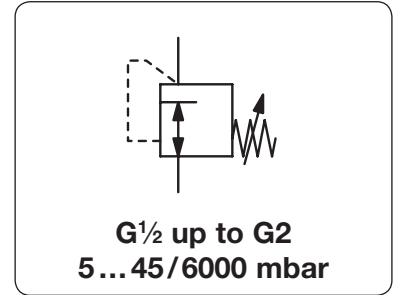


Description	Low pressure regulator with large diaphragm for good accuracy and high sensitivity. Designed especially for regulating low pressures and high flows of air or non-corrosive gases.		
Media	compressed air or non-corrosive gases		
Supply pressure	max. 6 bar		
Air consumption	without constant bleed		
Adjustment	R160-04: by handwheel with locknut R160-08/-12/-16: by hexagon head screw with locknut		
Relieving function	non-relieving		
Gauge port	G1/4 on both sides of the body, screw plug supplied		
Mounting position	any		
Temperature range	0 °C to 70 °C / 32 °F to 158 °F		
Material	Body: black-coated aluminium	O-rings: NBR/Buna-N, optionally FKM or EPDM	Inner valve: brass
	Diaphragm: NBR/Buna-N with PTFE coating		
	Spring cage: stainless steel		



Dimensions			K _v value (m ³ /h)	Flow rate (m ³ /h*1 / min*1)	Connection thread G	Pressure range mbar	Order number
A	B	C					

Low pressure regulator							supply pressure max. 6 bar, non-relieving without constant bleed	R160
80	180	38	0.4	36	600	G ¹ / ₂ *3	5... 45 20... 200 150... 700	R160-04A R160-04B R160-04C
127	305	67	1.8	180	3000	G1	20... 50 50... 100 100... 700 700...6000	R160-08A R160-08B R160-08C R160-08D
202	360	52	5.7	480	8000	G ¹ / ₂	20... 50 50... 150 150... 300 300...3000	R160-12A R160-12B R160-12C R160-12D
202	360	52	5.7	480	8000	G2	20... 50 50... 150 150... 300 300...3000	R160-16A R160-16B R160-16C R160-16D

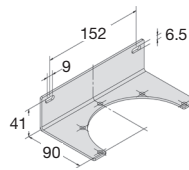
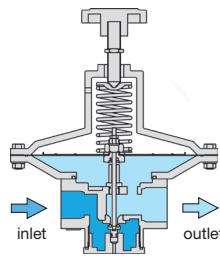
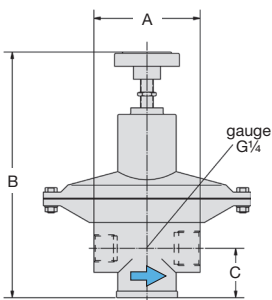


Special options, add the appropriate letter

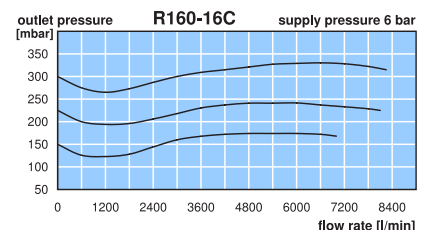
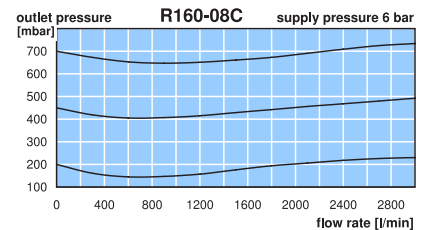
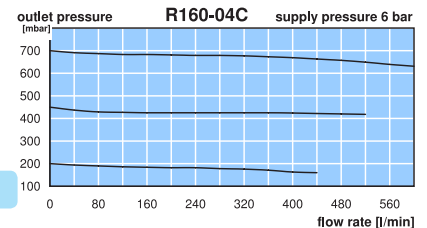
NPT	connection thread	for G ¹ / ₂ to G2	R160-... N
SST inner parts	for ammonia NH ₃	for G ¹ / ₂ and G1	R160-... 02
FKM o-ring	PTFE diaphragm	for G ¹ / ₂ and G2	R160-1... 02
EPDM o-ring			R160-... T
nitrogen	N ₂ : 07	carbon dioxide CO ₂ : 03	argon Ar: R160-... 05
helium	He: 09	hydrogen H ₂ : 11	methane CH ₄ : R160-... 13
oxygen	O ₂ : 15	propane C ₃ H ₈ : 16	nitrous oxide N ₂ O: R160-... 17
flange connection	see chapter for SST devices / flange		R160-... F.

Accessories, enclosed

pressure gauge	Ø 63 mm, 0...*2 mbar, G ¹ / ₄ , capsule type, connection parts required	MA6302-... *2
	Ø 63 mm, 0...*2 bar, G ¹ / ₄ , Bourdon tube, connection parts required	MA6302-... *2
connection parts	for pressure gauge	AM-01
mounting bracket	made of stainless steel	for G ¹ / ₂ BW00-26S



*1 at 6 bar supply pressure and 1 bar 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
*3 thread at outlet G³/₄



Gauges: see chapter for measuring devices

PDF CAD
www.aircom.net

Order example:
R160-04A