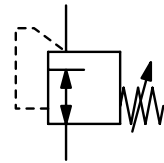


Description	Low pressure regulator with large diaphragm for good accuracy and high sensitivity.	
Media	compressed air or non-corrosive gases	
Supply pressure	max. 15 bar, min. 1 bar	
Air consumption	without constant bleed	
Adjustment	with handwheel by R161	with adjusting screw on R160-06 to -1A (A, B, C), -12 and -16
	with T-handle by R160-06 to 1A (D, E)	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	
Temperature range	-20 °C to 80 °C / -4 °F to 176 °F	
Material	Body: aluminium coated O-rings: FKM by G $\frac{1}{2}$ up to G1 $\frac{1}{2}$ (-1A), all other NBR/Buna-N, optionally FKM or EPDM Diaphragm: NBR/Buna-N with PTFE coating Inner valve: brass / aluminium Spring cage: stainless steel	
	Mounting position	any



G $\frac{1}{2}$ up to G2
5 ... 45/1500 mbar

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

Low pressure regulator R160/R161

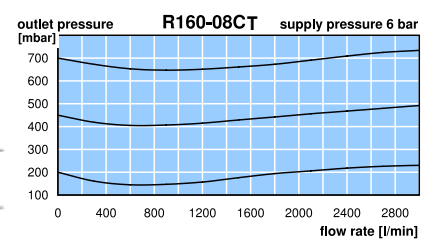
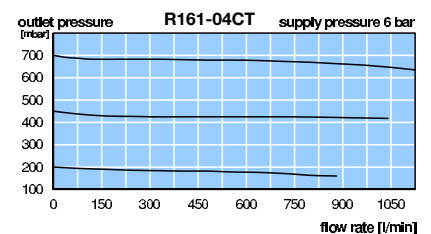
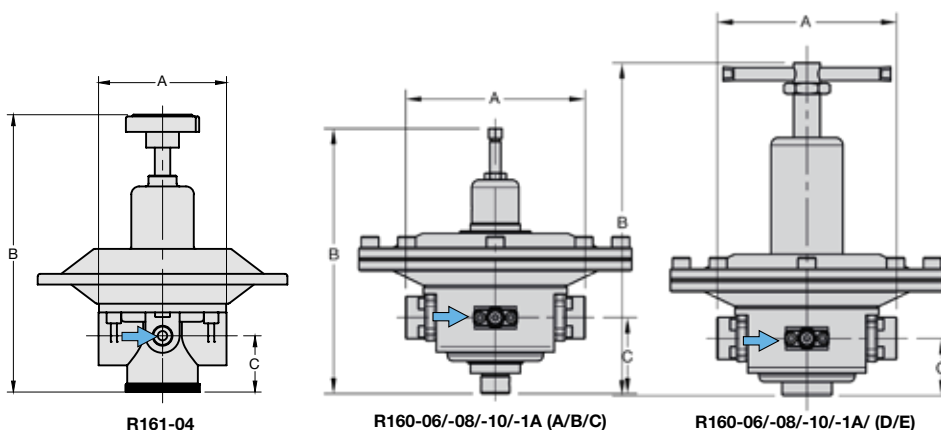
supply pressure max. 15 bar, non-relieving, without constant bleed								
82	191	40	1.4	60	1000	G $\frac{1}{2}$	5 ... 45	R161-04AT
							10 ... 400	R161-04BT
							20 ... 1000	R161-04CT
							50 ... 1500	R161-04DT
154	233	69	1.4	84	1400	G $\frac{3}{4}$	5 ... 45	R160-06AT
							10 ... 120	R160-06BT
							10 ... 400	R160-06CT
154	292	53	8.4	576	9600		15 ... 700	R160-06DT
							200 ... 1200	R160-06ET
154	233	69	1.4	84	1400	G1	5 ... 45	R160-08AT
							10 ... 120	R160-08BT
							10 ... 400	R160-08CT
154	292	53	8.4	576	9600		15 ... 700	R160-08DT
							200 ... 1200	R160-08ET
265	233	69	1.4	84	1400	G1 $\frac{1}{4}$	5 ... 45	R160-10AT
							10 ... 120	R160-10BT
							10 ... 400	R160-10CT
265	292	53	8.4	576	9600		15 ... 700	R160-10DT
							200 ... 1200	R160-10ET
265	233	69	1.4	84	1400	G1 $\frac{1}{2}$	5 ... 45	R160-1AAT
							10 ... 120	R160-1ABT
							10 ... 400	R160-1ACT
265	292	53	8.4	576	9600		15 ... 700	R160-1ADT
							200 ... 1200	R160-1AET



R161-04



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



*1 at 6 bar supply pressure and max. outlet pressure

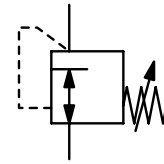
* Product group

PDF CAD
www.aircom.net



Order example:
R161-04AT

Description	Low pressure regulator with large diaphragm for good accuracy and high sensitivity.	
Media	compressed air or non-corrosive gases	
Supply pressure	max. 15 bar, min. 1 bar	
Air consumption	without constant bleed	
Adjustment	with handwheel by R161	with adjusting screw on R160-06 to -1A (A, B, C), -12 and -16
	with T-handle by R160-06 to 1A (D, E)	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: FKM by G $\frac{1}{2}$ up to G $\frac{1}{2}$ (-1A), all other NBR/Buna-N, optionally FKM or EPDM Diaphragm: NBR/Buna-N with PTFE coating Inner valve: brass / aluminium Spring cage: stainless steel	



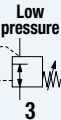
G $\frac{1}{2}$ up to G2
5 ... 45/1500 mbar

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

Low pressure regulator							supply pressure max. 7 / 10 bar, non-relieving, without constant bleed		R160
192	468	128	6.2	420	7 000	G $\frac{1}{2}$	20 ...	50	R160-12A
							50 ...	150	R160-12B
							150 ...	300	R160-12C
			25	1 680	28 000		100 ...	1000	R160-12D
192	468	128	6.2	420	7 000	G2	20 ...	50	R160-16A
							50 ...	150	R160-16B
							150 ...	300	R160-16C
			25	1 680	28 000		100 ...	1000	R160-16D



R160-12/-16

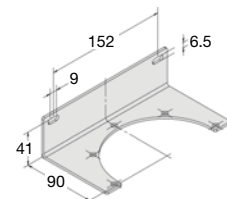


Special options, add the appropriate letter

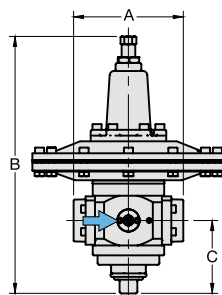
NPT	connection thread, A=141 mm	for G $\frac{1}{2}$	R16...N
NPT	connection thread	for G $\frac{3}{4}$ to G2	R16...N
SST inner parts	for ammonia NH ₃		R16...02
FKM -O-ring	PTFE diaphragm	for G $\frac{1}{2}$ (-12) to G2	R16...T
EPDM-O-ring			R16...TE
EPDM-O-ring	FDA-approval		R16...TD
carbon dioxide CO₂			R16...03
argon	Ar		R16...05
nitrogen	N ₂		R16...07
helium	He		R16...09
hydrogen	H ₂		R16...11
methane	CH ₄		R16...13
natural gas ^{*4}			R16...14
oxygen	O ₂	for G $\frac{1}{2}$ to G $\frac{1}{2}$ (1A)	R16...15
propane	C ₃ H ₈		R16...16
nitrous oxide	N ₂ O		R16...17
flange connection	see chapter for stainless steel devices		R16...F.

Accessories, enclosed

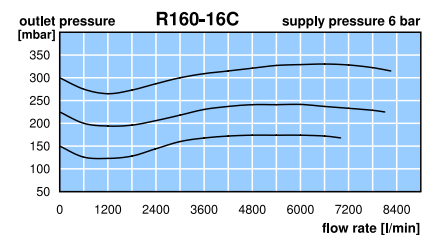
pressure gauge	Ø 63 mm, 0... ^{*2} mbar, G $\frac{1}{4}$, capsule type, connection parts required	MA6302-...^{*2}
	Ø 63 mm, 0... ^{*2} bar, G $\frac{1}{4}$, Bourdon tube, connection parts required	MA6302-...^{*2}
connection parts	press. gauge, brass, not for NH ₃ , extension G $\frac{1}{4}$ -G $\frac{1}{4}$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



BW00-26S



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, 01.6 = 0...1,6 bar

^{*4} without DVGW approval

* Product group

