

Description Diaphragm pressure regulator of solid design. Made of brass. No air consumption, no constant bleed. For compressed air with relieving diaphragm, for water with non-relieving diaphragm.

Media Compressed air, non-corrosive gases or liquids. R280-16 is not suitable for liquids.

Supply pressure max. 40 bar

Adjustment by handwheel with locknut for G $\frac{1}{4}$ to G $\frac{1}{2}$ regulators
by T-handle with locknut for G $\frac{3}{4}$ to G1 $\frac{1}{2}$ regulators, by knob for G2 regulators
by hexagonal spindle for range up to 16 or 25 bar, up to G $\frac{1}{2}$ 14mm A/F, otherwise 19mm A/F

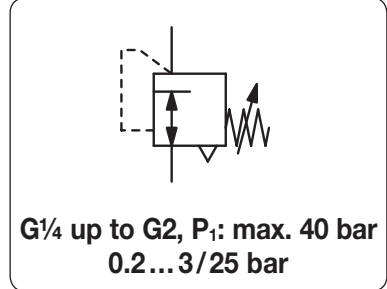
Relieving function relieving, optionally non-relieving

Gauge port G $\frac{1}{4}$ on both sides of the body, one screw plug supplied

Mounting position any

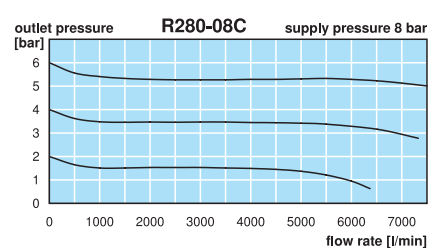
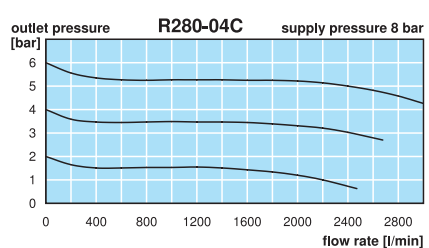
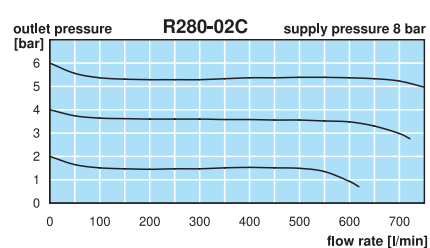
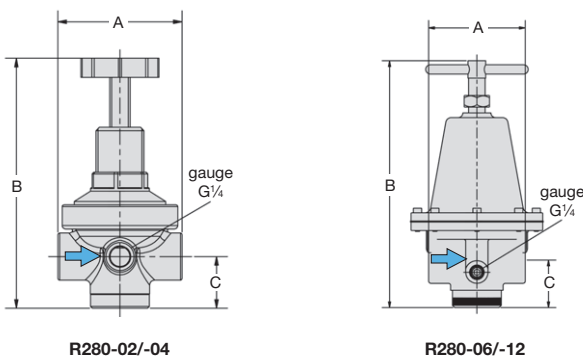
Temperature range -10 °C to 90 °C / 14 °F to 194 °F

Material Body: brass, aluminium die-cast at G2 regulator
Elastomer: NBR/Buna-N
Inner valve: brass



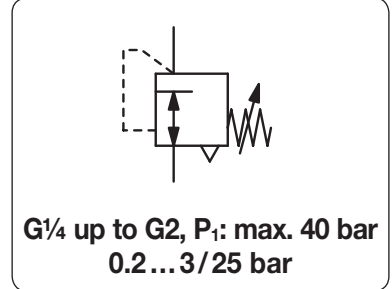
Dimensions			Pressure adjustment	K _v value	Flow rate	Connection thread	Pressure range	Order number
A	B	C	by	(m ³ /h)	m ³ /h*1	G	bar	

Brass pressure regulator								supply max. 40 bar, for compressed air, relieving, without pressure gauge	R280
45	104	23	handwheel	0.48	45	750	G $\frac{1}{4}$	0.2... 3 0.2... 6 0.5... 10 0.5... 16 0.5... 25	R280-02A R280-02B R280-02C R280-02D R280-02E
72	145	30	handwheel	1.5	144	2400	G $\frac{1}{2}$	0.2... 3 0.2... 6 0.5... 10 0.5... 16 0.5... 25	R280-04A R280-04B R280-04C R280-04D R280-04E
			hex. spindle						
95	216	41	T-handle	4.7	438	7300	G $\frac{3}{4}$ *2	0.2... 3 0.2... 6 0.5... 10 0.5... 16 0.5... 25	R280-06A R280-06B R280-06C R280-06D R280-06E
			hex. spindle						
83	216	41	T-handle	4.8	450	7500	G1	0.2... 3 0.2... 6 0.5... 10 0.5... 16 0.5... 25	R280-08A R280-08B R280-08C R280-08D R280-08E
			hex. spindle						
128	240	50	T-handle	7.1	660	11000	G1 $\frac{1}{4}$ *2	0.2... 3 0.2... 6 0.5... 10 0.5... 16 0.5... 25	R280-10A R280-10B R280-10C R280-10D R280-10E
			hex. spindle						



*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop *2 reduced from next bigger thread

Description	Diaphragm pressure regulator of solid design. Made of brass. No air consumption, no constant bleed. For compressed air with relieving diaphragm, for water with non-relieving diaphragm.
Media	Compressed air, non-corrosive gases or liquids. R280-16 is not suitable for liquids.
Supply pressure	max. 40 bar
Adjustment	by handwheel with locknut for G $\frac{1}{4}$ to G $\frac{1}{2}$ regulators by T-handle with locknut for G $\frac{3}{4}$ to G1 $\frac{1}{2}$ regulators, by knob for G2 regulators by hexagonal spindle for range up to 16 or 25 bar, up to G $\frac{1}{2}$ 14mm A/F, otherwise 19mm A/F
Relieving function	relieving, optionally non-relieving
Gauge port	G $\frac{1}{4}$ on both sides of the body, one screw plug supplied
Mounting position	any
Temperature range	-10 °C to 90 °C / 14 °F to 194 °F
Material	Body: brass, aluminium die-cast at G2 regulator Elastomer: NBR/Buna-N Inner valve: brass



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

Brass pressure regulator								supply max. 40 bar, for compressed air, relieving, without pressure gauge	R280
114	240	50	T-handle	7.7	720	12000	G1 $\frac{1}{2}$	0.2 ... 3	R280-12A
								0.2 ... 6	R280-12B
								0.5 ... 10	R280-12C
			hex. spindle					0.5 ... 16	R280-12D
								0.5 ... 25	R280-12E
160	278	78	knob	21.9	1500	25000	G2	0.5 ... 10	R280-16C
								0.5 ... 16	R280-16D
								0.5 ... 25	R280-16E

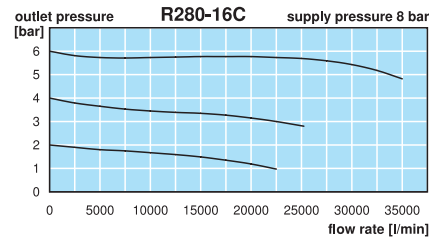
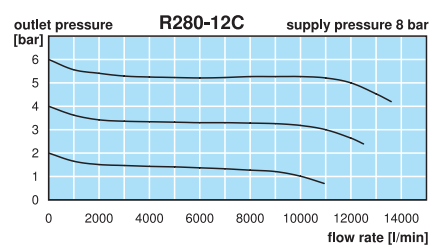
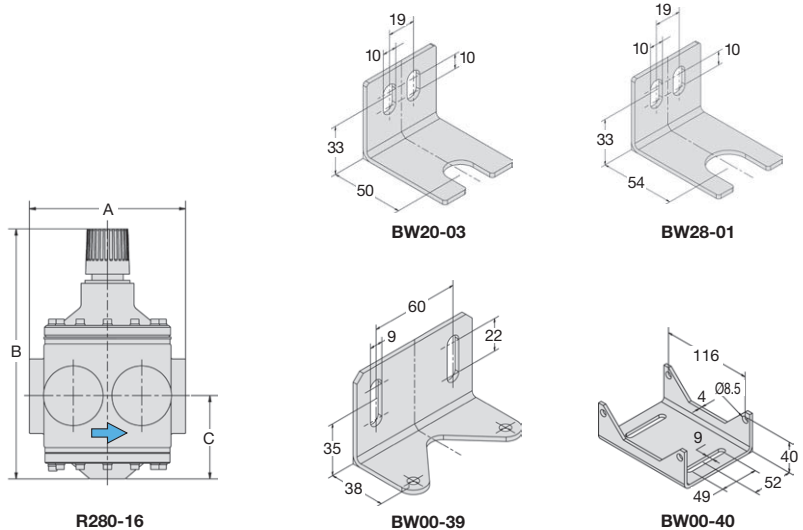


Special options, add the appropriate letter

non-relieving for oxygen	without relieving function specially cleaned, with oxygen grease, max. 60 °C/140 °F up to G1 $\frac{1}{2}$	not for G2	R280-...K R280-...15
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Accessories, enclosed

pressure gauge	Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$ Ø 50 mm, 0...25 bar, G $\frac{1}{4}$ Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$ Ø 63 mm, 0...25 bar, G $\frac{1}{4}$	for G $\frac{1}{4}$ and G $\frac{1}{2}$ for G $\frac{1}{4}$ and G $\frac{1}{2}$ from G $\frac{3}{4}$ on from G $\frac{3}{4}$ on	MA5002-...* MA5002-25 MA6302-...* MA6302-25
mounting bracket	made of steel	for G $\frac{1}{4}$	BW20-03
mounting nut	made of brass	for G $\frac{1}{4}$	M20x1,5M
mounting bracket	made of steel	for G $\frac{1}{2}$	BW28-01
mounting nut	made of brass	for G $\frac{1}{2}$	M28x1,5M
mounting bracket	made of steel, assembly at spring cage	for G $\frac{3}{4}$ to G1 $\frac{1}{2}$ for G2	BW00-39 BW00-40



*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop
*2 04 = 0...4 bar, 06 = 0...6 bar, 10 = 0...10 bar, 16 = 0...16 bar