

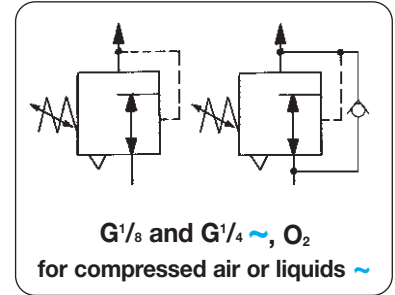
# Plastic Miniature Precision Pressure Regulator

R038 / R039

Miniature



<b>Description</b>	Miniature pressure regulator with diaphragm, designed for air or gas applications. R038-01.M Body: 100% plastic with EPDM diaphragm for use with neutral water R039-01.M With convoluted diaphragm for precision regulation R039-01.F With convoluted diaphragm and constant bleed for high precision, 3 l/min air consumption	
<b>Adjustment</b>	Plastic knob, tamper-proof, snap-lock, removable Red knob: relieving for compressed air Black knob: non-relieving for water	
<b>Supply pressure</b>	max. 16 bar / 240 psi	
<b>Relieving</b>	standard: for air, red knob non-relieving: for water, black knob	
<b>Gauge port</b>	1/8" on both sides of the body, option: only on one side or without port	
<b>Temperature range</b>	standard NBR diaphragm: 0 °C to 50 °C / 32 °F to 130 °F optional EPDM diaphragm: -20 °C to 70 °C / -4 °F to 160 °F, briefly 90 °C / 190 °F	
<b>Materials</b>	Body and spring cage: POM with brass inserts Option: POM throughout, R038-01.M Diaphragm with piston: NBR (Buna N) with brass Option: EPDM and stainless steel	



Dimensions W H mm mm	K <sub>v</sub> - value (m <sup>3</sup> /h)	Flow rate l/min*	Connection thread G	Pressure range bar	Order number	
					for water non-relieving	for air relieving

Standard mini regulator					supply max. 16 bar gauge connection G <sup>1</sup> / <sub>8</sub>	R038	
40	76	0.30	350	G <sup>1</sup> / <sub>8</sub>	0.2... 2	R038-01 AK	R038-01A
					0.2... 4	R038-01 BK	R038-01B
					0.3... 8	R038-01 CK	R038-01C
					0.3... 12	R038-01 DK	R038-01D
40	76	0.32	380	G <sup>1</sup> / <sub>4</sub>	0.2... 2	R038-02 AK	R038-02A
					0.2... 4	R038-02 BK	R038-02B
					0.3... 8	R038-02 CK	R038-02C
					0.3... 12	R038-02 DK	R038-02D



R038-02C R039-01CK

Regulator with basic accuracy					with convoluted diaphragm gauge connection G <sup>1</sup> / <sub>8</sub>	R039	
40	76	0.30	350	G <sup>1</sup> / <sub>8</sub>	0.1... 2	R039-01 AK	R039-01A
					0.1... 4	R039-01 BK	R039-01B
					0.2... 8	R039-01 CK	R039-01C
					0.2... 12	R039-01 DK	R039-01D
40	76	0.32	380	G <sup>1</sup> / <sub>4</sub>	0.1... 2	R039-02 AK	R039-02A
					0.1... 4	R039-02 BK	R039-02B
					0.2... 8	R039-02 CK	R039-02C
					0.2... 12	R039-02 DK	R039-02D

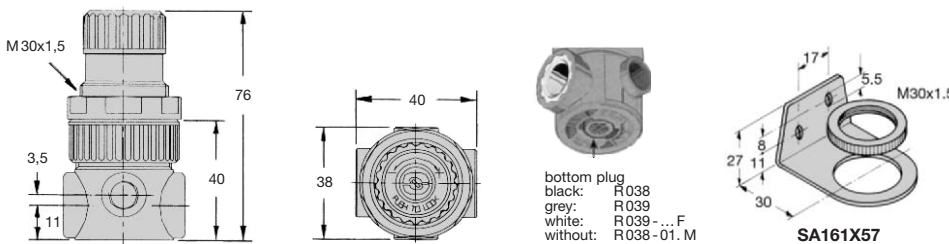
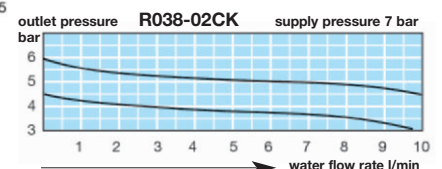
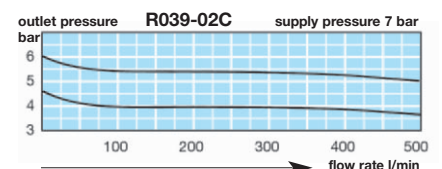
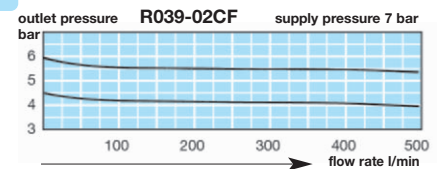
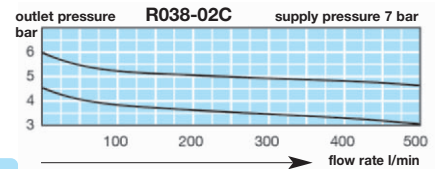


R038-01BKM2

Regulator with good accuracy					supply max. 16 bar, with constant bleed gauge connection G <sup>1</sup> / <sub>8</sub>	R039-F	
40	76	0.30	350	G <sup>1</sup> / <sub>8</sub>	0.1... 2	R039-01AF	R039-01A
					0.1... 4	R039-01BF	R039-01B
					0.1... 8	R039-01CF	R039-01C
					0.1... 12	R039-01DF	R039-01D
40	76	0.32	380	G <sup>1</sup> / <sub>4</sub>	0.1... 2	R039-02AF	R039-02A
					0.1... 4	R039-02BF	R039-02B
					0.1... 8	R039-02CF	R039-02C
					0.1... 12	R039-02DF	R039-02D

## Special options add the appropriate letter

plastic throughout	only G <sup>1</sup> / <sub>8</sub> available	only R038-01.	M	R038-01 . M
pressure gauge Ø 40	loose		G	R03 . . . G
without gauge port	both ports blocked		2	R03 . . . 2
only 1 gauge port	at back of unit, with supply to the left		3	R03 . . . 3
panel mounting nut	R05X51 plastic		P	R03 . . . P
mounting bracket	SA161X57 nut included		X	R03 . . . X
EPDM elastomer	stainless steel piston, non-relieving, only R038-01 . K		E	R038-01 . KE
for oxygen	clean		O	R03 . . . O
tamper-proof cap	non-adjustable knob		T	R03 . . . T
with check valve	parallel to regulator	only R039-02	S	R039-02 . S



\* at 7 bar supply pressure, 6 bar outlet pressure. For water, only 2% of the flow rate for air

<b>For your information:</b>	1 bar: 14.5 psi	1 l/min: 0.035 scfm	1 mm: 0.039 inch
	1 psi: 0.069 bar	1 scfm: 28.3 l/min	1 inch: 25.4 mm

**Order example:**  
R038-02C