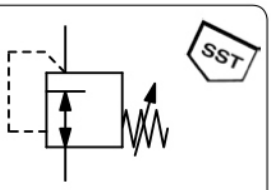
R3100 - Mano-détendeur basse pression en acier inoxydable, compatible avec air, ammoniaque, Co2, argon, azote, helium, hydrogène, méthane, gaz naturel, etc...

Description	Precision low pressure regulator with large diaphragm, completely made of stainless steel.
Media	compressed air or gases
Supply pressure	max. 7 bar, min. 1 bar
Air consumption	without constant bleed
Adjustment	by adjusting screw at R3100-04, -06 to -1A (A,B,C), - 12 and -16 by T-handle at R3100-06 to --1A (D,E), with locknut
Relieving function	non-relieving
Gauge port	G¼ on both sides of the body, one screw plug supplied
Mounting position	any
Temperature range	0 °C bis 80 °C / 32 °C to 176 °F, FKM or EPDM 0 °C bis 130 °C / 32 °C to 266 °F, high temperature version, for appropriately conditioned compr. air down to -20 °C / - 4 °F, or low temperature down to -40 °C/-40°F
Material	Body: stainless steel 316L, material no. 1.4404 O-rings: FKM Diaphragm: NBR/Buna-N with PTFE coating Inner valve: stainless steel 316L / 1.4404



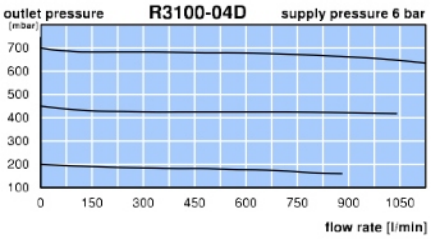
G½ up to G2
5…45/3000 mbar

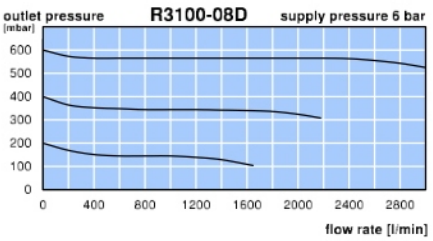
Dimensions A mm	B mm	C mm	K_v-value (m^3/h)	Flow rate m^3/h*1	l/min*1	Supply pressure max. bar	Connection-thread G	Pressure range mbar	Order number
Low pressure regulator made of SST, supply pressure max. 7 bar, non-relieving diaphragm NBR/Buna-N with PTFE coating, FKM o-ring									**R3100**
80	177	37	0.4	60	1000	6	G½*2	5… 45	R3100-04A
								20… 200	R3100-04C
								150… 700	R3100-04D
161	217	68	1.8	180	3000	7	G¾	5… 45	R3100-06A
								10… 120	R3100-06B
								10… 400	R3100-06C
161	296	53						15… 700	R3100-06D
								200…1200	R3100-06E
161	217	68	1.8	180	3000	7	G1	5… 45	R3100-08A
								10… 120	R3100-08B
								10… 400	R3100-08C
161	296	53						15… 700	R3100-08D
								200…1200	R3100-08E
265	217	68	1.8	180	3000	7	G1¼	5… 45	R3100-10A
								10… 120	R3100-10B
								10… 400	R3100-10C
265	296	53						15… 700	R3100-10D
								200…1200	R3100-10E
265	217	68	1.8	180	3000	7	G1½	5… 45	R3100-1AA
								10… 120	R3100-1AB
								10… 400	R3100-1AC
265	296	53						15… 700	R3100-1AD
								200…1200	R3100-1AE
171	431	97	5.7	480	8000	6	G1½	20… 50	R3100-12A
171	467	97						50… 150	R3100-12B
171	430	97						150… 300	R3100-12D
								300…3000	R3100-12G
171	431	97	5.7	480	8000	6	G2	20… 50	R3100-16A
171	467	97						50… 150	R3100-16B
171	430	97						150… 300	R3100-16D
								300…3000	R3100-16G

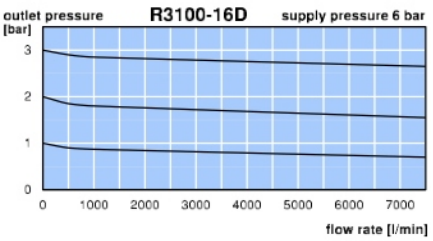
R3100-04
accessory: gauge

R3100-06/-08/-10/-1A
accessory: gauge

R3100-12/-16
accessory: gauge







*1 at 6 bar supply pressure and 1 bar /. 0.7 bar (-04) outlet pressure

*2 G¾ thread at outlet

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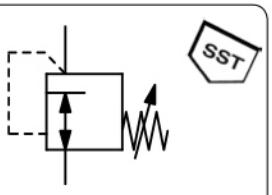
R3100 - Mano-détendeur basse pression en acier inoxydable, compatible avec air, ammoniaque, Co2, argon, azote, helium, hydrogène, méthane, gaz naturel, etc...

Description	Precision low pressure regulator with large diaphragm, completely made of stainless steel.
Media	compressed air or gases
Supply pressure	max. 7 bar, min. 1 bar
Air consumption	without constant bleed
Adjustment	by adjusting screw at R3100-04, -06 to -1A (A,B,C), - 12 and -16 by T-handle at R3100-06 to --1A (D,E), with locknut
Relieving function	non-relieving
Gauge port	G¼ on both sides of the body, one screw plug supplied
Mounting position	any
Temperature range	0 °C bis 80 °C / 32 °C to 176 °F, FKM or EPDM 0 °C bis 130 °C / 32 °C to 266 °F, high temperature version, for appropriately conditioned compr. air down to -20 °C / - 4 °F, or low temperature down to -40 °C/-40°F
Material	Body: stainless steel 316L, material no. 1.4404 O-rings: FKM Diaphragm: NBR/Buna-N with PTFE coating Inner valve: stainless steel 316L / 1.4404



G½ up to G2
5…45/3000 mbar

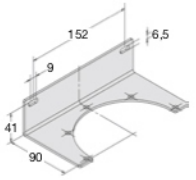
Dimensions A mm	B mm	C mm	K_v-value (m^3/h)	Flow rate m^3/h*1	l/min*1	Supply pressure max. bar	Connection-thread G	Pressure range mbar	Order number

Special options, add the appropriate letter

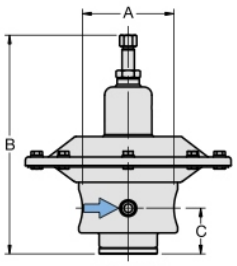
NPT	connection thread		R3100- . . . **N**
EPDM o-ring			R3100- . . . **E**
EPDM o-ring	FDA-approval		R3100- . . . .**TD**
down to -40 °C/-40 °F	low temperature version	from G¼ (02) on	R3100- **X51**
up to 130 °C/266 °F	high temperature version	from G¼ (02) on	R3100- **X54**
ammonia	NH_3		R3100- **02**
carbon dioxide	CO_2		R3100- **03**
argon	Ar		R3100- **05**
nitrogen	N_2		R3100- **07**
helium	He		R3100- **09**
hydrogen	H_2		R3100- **11**
methane	CH_4		R3100- **13**
natural gas *3			R3100- **14**
oxygen	O_2		R3100- **15**
propane	C_3H_8		R3100- **16**
nitrous oxide	N_2O		R3100- **17**
flance connection	see end of the chapter / flanges		R3100- . . . .**F.**

Accessories, enclosed

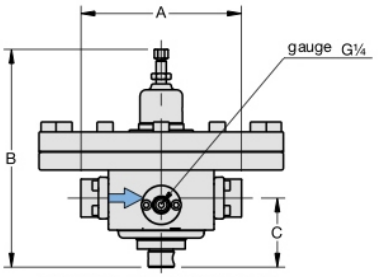
pressure gauge	Ø 63 mm, 0…*4 mbar, G¼, capsule type	up to 600 mbar	**MS6302- . .** *4
	Ø 63 mm, 0…*5 bar, G¼, Bourdon tube	from 1 bar on	**MS6302- . .** *5
connect. parts gauge		for G½	**AM-03S**
mounting bracket		for G½	**BW00-26S**



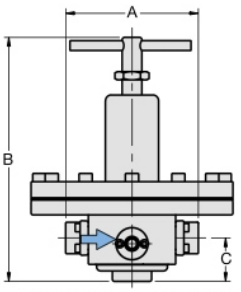
BW00-26S



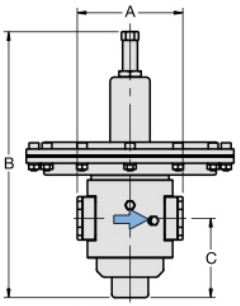
R3100-04



R3100-06-/-08/-10/-1A(A,B,C)



R3100-06-/-08/-10/-1A(D,E)



R3100-12-/-16

*1 at 6 bar supply pressure and 1 bar /. 0.7 bar (-04) outlet pressure
*3 without DVGW-approval
*4 **B6** = 0…60 mbar, **C3** = 0…250 mbar, **C4** = 0…400 mbar, **C6** = 0…600 mbar
*5 **02** = 0…2 bar, **04** = 0…4 bar, **06** = 0…6 bar

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