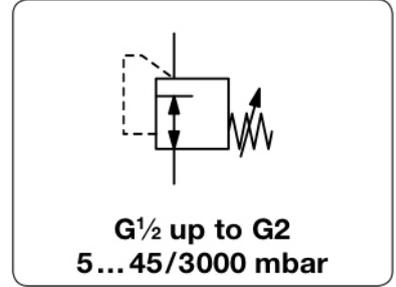


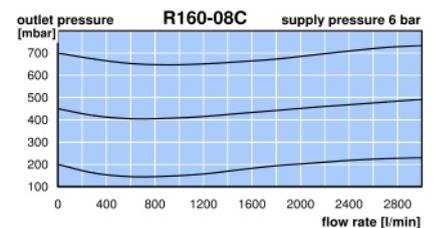
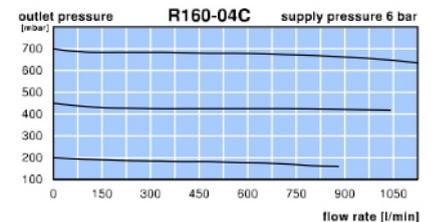
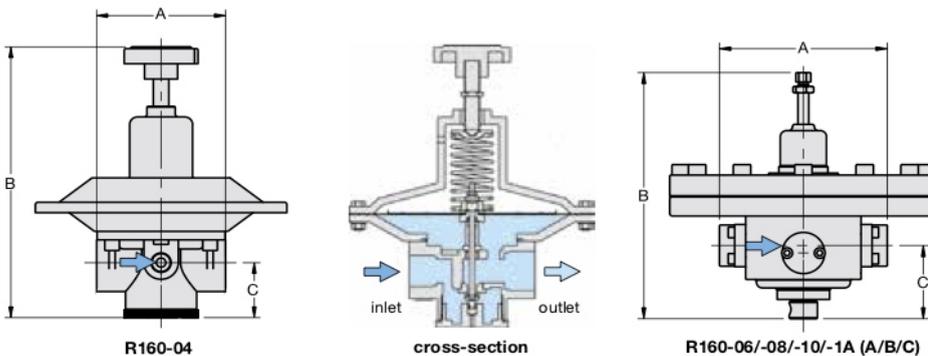
# R160 - Régulateur basse pression universel, compatible avec de nombreux gaz, CO<sub>2</sub>, Ar, N<sub>2</sub>, He, H<sub>2</sub>, CH<sub>4</sub>, O<sub>2</sub>, C<sub>3</sub>H<sub>8</sub>, N<sub>2</sub>O ...

<b>Description</b>	Low pressure regulator with large diaphragm for good accuracy and high sensitivity.
<b>Media</b>	compressed air or non-corrosive gases
<b>Supply pressure</b>	max. 7 bar, min. 1 bar
<b>Air consumption</b>	without constant bleed
<b>Adjustment</b>	for G <sup>3</sup> / <sub>4</sub> and G <sup>1</sup> / <sub>2</sub> : by handwheel with locknut from G1: by hexagon head screw with locknut
<b>Relieving function</b>	non-relieving
<b>Gauge port</b>	G <sup>1</sup> / <sub>4</sub> on both sides of the body, screw plug supplied
<b>Mounting position</b>	any
<b>Temperature range</b>	-20 °C to 80 °C / -4 °F to 176 °F
<b>Material</b>	Body: aluminium coated O-rings: NBR/Buna-N, optionally FKM or EPDM Diaphragm: NBR/Buna-N with PTFE coating Inner valve: stainless steel / brass Spring cage: stainless steel



Dimensions			K <sub>v</sub> -value	Flow rate		P <sub>1</sub> max. bar	Connection thread G	Pressure range mbar	Order number
A	B	C		m <sup>3</sup> /h*1	l/min*1				

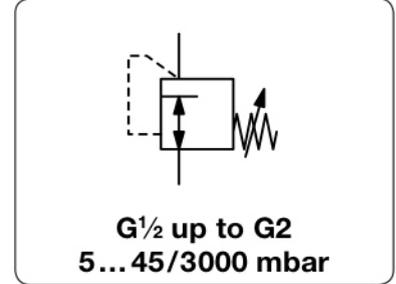
Low pressure regulator							supply pressure max. 6 / 7 bar, non-relieving, without constant bleed		R160	
82	188	38	0.4	60	1000	6	G <sup>1</sup> / <sub>2</sub> *3	5... 45	20... 200	R160-04A
								150... 700		R160-04B
										R160-04C
154	233	69	1.8	180	3000	7	G <sup>3</sup> / <sub>4</sub>	5... 45	10... 120	R160-06A
								10... 400		R160-06B
								15... 700		R160-06C
154	292	53						200... 1200		R160-06D
										R160-06E
154	233	69	1.8	180	3000	7	G1	5... 45	10... 120	R160-08A
								10... 400		R160-08B
								15... 700		R160-08C
154	292	53						200... 1200		R160-08D
										R160-08E
263	233	69	1.8	180	3000	7	G <sup>1</sup> / <sub>4</sub>	5... 45	10... 120	R160-10A
								10... 400		R160-10B
								15... 700		R160-10C
263	292	53						200... 1200		R160-10D
										R160-10E
263	233	69	1.8	180	3000	7	G <sup>1</sup> / <sub>2</sub>	5... 45	10... 120	R160-1AA
								10... 400		R160-1AB
								15... 700		R160-1AC
263	292	53						200... 1200		R160-1AD
										R160-1AE



\*1 at 6 bar supply pressure and max. outlet pressure \*2 see description above \*3 thread at outlet G<sup>3</sup>/<sub>4</sub>

# R160 - Régulateur basse pression universel, compatible avec de nombreux gaz, CO<sub>2</sub>, Ar, N<sub>2</sub>, He, H<sub>2</sub>, CH<sub>4</sub>, O<sub>2</sub>, C<sub>3</sub>H<sub>8</sub>, N<sub>2</sub>O ...

<b>Description</b>	Low pressure regulator with large diaphragm for good accuracy and high sensitivity.
<b>Media</b>	compressed air or non-corrosive gases
<b>Supply pressure</b>	max. 7 bar, min. 1 bar
<b>Air consumption</b>	without constant bleed
<b>Adjustment</b>	for G $\frac{1}{2}$ and G $\frac{3}{4}$ : by handwheel with locknut for G1: by hexagon head screw with locknut
<b>Relieving function</b>	non-relieving
<b>Gauge port</b>	G $\frac{1}{4}$ on both sides of the body, screw plug supplied
<b>Mounting position</b>	any
<b>Temperature range</b>	-20 °C to 80 °C / -4 °F to 176 °F
<b>Material</b>	Body: aluminium coated O-rings: NBR/Buna-N, optionally FKM or EPDM Diaphragm: NBR/Buna-N with PTFE coating Inner valve: stainless steel / brass Spring cage: stainless steel



Dimensions			K <sub>v</sub>	Flow rate	P <sub>1</sub>	Connection	Pressure	Order
A	B	C	value	m <sup>3</sup> /h*1	l/min*1	max. thread	range	number
mm	mm	mm	(m <sup>3</sup> /h)			G	mbar	

Low pressure regulator								supply pressure max. 6 / 7 bar, non-relieving, without constant bleed		R160
215	472	128	5.7	480	8000	6	G1 $\frac{1}{2}$	20... 50		<b>R160-12A</b>
								50... 150		<b>R160-12B</b>
								150... 300		<b>R160-12C</b>
								300... 3000		<b>R160-12D</b>
215	472	128	5.7	480	8000	6	G2	20... 50		<b>R160-16A</b>
								50... 150		<b>R160-16B</b>
								150... 300		<b>R160-16C</b>
								300... 3000		<b>R160-16D</b>



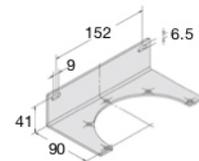
R160-12/-16

## Special options, add the appropriate letter

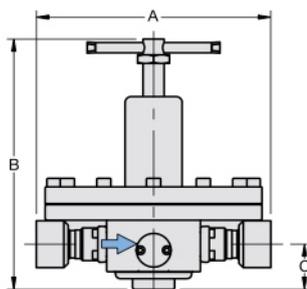
<b>NPT</b>	connection thread	for G1	to G2	R160-... N
<b>SST inner parts</b>	for ammonia NH <sub>3</sub>	for G $\frac{1}{2}$	and G1 $\frac{1}{2}$ (-1A)	R160-... 02
		for G1 $\frac{1}{2}$ (-12)	and G2	R160-1... 02
<b>FKM -o-ring</b>	PTFE diaphragm			R160-... T
<b>EPDM-o-ring</b>				R160-... TE
<b>EPDM-o-ring</b>	FDA-approval			R160-... TD
<b>carbon dioxide</b>	CO <sub>2</sub>			R160-... 03
<b>argon</b>	Ar			R160-... 05
<b>nitrogen</b>	N <sub>2</sub>			R160-... 07
<b>helium</b>	He			R160-... 09
<b>hydrogen</b>	H <sub>2</sub>			R160-... 11
<b>methane</b>	CH <sub>4</sub>			R160-... 13
<b>natural gas *4</b>				R160-... 14
<b>oxygen</b>	O <sub>2</sub>			R160-... 15
<b>propane</b>	C <sub>3</sub> H <sub>8</sub>			R160-... 16
<b>nitrous oxide</b>	N <sub>2</sub> O			R160-... 17
<b>flange connection</b>	see chapter for stainless steel devices			R160-... F.

## Accessories, enclosed

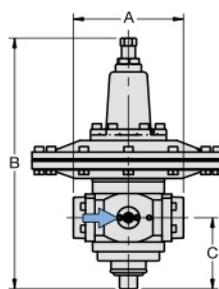
<b>pressure gauge</b>	Ø 63 mm, 0...*2 mbar, G $\frac{1}{4}$ , capsule type, connection parts required	<b>MA6302-... *2</b>
	Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$ , Bourdon tube, connection parts required	<b>MA6302-... *2</b>
<b>connection parts</b>	for pressure gauge, made of brass, not for NH <sub>3</sub>	for G $\frac{1}{2}$ <b>AM-01</b>
<b>connection parts</b>	for pressure gauge, made of stainless steel, for NH <sub>3</sub>	for G $\frac{1}{2}$ <b>AM-03S</b>
<b>mounting bracket</b>	made of stainless steel	for G $\frac{1}{2}$ <b>BW00-26S</b>



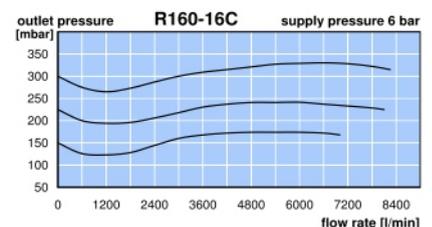
BW00-26S



R160-06/-08/-10/-1A (D/E)



R160-12/-16



\*1 at 6 bar supply pressure and max. outlet pressure  
\*2 B6 = 0... 60 mbar, C2 = 0... 160 mbar, C3 = 0... 250 mbar, C4 = 0... 400 mbar, 01 = 0... 1 bar, 04 = 0... 4 bar, 06 = 0... 6 bar  
\*4 without DVGW approval