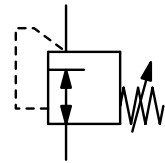


Description Low pressure regulator with large diaphragm for good accuracy and high sensitivity.
Media compressed air or non-corrosive gases
Supply pressure max. 7 bar, min. 1 bar
Air consumption without constant bleed
Adjustment for G $\frac{1}{2}$ and G $\frac{3}{4}$: by handwheel with locknut
 from G1: by hexagon head screw with locknut
Relieving function non-relieving
Gauge port G $\frac{1}{4}$ on both sides of the body, screw plug supplied
Mounting position any
Temperature range -20 °C to 80 °C / -4 °F to 176 °F
Material 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



G $\frac{1}{2}$ up to G2
5 ... 45/3000 mbar

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

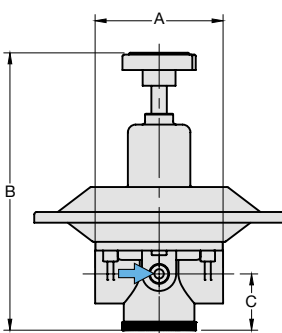
Low pressure regulator				supply pressure max. 6 / 7 bar, non-relieving, without constant bleed				R160	
82	188	38	0.4	60	1000	6	G $\frac{1}{2}$ *3	5 ... 45	R160-04A
								20 ... 200	R160-04B
								150 ... 700	R160-04C
154	233	69	1.8	180	3000	7	G $\frac{3}{4}$	5 ... 45	R160-06A
								10 ... 120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



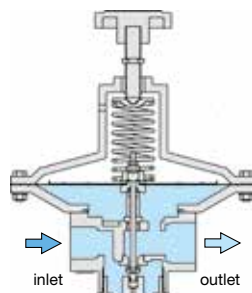
R160-04



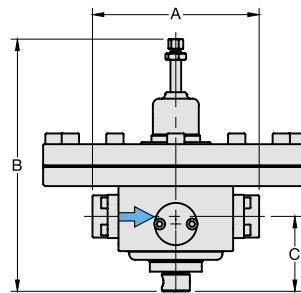
R160-06 /-08 /-10 /-1A



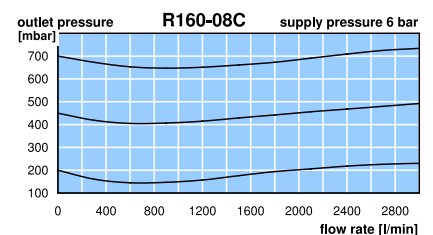
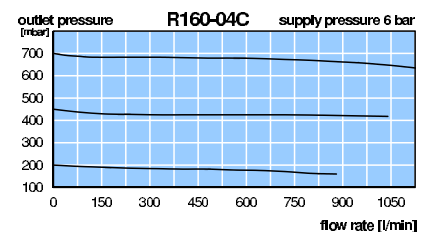
R160-04



cross-section



R160-06/-08/-10/-1A (A/B/C)



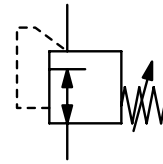
*1 at 6 bar supply pressure and max. outlet pressure *2 see description above *3 thread at outlet G $\frac{3}{4}$

PDF CAD
 www.aircom.net



Order example:
 R160-04A

Description Low pressure regulator with large diaphragm for good accuracy and high sensitivity.
Media compressed air or non-corrosive gases
Supply pressure max. 7 bar, min. 1 bar
Air consumption without constant bleed
Adjustment for G $\frac{1}{2}$ and G $\frac{3}{4}$: by handwheel with locknut
 from G1: by hexagon head screw with locknut
Relieving function non-relieving
Gauge port G $\frac{1}{4}$ on both sides of the body, screw plug supplied
Mounting position any
Temperature range -20 °C to 80 °C / -4 °F to 176 °F
Material 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



G $\frac{1}{2}$ up to G2
5 ... 45/3000 mbar

Dimensions			K _v -value	Flow rate		P ₁ max.	Connection thread	Pressure range	Order number
A	B	C	(m ³ /h)	m ³ /h*1	l/min*1	bar	G	mbar	
mm	mm	mm	(m ³ /h)	m ³ /h*1	l/min*1	bar	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	G $\frac{1}{2}$	20 ... 50	R160-12A		
								50 ... 150	R160-12B		
								150 ... 300	R160-12C		
								300 ... 3000	R160-12D		
215	472	128	5.7	480	8000	6	G2	20 ... 50	R160-16A		
								50 ... 150	R160-16B		
								150 ... 300	R160-16C		
								300 ... 3000	R160-16D		



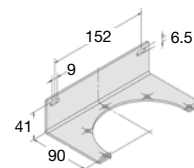
R160-12-16

Special options, add the appropriate letter

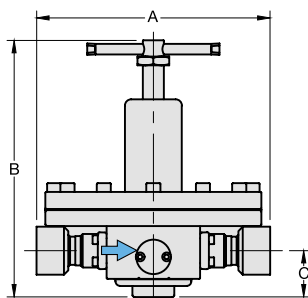
NPT	connection thread	for G1	to G2	R160-... N
SST inner parts	for ammonia NH ₃	for G $\frac{1}{2}$	and G1 $\frac{1}{2}$ (-1A)	R160-... .02
		for G1 $\frac{1}{2}$ (-12)	and G2	R160-1. .02
FKM -o-ring	PTFE diaphragm			R160-... T
EPDM-o-ring				R160-... TE
EPDM-o-ring	FDA-approval			R160-... TD
carbon dioxide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

Accessories, enclosed

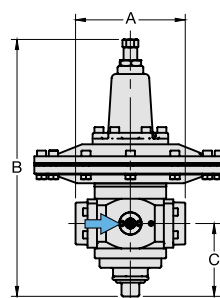
pressure gauge	Ø 63 mm, 0...*2 mbar, G $\frac{1}{4}$, capsule type, connection parts required	MA6302-... *2
	Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$, Bourdon tube, connection parts required	MA6302-... *2
connection parts	for pressure gauge, made of brass, not for NH ₃	for G $\frac{1}{2}$ AM-01
connection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



BW00-26S



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

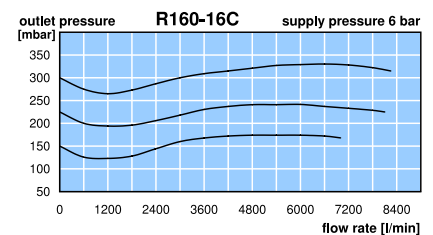


R160-12/-16

*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



Gauges: see chapter for measuring devices

PDF CAD
 www.aircom.net



Order example:
 R160-12A