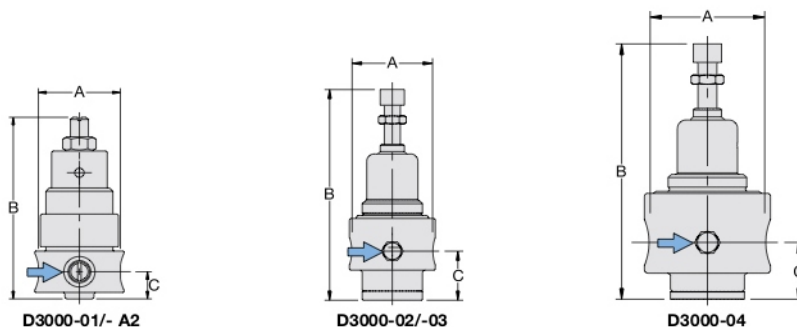


Dimensions			Regul. system	Exhaust	Over-	Connection	Adjustment	Order
A	B	C	D: Diaphragm	rate	pressure	thread	range	number
mm	mm	mm	P: Piston	l/min*1	max. bar	G	bar	

Back pressure regulator				overpressure max. 30 / 65 bar, PTFE diaphragm and FKM o-ring			D3000	
40	83	13	D	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	D	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
64	161	38	D	800	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	175	38	P	800	65	G $\frac{1}{4}$	2.0 ... 30	D3000-02FT
							3.0 ... 50	D3000-02GT
64	161	38	D	800	30	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
64	175	38	P	800	65	G $\frac{3}{8}$	2.0 ... 30	D3000-03FT
							3.0 ... 50	D3000-03GT
80	166	37	D	2500	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
80	166	37	P	2500	65	G $\frac{1}{2}$	2.0 ... 30	D3000-04FT
							3.0 ... 50	D3000-04GT



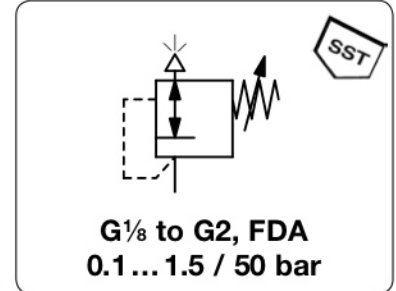
Accessories, see next pages



*1 at 7 bar overpressure and open outlet

D3000 - Régulateur de pression amont en acier inoxydable 316L

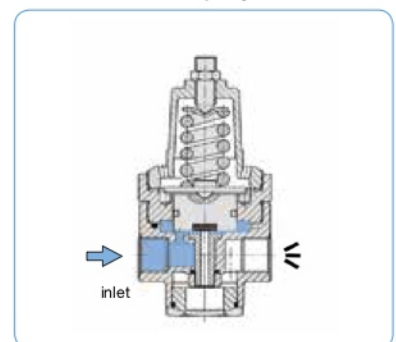
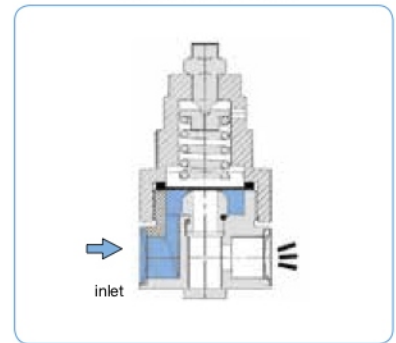
Description	The back pressure regulator protects compressed air devices from excessive pressure. If the pressure setpoint is exceeded, overpressure is vented into the atmosphere until the setpoint is reached again. It is recommended to choose a pressure range as low as possible.
Media	compressed air, gases or liquids
System pressure	see chart, max. 65 bar
Adjustment	by adjusting screw at D3000-01 to -A6, with locknut
Gauge port	by T-handle at D3000-06 to -16, with locknut
Mounting position	for inlet pressure, G $\frac{3}{4}$ on both sides of the body at D3000-01, all others G $\frac{1}{4}$, screw plugs 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



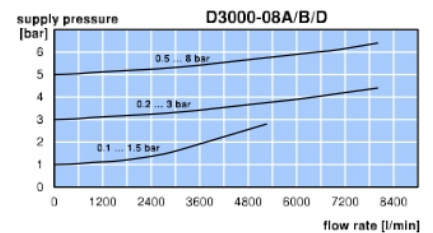
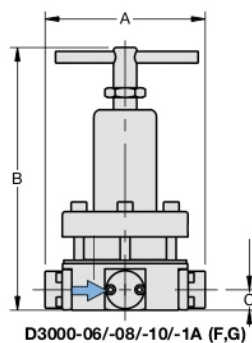
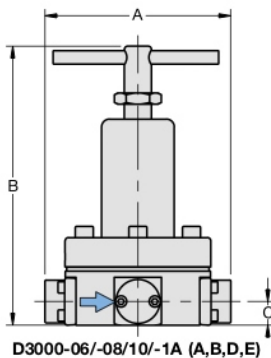
Dimensions			Regul. system	Exhaust	Over-	Connection	Adjustment	Order
A	B	C	D: Diaphragm	rate	pressure	thread	range	number
mm	mm	mm	P: Piston	l/min*1	max. bar	G	bar	



Back pressure regulator			overpressure max. 30 / 65 bar, PTFE diaphragm and FKM o-ring			D3000		
165	257	21	D	8 000	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	271	21	P	8 000	65		2.0 ... 30	D3000-06FT
							3.0 ... 50	D3000-06GT
165	257	21	D	8 000	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	271	21	P	8 000	65		2.0 ... 30	D3000-08FT
							3.0 ... 50	D3000-08GT
269	257	21	D	8 000	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	271	21	P	8 000	65		2.0 ... 30	D3000-10FT
							3.0 ... 50	D3000-10GT
269	257	21	D	8 000	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	271	21	P	8 000	65		2.0 ... 30	D3000-1AFT
							3.0 ... 50	D3000-1AGT



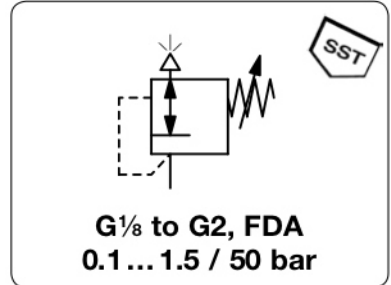
Accessories, see next pages



*1 at 7 bar overpressure and open outlet

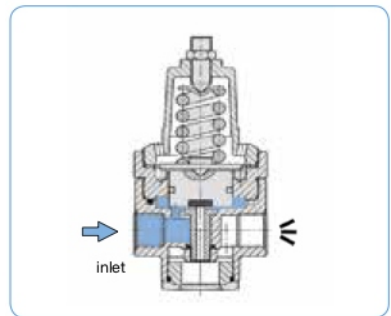
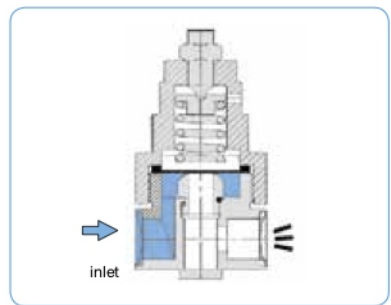
D3000 - Régulateur de pression amont en acier inoxydable 316L

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

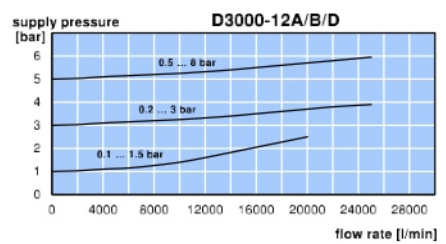
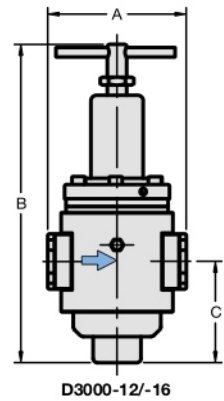


Dimensions			Regul. system	Exhaust	Over-	Connection	Adjustment	Order
A	B	C	D: Diaphragm	rate	pressure	thread	range	number
mm	mm	mm	P: Piston	l/min*1	max. bar	G	bar	

Back pressure regulator				overpressure max. 30 / 65 bar, PTFE diaphragm and FKM o-ring		D3000	
171	377	128	P	25 000	30	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
171	387	128	P	25 000	65		2.0 ... 30 D3000-12FT 3.0 ... 50 D3000-12GT
171	377	128	P	25 000	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
171	387	128	P	25 000	65		2.0 ... 30 D3000-16FT 3.0 ... 50 D3000-16GT



Accessories, see next page

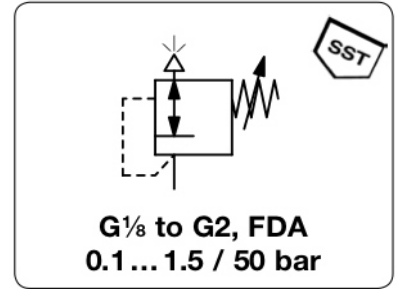


*1 at 7 bar overpressure and open outlet



D3000 - Régulateur de pression amont en acier inoxydable 316L

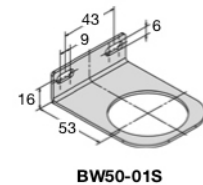
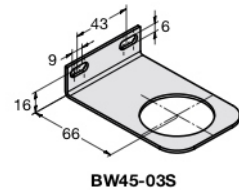
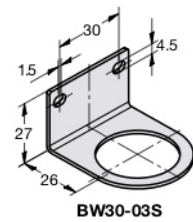
Description	The back pressure regulator protects compressed air devices from excessive pressure. If the pressure setpoint is exceeded, overpressure is vented into the atmosphere until the setpoint is reached again. It is recommended to choose a pressure range as low as possible.
Media	compressed air, 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 $\frac{3}{8}$ 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	

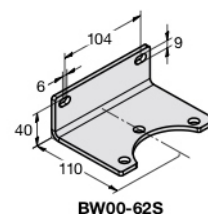
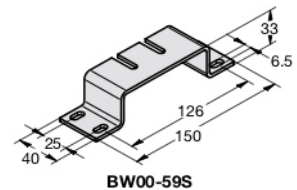
Special options, add the appropriate letter

NPT	connection thread	for G $\frac{1}{8}$ to G $\frac{1}{2}$, G1 $\frac{1}{2}$ (12) and G2	D3000-...N
NPT	connection thread	for G $\frac{3}{4}$ to G1 $\frac{1}{2}$ (1A)	D3000-...N
down 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 regulator or PTFE diaphragm		D3000-...T
EPDM-o-ring			D3000-...TE
EPDM-o-ring	FDA-approval		D3000-...TD
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-approval	for G $\frac{1}{4}$ (02)	D3000-02.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.



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 $\frac{1}{2}$	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 $\frac{1}{2}$	BW50-01S
mounting nut			M50x1,5S
mounting bracket		for G $\frac{3}{4}$ to G1 $\frac{1}{2}$ (1A)	BW00-59S
		for G1 $\frac{1}{2}$ (12) and G2	BW00-62S



*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