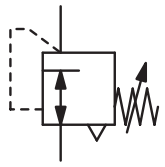
Brass Pressure Regulator up to 40 bar — R280

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 G¼ to G½ regulators by T-handle with locknut for G¾ to G1½ regulators, by knob for G2 regulators by hexagonal spindle for range up to 16 or 25 bar, up to G½ 14mm A/F, otherwise 19mm A/F
Relieving function	relieving, optionally non-relieving
Gauge port	G¼ 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



G¼ up to G2, P_1: max. 40 bar
0.2…3/25 bar

Brass pressure regulator

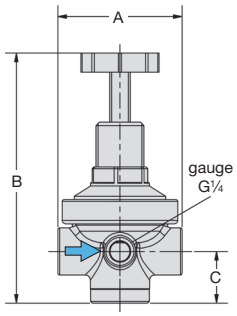
supply max. 40 bar, for compressed air, relieving, without pressure gauge — R280

Dimensions A mm	B mm	C mm	Pressure adjustment by	K_v value (m^3/h)	Flow rate m^3/h*1	Flow rate l/min*1	Connection thread G	Pressure range bar	Order number
45	104	23	handwheel	0.48	45	750	G¼	0.2… 3	R280-02A
								0.2… 6	R280-02B
								0.5…10	R280-02C
								0.5…16	R280-02D
								0.5…25	R280-02E
72	145	30	handwheel	1.5	144	2400	G½	0.2… 3	R280-04A
								0.2… 6	R280-04B
								0.5…10	R280-04C
			hex. spindle					0.5…16	R280-04D
								0.5…25	R280-04E
95	216	41	T-handle	4.7	438	7300	G¾*2	0.2… 3	R280-06A
								0.2… 6	R280-06B
								0.5…10	R280-06C
			hex. spindle					0.5…16	R280-06D
								0.5…25	R280-06E
83	216	41	T-handle	4.8	450	7500	G1	0.2… 3	R280-08A
								0.2… 6	R280-08B
								0.5…10	R280-08C
			hex. spindle					0.5…16	R280-08D
								0.5…25	R280-08E
128	240	50	T-handle	7.1	660	11000	G1¼*2	0.2… 3	R280-10A
								0.2… 6	R280-10B
								0.5…10	R280-10C
			hex. spindle					0.5…16	R280-10D
								0.5…25	R280-10E

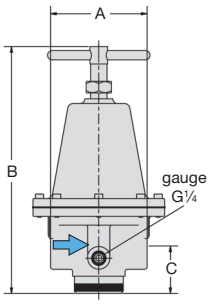
R280-02B
accessory: gauge

R280-04C
accessory: gauge

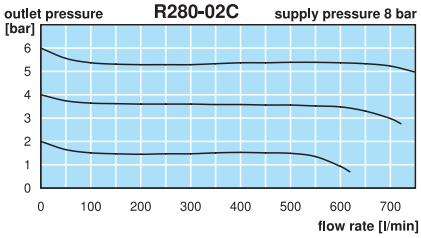
R280-08B
accessory: gauge

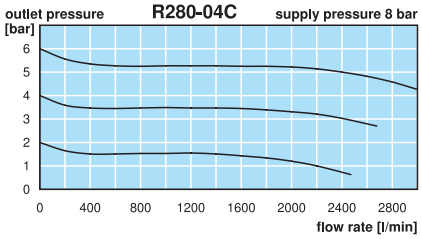


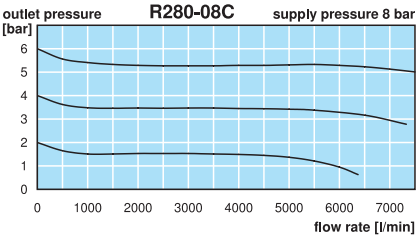
R280-02/-04



R280-06/-12







*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop

*2 reduced from next bigger thread

PDF CAD
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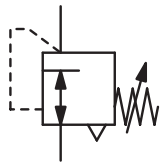
Order example
R280-02A

High pressure
4

Brass Pressure Regulator up to 40 bar R280

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 G¼ to G½ regulators by T-handle with locknut for G¾ to G1½ regulators, by knob for G2 regulators by hexagonal spindle for range up to 16 or 25 bar, up to G½ 14mm A/F, otherwise 19mm A/F
Relieving function	relieving, optionally non-relieving
Gauge port	G¼ 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



G¼ up to G2, P_1: max. 40 bar
0.2…3/25 bar

Dimensions A mm	B mm	C mm	Pressure adjustment by	K_v value (m^3/h)	Flow rate m^3/h*1	l/min*1	Connection thread G	Pressure range bar	Order number
Brass pressure regulator supply max. 40 bar, for compressed air, relieving, without pressure gauge									**R280**
114	240	50	T-handle	7.7	720	12000	G1½	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**

R280-12C
accessory: gauge

High pressure
4

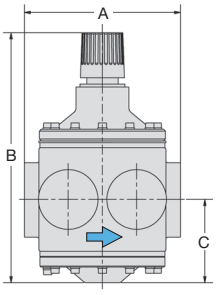
Special options, add the appropriate letter

non-relieving	without relieving function	not for G2	R280-. . . **K**
for oxygen	specially cleaned, with oxygen grease, max. 60 °C/140 °F up to G1½		R280-. . . **15**

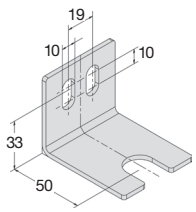
R280-16D
accessory: gauge

Accessories, enclosed

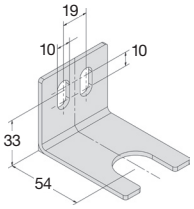
pressure gauge	Ø 50 mm, 0…*2 bar, G¼	for G¼ and G½	**MA5002-. .***2
	Ø 50 mm, 0…25 bar, G¼	for G¼ and G½	**MA5002-25**
	Ø 63 mm, 0…*2 bar, G¼	from G¾ on	**MA6302-. .***2
	Ø 63 mm, 0…25 bar, G¼	from G¾ on	**MA6302-25**
mounting bracket	made of steel	for G¼	**BW20-03**
mounting nut	made of brass	for G¼	**M20x1,5M**
mounting bracket	made of steel	for G½	**BW28-01**
mounting nut	made of brass	for G½	**M28x1,5M**
mounting bracket	made of steel, assembly at spring cage	for G¾ to G1½	**BW00-39**
		for G2	**BW00-40**



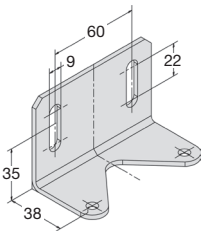
R280-16



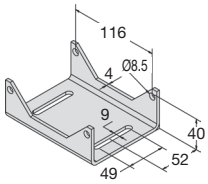
BW20-03



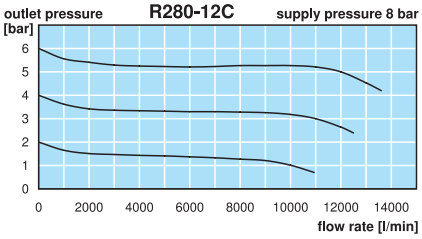
BW28-01

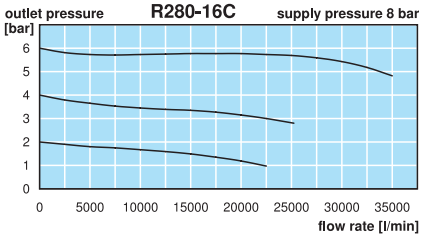


BW00-39



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

Gauges: see chapter for measuring devices

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Order number
R280-12A