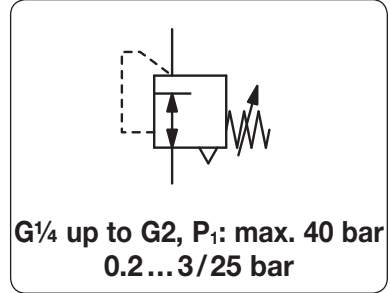
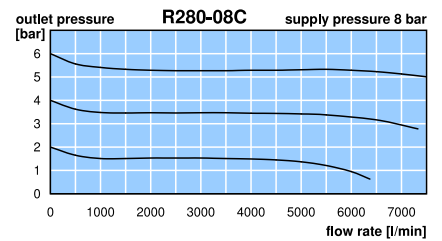
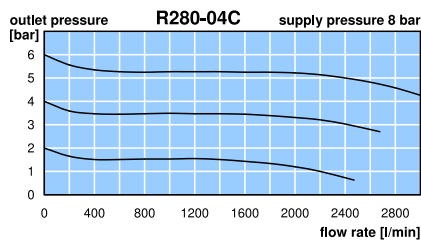
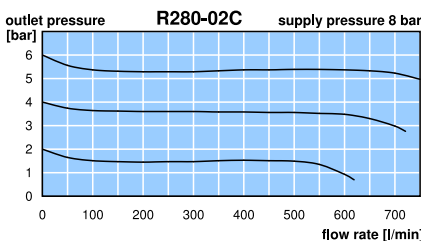
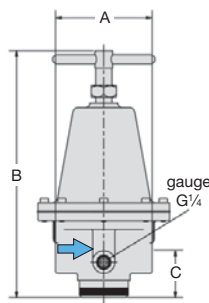
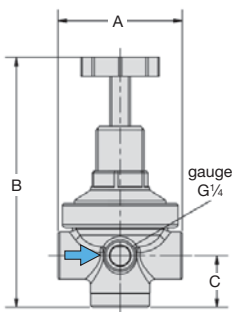


**Description** Diaphragm pressure regulator of solid design. Made of brass.  
**Media** compressed air, non-corrosive gases or liquids. R280-16 is not suitable for liquids.  
**Supply pressure** max. 40 bar  
**Adjustment** by handwheel with locknut for G $\frac{1}{4}$  to G $\frac{1}{2}$  regulators  
 by T-handle with locknut for G $\frac{3}{4}$  to G1 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 by	K <sub>v</sub> -value (m <sup>3</sup> /h)	Flow rate m <sup>3</sup> /h*1	l/min*1	Connection thread G	Pressure range bar	Order number
A mm	B mm	C mm							

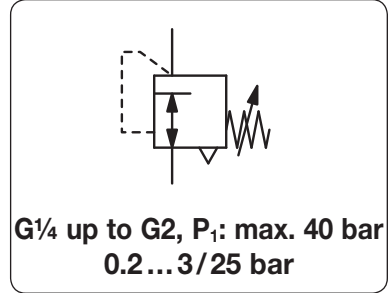
Brass pressure regulator								supply pressure max. 40 bar, for compressed air relieving, without pressure gauge	R280		
45	104	23	handwheel	0.48	45	750	G $\frac{1}{4}$	0.2 ... 3	R280-02A	0.2 ... 6	R280-02B
									R280-02C		
									R280-02D		
									R280-02E		
									R280-02E		
72	145	30	handwheel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



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

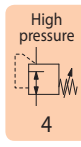
\*2 reduced from next bigger thread

**Description** Diaphragm pressure regulator of solid design. Made of brass.  
**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 <sub>v</sub> -value	Flow rate		Connection thread	Pressure range	Order number
A	B	C			m <sup>3</sup> /h	l/min*			
mm	mm	mm	by	(m <sup>3</sup> /h)	m <sup>3</sup> /h*	l/min*	G	bar	

Brass pressure regulator										supply pressure 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		

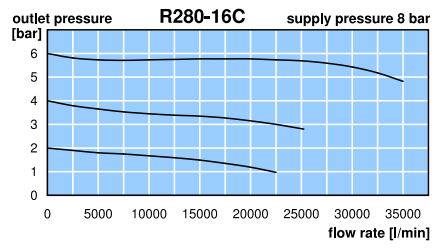
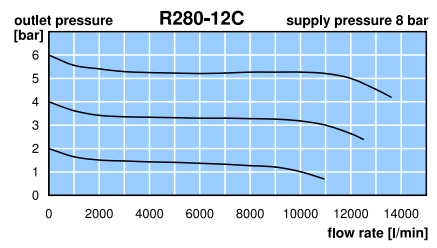
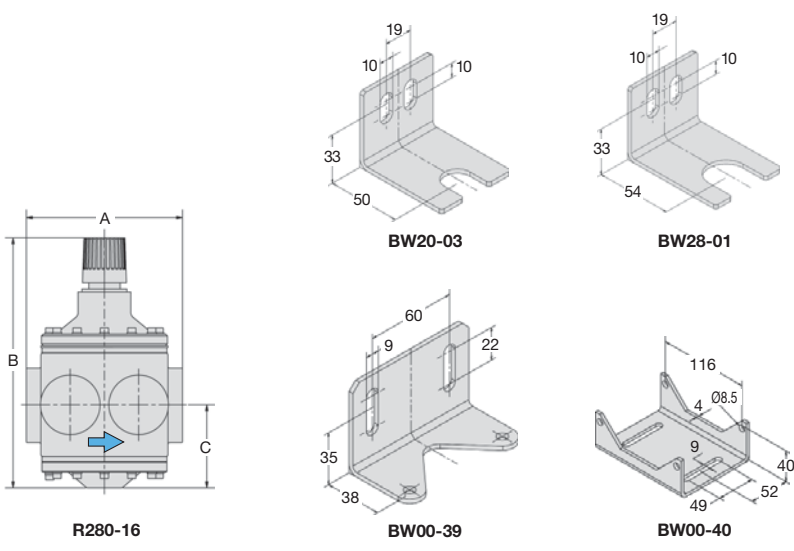


### Special options, add the appropriate letter

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

### Accessories, enclosed

**pressure gauge** Ø 50 mm, 0...<sup>\*2</sup> bar, G $\frac{1}{4}$  for G $\frac{1}{4}$  and G $\frac{1}{2}$  MA5002-...<sup>\*2</sup>  
 Ø 50 mm, 0...25 bar, G $\frac{1}{4}$  for G $\frac{1}{4}$  and G $\frac{1}{2}$  MA5002-25  
 Ø 63 mm, 0...<sup>\*2</sup> bar, G $\frac{1}{4}$  from G $\frac{3}{4}$  MA6302-...<sup>\*2</sup>  
 Ø 63 mm, 0...25 bar, G $\frac{1}{4}$  from G $\frac{3}{4}$  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 for G $\frac{3}{4}$  to G1 $\frac{1}{2}$  BW00-39  
**mounting bracket** made of steel for G2 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