

pressure regulator series PR56, PR88

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

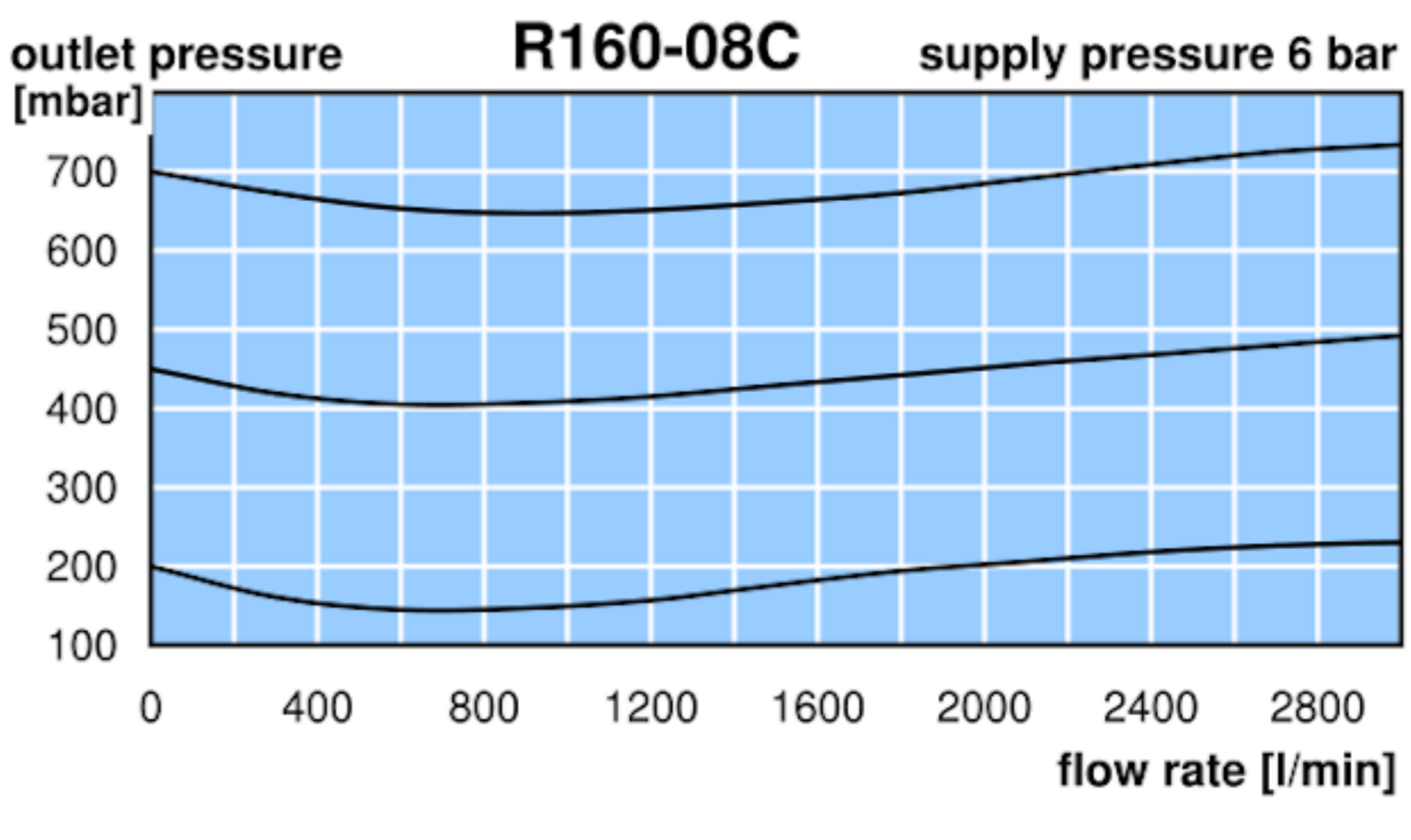
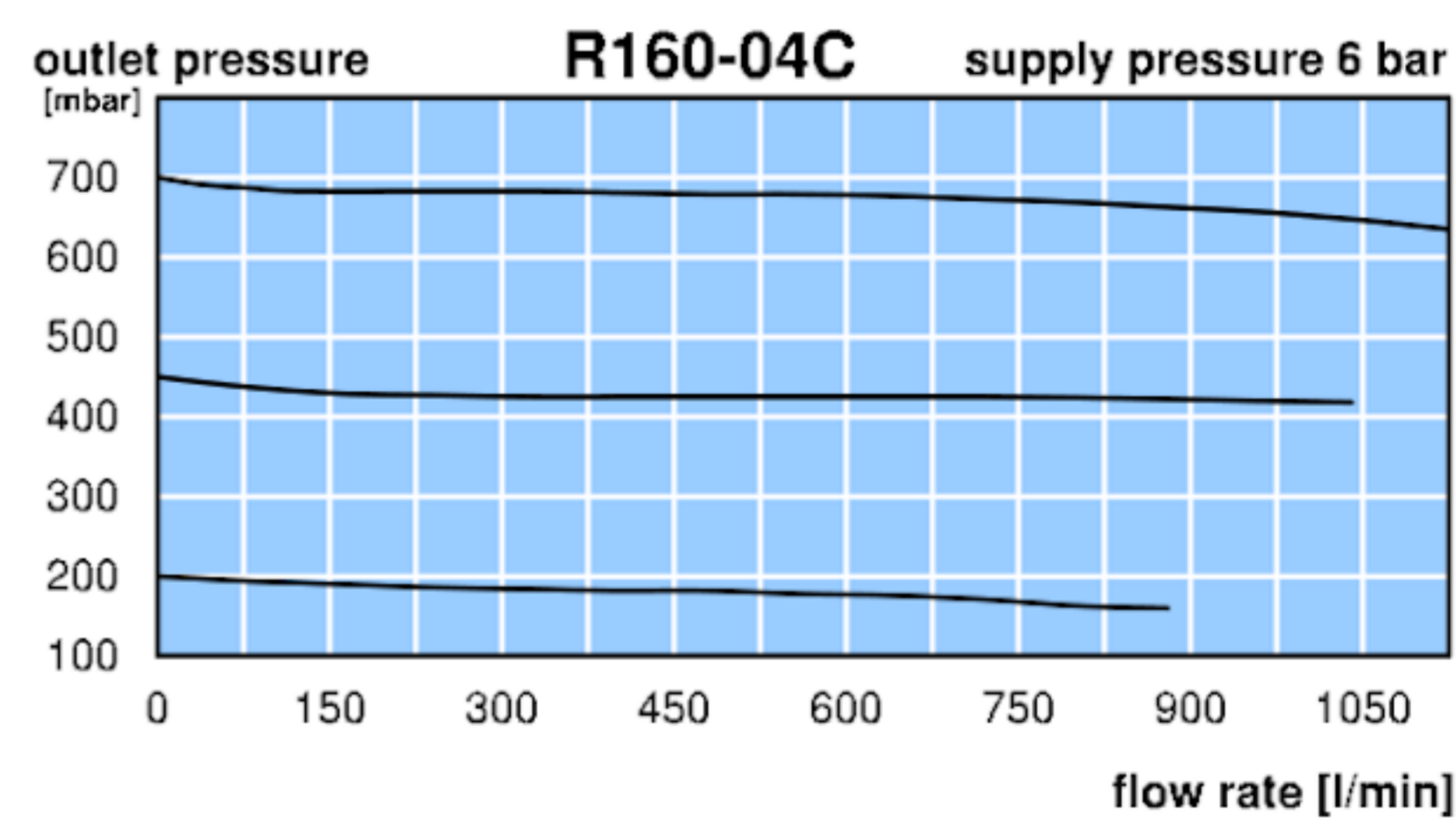
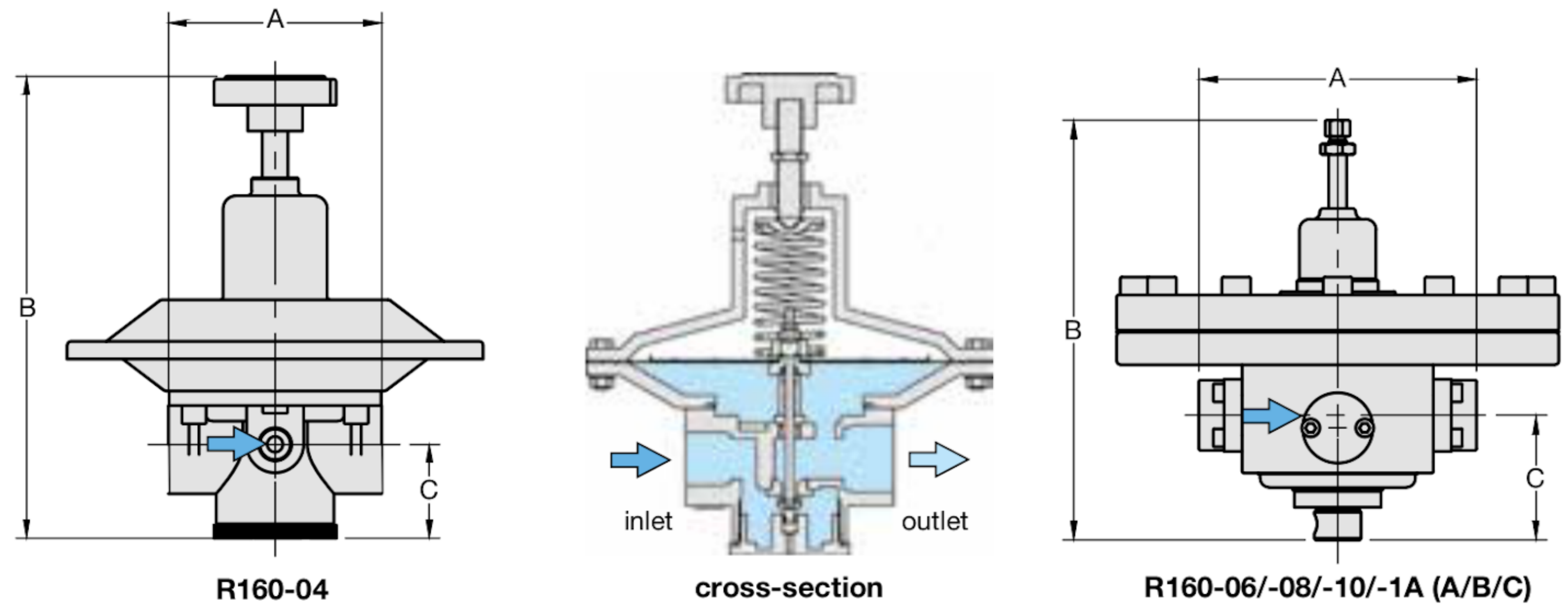
Low pressure regulator										supply pressure max. 6 / 7 bar, non-relieving, without constant bleed	R160
82	188	38	0.4	60	1000	6	G $\frac{1}{2}$ *3	5 ... 45	R160-04A		
								20 ... 200	R160-04B		
								150 ... 700	R160-04C		
154	233	69	1.8	180	3000	7	G $\frac{3}{4}$	5 ... 45	R160-06A		
								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



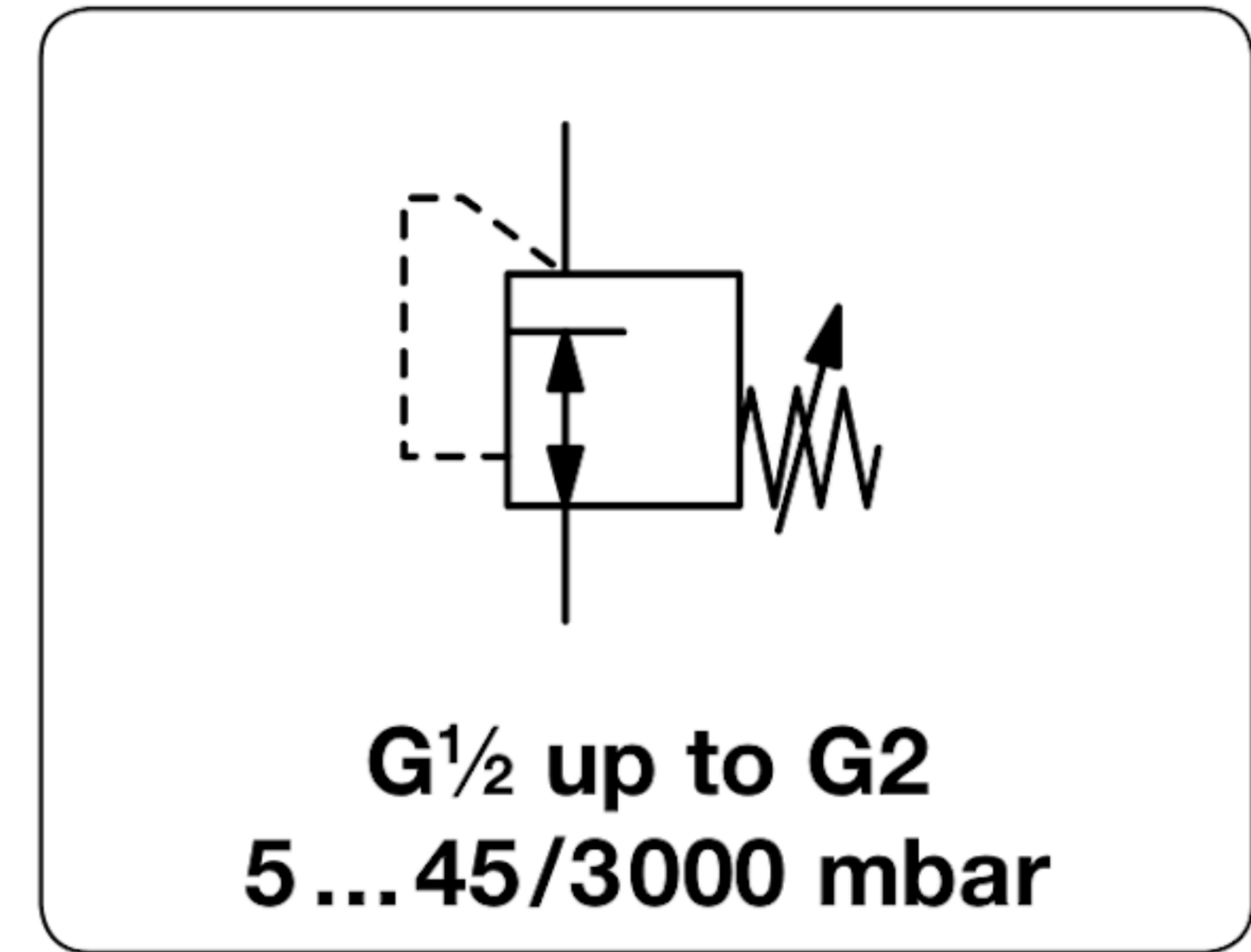
*1 at 6 bar supply pressure and max. outlet pressure *2 see description above *3 thread at outlet G $\frac{3}{4}$

Abbildungen unverbindlich, Konstruktions-, Maß- und Werkstoffänderungen vorbehalten
illustrations are non-binding, all designs, configurations, measurements and materials are subject to change without prior notice

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Dimensions			K _v - value	Flow rate	P ₁ max.	Connection thread	Pressure range	Order number
A	B	C						
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



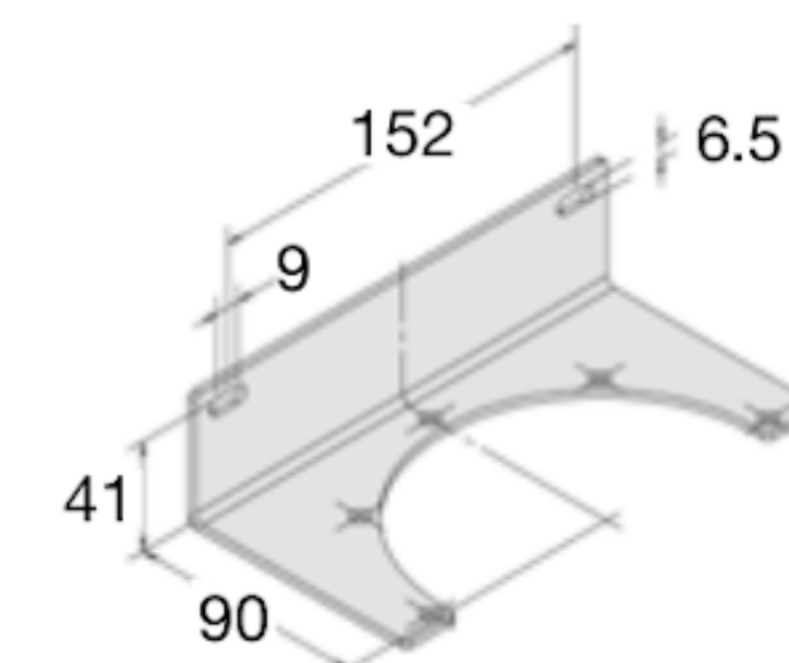
R160-12/-16

Special options, add the appropriate letter

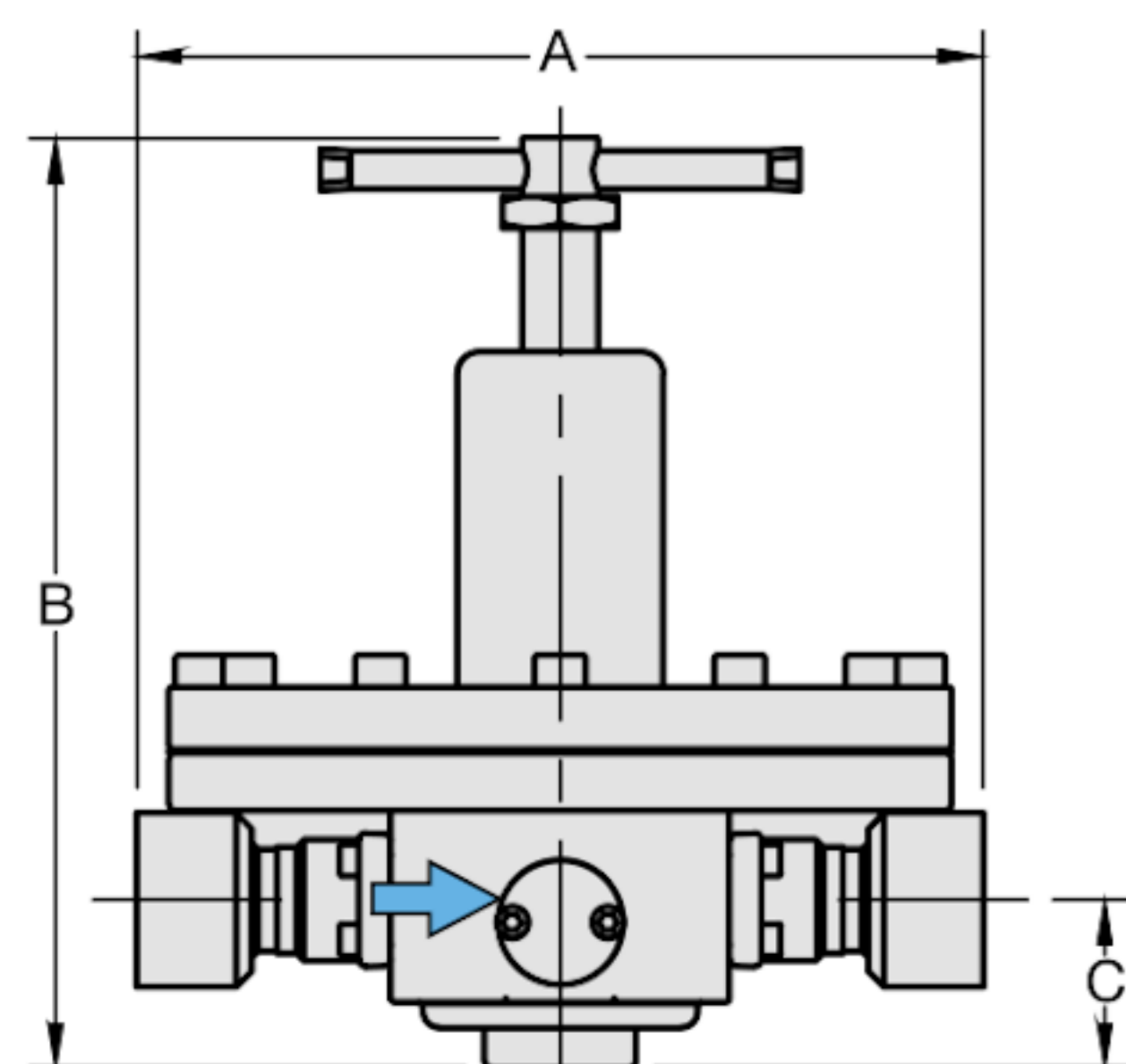
NPT	connection thread	for G1	to G2	R160-... N
SST inner parts	for ammonia NH ₃	for G $\frac{1}{2}$	and G1 $\frac{1}{2}$ (-1A)	R160-... .02
		for G1 $\frac{1}{2}$ (-12)	and G2	R160-1... .02
FKM -o-ring	PTFE diaphragm			R160-... T
EPDM-o-ring				R160-... TE
EPDM-o-ring	FDA-approval			R160-... TD
carbon dioxide CO₂				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

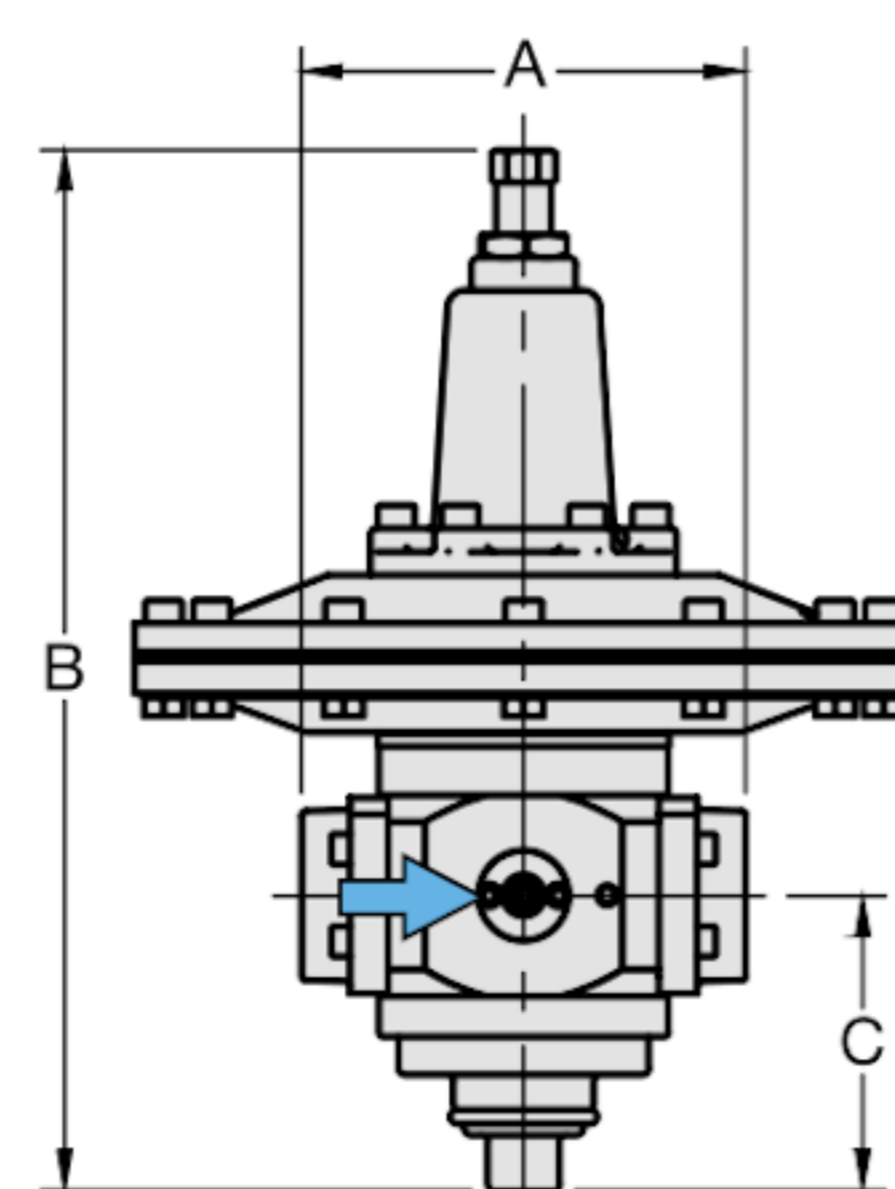
pressure gauge	Ø 63 mm, 0...*2 mbar, G $\frac{1}{4}$, capsule type, connection parts required	MA6302-... *2
	Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$, Bourdon tube, connection parts required	MA6302-... *2
connection parts	for pressure gauge, made of brass, not for NH ₃	for G $\frac{1}{2}$ AM-01
connection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



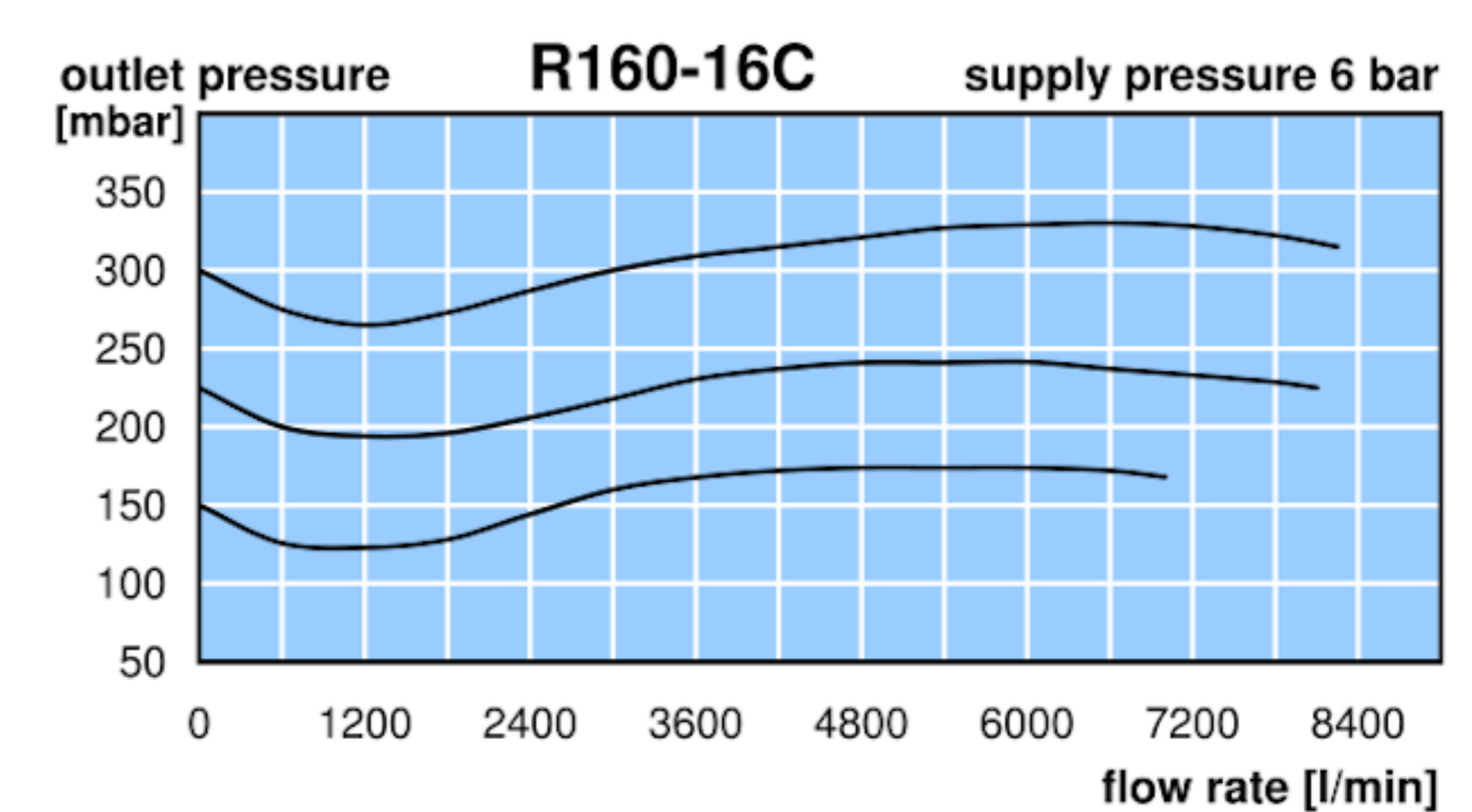
BW00-26S



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, O1 = 0...1 bar, O4 = 0...4 bar, O6 = 0...6 bar
*4 without DVGW approval