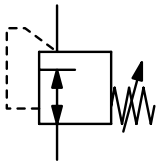
Description	Low pressure regulator with large diaphragm for good accuracy and high sensitivity.
Media	compressed air or non-corrosive gases
Supply pressure	see chapter, max. 10 bar (bei R161), min. 1 bar
Air consumption	without constant bleed
Adjustment	with handwheel by R161 with adjusting screw on 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	G¼ 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 G½, all other NBR/Buna-N, optionally FKM or EPDM Diaphragm: NBR/Buna-N with PTFE coating Inner valve: brass / aluminium Spring cage: stainless steel



G½ up to G2
5…45/1500 mbar

Low pressure
3

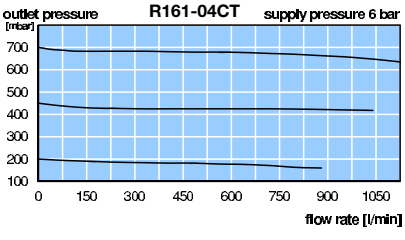
Low pressure regulator

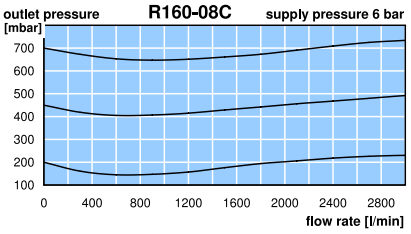
supply pressure max. 7 / 10 bar, non-relieving, without constant bleed

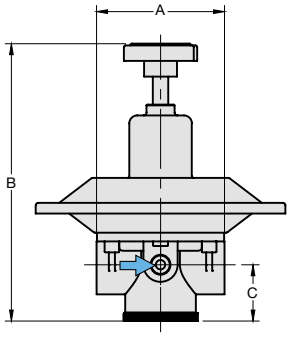
Dimensions A mm	B mm	C mm	K_v-value (m^3/h)	Flow rate m^3/h*1	l/min*1	P_1 max. bar	Connection thread G	Pressure range mbar	Order number R160/R161
82	191	40	1.4	60	1000	10	G½	5… 45	**R161-04AT**
								10… 400	**R161-04BT**
								20… 1000	**R161-04CT**
								50… 1500	**R161-04DT**
154	233	69	1.4	84	1400	7	G¾	5… 45	**R160-06A**
								10… 120	**R160-06B**
								10… 400	**R160-06C**
154	292	53	8.4	576	9600			15… 700	**R160-06D**
								200…1200	**R160-06E**
154	233	69	1.4	84	1400	7	G1	5… 45	**R160-08A**
								10… 120	**R160-08B**
								10… 400	**R160-08C**
154	292	53	8.4	576	9600			15… 700	**R160-08D**
								200…1200	**R160-08E**
265	233	69	1.4	84	1400	7	G1¼	5… 45	**R160-10A**
								10… 120	**R160-10B**
								10… 400	**R160-10C**
265	292	53	8.4	576	9600			15… 700	**R160-10D**
								200…1200	**R160-10E**
265	233	69	1.4	84	1400	7	G1½	5… 45	**R160-1AA**
								10… 120	**R160-1AB**
								10… 400	**R160-1AC**
265	292	53	8.4	576	9600			15… 700	**R160-1AD**
								200…1200	**R160-1AE**

R161-04

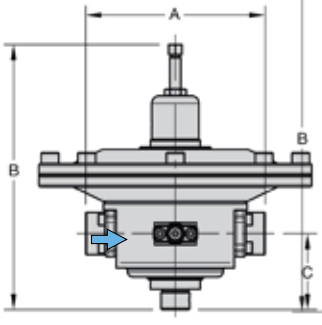
R160-06/-08/-10/-1A (A/B/C)



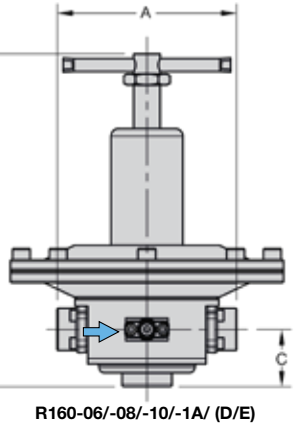




R161-04



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



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

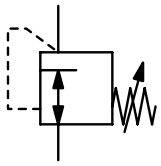
*1 at 6 bar supply pressure and max. outlet pressure

* 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	see chapter, max. 10 bar (bei R161), min. 1 bar
Air consumption	without constant bleed
Adjustment	with handwheel by R161 / with T-handle by R160-06 to 1A (D, E) / with adjusting screw on R160-06 to -1A (A, B, C), -12 and -16 by hexagon head screw with locknut
Relieving function	non-relieving
Gauge port	G¼ 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 G½, all other NBR/Buna-N, optionally FKM or EPDM Diaphragm: NBR/Buna-N with PTFE coating Inner valve: brass / aluminium Spring cage: stainless steel



G½ up to G2
5…45/1500 mbar

Dimensions A mm	B mm	C mm	K_v-value (m^3/h)	Flow rate m^3/h*1	l/min*1	P_1 max. bar	Connection thread G	Pressure range mbar	Order number	D*
Low pressure regulator supply pressure max. 7 / 10 bar, non-relieving, without constant bleed									**R160**	
192	468	128	6.2	420	7000	6	G1½	20… 50	**R160-12A**	
								50… 150	**R160-12B**	
								150… 300	**R160-12C**	
			25	1680	28000			100…1000	**R160-12D**	
192	468	128	6.2	420	7000	6	G2	20… 50	**R160-16A**	
								50… 150	**R160-16B**	
								150… 300	**R160-16C**	
			25	1680	28000			100…1000	**R160-12D**	

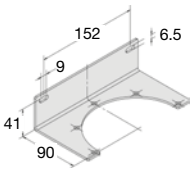
R160-12/-16

Special options, add the appropriate letter

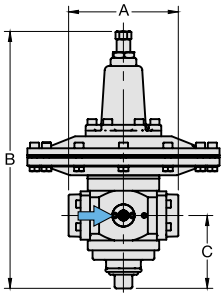
NPT	connection thread, A=141 mm	for G½		R160-. . . **N**
NPT	connection thread	for G¾	to G2	R160-. . . **N**
SST inner parts	for ammonia NH_3			R160-. . . **02**
FKM -O-ring	PTFE diaphragm	for G3/4	to G2	R160-. . . **T**
EPDM-O-ring				R160-. . . **TE**
EPDM-O-ring	FDA-approval			R160-. . . **TD**
carbon 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		for G½ bis G1½ (1A)		R160-. . . **15**
propane C_3H_8				R160-. . . **16**
nitrous oxide N_2O				R160-. . . **17**
flange connection	see chapter for stainless steel devices			R160-. . . **F.**

Accessories, enclosed B*

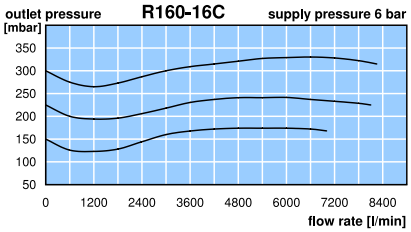
pressure gauge	Ø 63 mm, 0…*2 mbar, G¼, capsule type, connection parts required		**MA6302-. .** *2
	Ø 63 mm, 0…*2 bar, G¼, Bourdon tube, connection parts required		**MA6302-. .** *2
connection parts	for pressure gauge, made of brass, not for NH_3	for G½	**AM-01**
connection parts	for pressure gauge, made of stainless steel, for NH_3	for G½	**AM-03S**
mounting bracket	made of stainless steel	for G½	**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

Gauges: see chapter for measuring devices

PDF CAD
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Order example:
R160-12A