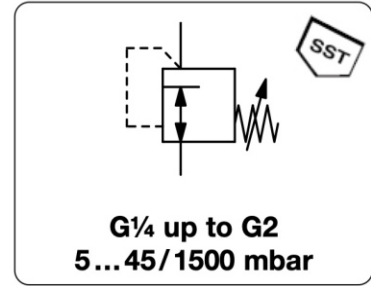


R3100 - Mano-détendeur basse pression en acier inoxydable, compatible avec air, ammoniacque, Co2, argon, azote, helium, hydrogène, méthane, gaz naturel, etc...

Description	Precision low pressure regulator with large diaphragm, completely made of stainless steel.
Media	compressed air or gases
Supply pressure	see table, max. 10 bar, min. 1 bar
Air consumption	without constant bleed
Adjustment	by adjusting screw
Relieving function	non-relieving
Gauge port	G $\frac{1}{4}$ 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



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

Low pressure regulator

made of SST, supply pressure max. 6/7 bar, non-relieving diaphragm NBR/Buna-N with PTFE coating, FKM o-ring

R3100

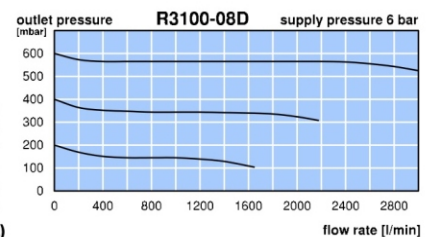
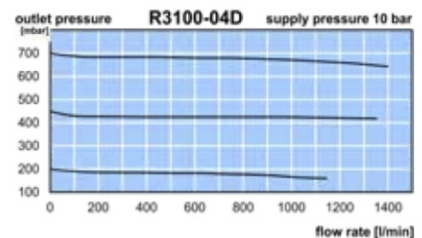
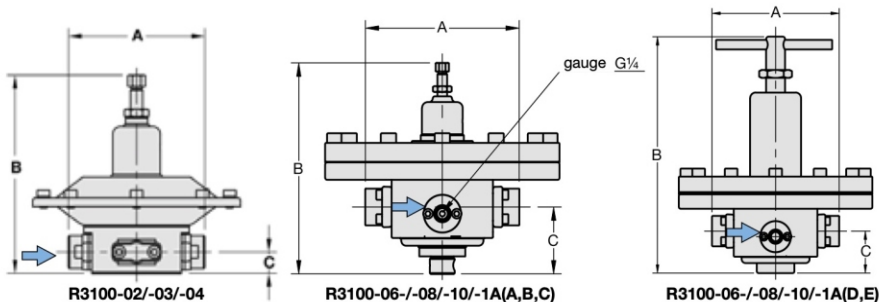
109	181	39	1.4	84	1400	10	G $\frac{1}{4}$	5 ... 45 10 ... 400 20 ... 1000 50 ... 1500	R3100-02A R3100-02C R3100-02D R3100-02D
109	181	39	1.4	84	1400	10	G $\frac{3}{8}$	5 ... 45 10 ... 100 20 ... 1000 50 ... 1500	R3100-03A R3100-03C R3100-03D R3100-03D
109	181	39	1.4	84	1400	10	G $\frac{1}{2}$	5 ... 45 10 ... 100 20 ... 1000 50 ... 1500	R3100-04A R3100-04C R3100-04D R3100-04E
161	234	69	1.4	84	1400	7	G $\frac{3}{8}$	5 ... 45 10 ... 120 10 ... 400	R3100-06A R3100-06B R3100-06C
161	296	53	8.4	576	9600			15 ... 700 200 ... 1200	R3100-06D R3100-06E
161	234	69	1.4	84	1400	7	G1	5 ... 45 10 ... 120 10 ... 400	R3100-08A R3100-08B R3100-08C
161	296	53	8.4	576	9600			15 ... 700 200 ... 1200	R3100-08D R3100-08E



R3100-04



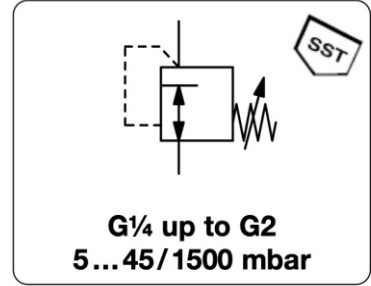
R3100-06/-08/-10/-1A
accessory: gauge



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

R3100 - Mano-détendeur basse pression en acier inoxydable, compatible avec air, ammoniacque, 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	see table, max. 10 bar, min. 1 bar
Air consumption	without constant bleed
Adjustment	by adjusting screw
Relieving function	non-relieving
Gauge port	G $\frac{1}{4}$ 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

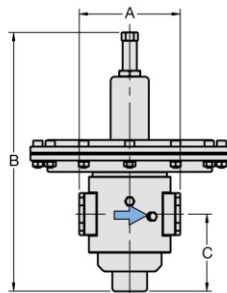


Dimensions			K _v - value (m ³ /h)	Flow rate		Supply pressure max. bar	Connection- thread G	Pressure range mbar	Order number
A	B	C		m ³ /h*	l/min*				

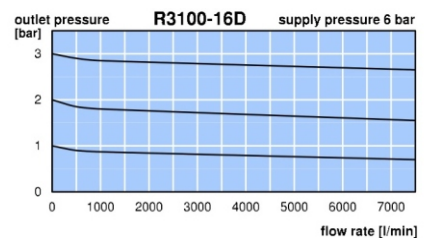
Low pressure regulator								made of SST, supply pressure max. 6/7 bar, non-relieving diaphragm NBR/Buna-N with PTFE coating, FKM o-ring	R3100
265	234	69	1.4	84	1400	7	G $\frac{1}{4}$	5... 45 10... 120 10... 400	R3100-10A R3100-10B R3100-10C R3100-10D R3100-10E
265	296	53	8.4	576	9600			15... 700 200... 1200	R3100-10A R3100-10B R3100-10C R3100-10D R3100-10E
265	234	69	1.4	84	1400	7	G $\frac{1}{2}$	5... 45 10... 120 10... 400	R3100-11A R3100-11B R3100-11C R3100-11D R3100-11E
265	296	53	8.4	576	9600			15... 700 200... 1200	R3100-11A R3100-11B R3100-11C R3100-11D R3100-11E
171	431	97	6.2	420	7000	6	G $\frac{1}{2}$	20... 50 50... 150 150... 300	R3100-12A R3100-12B R3100-12D R3100-12E
171	467	97						100... 1000	R3100-12A R3100-12B R3100-12D R3100-12E
171	430		25	1680	28000				R3100-12A R3100-12B R3100-12D R3100-12E
171	431	97	6.2	420	7000	6	G2	20... 50 50... 150 150... 300	R3100-16A R3100-16B R3100-16D R3100-16E
171	467	97						100... 1000	R3100-16A R3100-16B R3100-16D R3100-16E
171	430	97	25	1680	28000				R3100-16A R3100-16B R3100-16D R3100-16E



R3100-12/-16



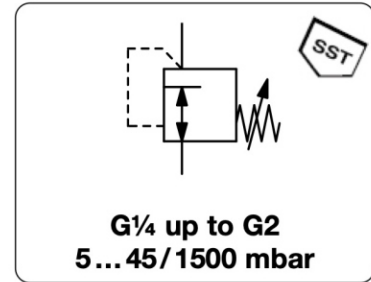
R3100-12/-16



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

R3100 - Mano-détendeur basse pression en acier inoxydable, compatible avec air, ammoniacque, 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
Relieving function	non-relieving
Gauge port	G $\frac{1}{4}$ 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



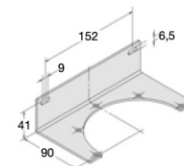
Dimensions			K _v - value	Flow		Supply pressure	Connection- thread	Pressure range	Order number
A	B	C		m ³ /h	m ³ /h*1				

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	R3100-... X51
up to 130 °C/266 °F	high temperature version	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 *2		R3100-... 14
oxygen	O ₂	R3100-... 15
propane	C ₃ H ₈	R3100-... 16
nitrous oxide	N ₂ O	R3100-... 17
flange connection	see end of the chapter / flanges	R3100-... F .

Accessories, enclosed

pressure gauge	Ø 63 mm, 0... ^{*3} mbar, G $\frac{1}{4}$, capsule type	up to 600 mbar	MS6302-...^{*3}
	Ø 63 mm, 0... ^{*4} bar, G $\frac{1}{4}$, Bourdon tube	from 1 bar on	MS6302-...^{*4}
mounting bracket		for G $\frac{1}{4}$ to G $\frac{1}{2}$	BW00-26S



BW00-26S

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

*3 B6 = 0...60 mbar, C3 = 0...250 mbar, C4 = 0...400 mbar, C6 = 0...600 mbar

*2 without DVGW-approval

*4 02 = 0...2 bar, 04 = 0...4 bar, 06 = 0...6 bar