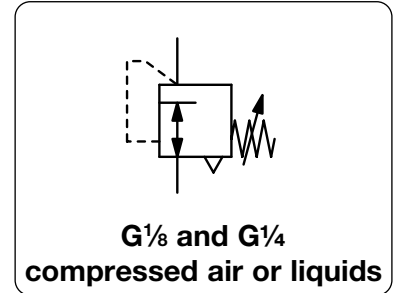


# PRECISION PRESSURE REGULATOR MADE OF PLASTIC

**R039**

<b>Description</b>	Diaphragm miniature pressure regulator of small and lightweight design. The regulator has increased accuracy due to a rolling diaphragm and a piston compensated to inlet pressure.	
<b>Media</b>	compressed air, non-corrosive gases or liquids	
<b>Supply pressure</b>	max. 16 bar	
<b>Air consumption</b>	without constant bleed	R039-F with max. 3 l/min air consumption
<b>Adjustment</b>	by plastic knob with snap-lock	
<b>Relieving function</b>	relieving for compressed air,	red adjusting knob
	non-relieving for liquids,	black adjusting knob
<b>Gauge port</b>	G $\frac{1}{8}$ on both sides of the body, screw plugs supplied	
<b>Mounting position</b>	any	
<b>Temperature range</b>	0 °C to 50 °C / 32 °F to 122 °F for NBR/Buna-N	
<b>Material</b>	Body: POM with brass thread insert Elastomer: NBR/Buna-N Inner valve: brass	



Dimensions			Flow rate		Connection	Pressure	Order number	Order number
A	B	C	water	air	thread	range	for water	for compressed air
mm	mm	mm	l/min*1	l/min*1	G	bar	non-relieving	relieving

Regulator w. increased accuracy							supply pressure max. 16 bar, w. rolling diaphragm, inlet pressure-compensated		R039
41	86	11	5	350	G $\frac{1}{8}$	0.1 ... 1	<b>R039-010K</b>	<b>R039-010</b>	<b>R039-010</b>
						0.2 ... 2	<b>R039-01AK</b>	<b>R039-01A</b>	<b>R039-01A</b>
						0.2 ... 4	<b>R039-01BK</b>	<b>R039-01B</b>	<b>R039-01B</b>
						0.3 ... 8	<b>R039-01CK</b>	<b>R039-01C</b>	<b>R039-01C</b>
						0.3 ... 12	<b>R039-01DK</b>	<b>R039-01D</b>	<b>R039-01D</b>
41	86	11	5	380	G $\frac{1}{4}$	0.1 ... 1	<b>R039-020K</b>	<b>R039-020</b>	<b>R039-020</b>
						0.2 ... 2	<b>R039-02AK</b>	<b>R039-02A</b>	<b>R039-02A</b>
						0.2 ... 4	<b>R039-02BK</b>	<b>R039-02B</b>	<b>R039-02B</b>
						0.3 ... 8	<b>R039-02CK</b>	<b>R039-02C</b>	<b>R039-02C</b>
						0.3 ... 12	<b>R039-02DK</b>	<b>R039-02D</b>	<b>R039-02D</b>

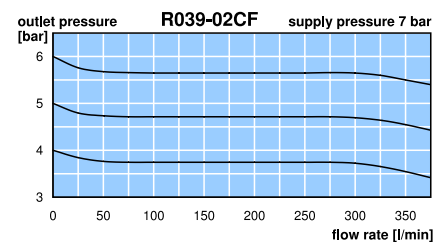
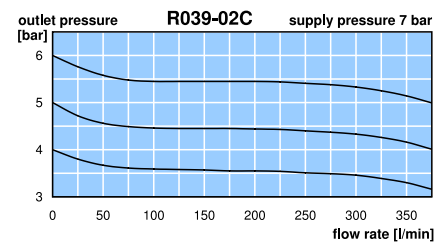
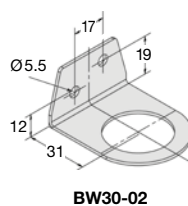
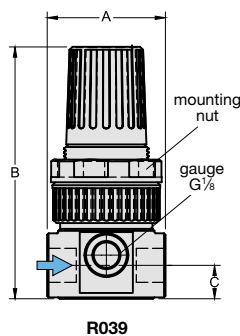


Precision pressure regulator							3 l/min air consumption, P <sub>i</sub> : max. 16 bar, w. rolling diaphragm, inlet pressure-compensated		R039-F
41	86	11	5	350	G $\frac{1}{8}$	0.1 ... 1	<b>R039-010F</b>	<b>R039-010F</b>	<b>R039-010F</b>
						0.2 ... 2	<b>R039-01AF</b>	<b>R039-01AF</b>	<b>R039-01AF</b>
						0.2 ... 4	<b>R039-01BF</b>	<b>R039-01BF</b>	<b>R039-01BF</b>
						0.3 ... 8	<b>R039-01CF</b>	<b>R039-01CF</b>	<b>R039-01CF</b>
						0.3 ... 12	<b>R039-01DF</b>	<b>R039-01DF</b>	<b>R039-01DF</b>
41	86	11	5	380	G $\frac{1}{4}$	0.1 ... 1	<b>R039-020F</b>	<b>R039-020F</b>	<b>R039-020F</b>
						0.2 ... 2	<b>R039-02AF</b>	<b>R039-02AF</b>	<b>R039-02AF</b>
						0.2 ... 4	<b>R039-02BF</b>	<b>R039-02BF</b>	<b>R039-02BF</b>
						0.3 ... 8	<b>R039-02CF</b>	<b>R039-02CF</b>	<b>R039-02CF</b>
						0.3 ... 12	<b>R039-02DF</b>	<b>R039-02DF</b>	<b>R039-02DF</b>



Special options, add the appropriate letter			
<b>adjustment lock</b>	non-adjustable knob		R039-0 . . T
<b>without gauge port</b>			R039-0 . . X02
<b>for oxygen</b>	especially cleaned, with oxygen grease	not for R039-0..F	R039-0 . . K15

Accessories, enclosed			
<b>pressure gauge</b>	Ø 40 mm, 0...*2 bar, G $\frac{1}{8}$	<b>MA4001- . . *2</b>	
<b>mounting bracket</b>	made of steel	<b>BW30-02</b>	
<b>mounting nut</b>	made of plastic	<b>M30x1,5K</b>	
	made of aluminium	<b>M30x1,5A</b>	



\*1 at 7 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop, for water: supply pressure 2 bar above outlet pressure  
\*2 02 = 0...2.5 bar, 04 = 0...4 bar, 10 = 0...10 bar, 16 = 0...16 bar

Gauges: see chapter for measuring devices

PDF CAD  
www.aircom.net

Order example:  
**R039-010K**