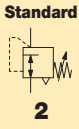
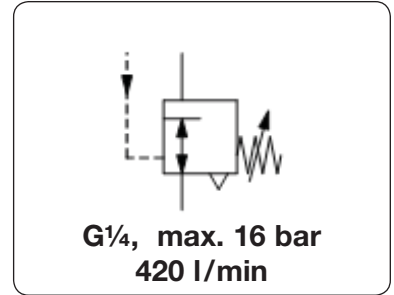


# Pressure Regulator with External Feedback

R218

<b>Description</b>	Diaphragm pressure regulator in small design for "feedback systems" in conjunction with volume flow boosters. Due to the external feedback, regulation is significantly improved and the flow rate increased.			
<b>Media</b>	compressed air and non-corrosive gases			
<b>Supply pressure</b>	max. 16 bar	<b>Air consumption</b>	approx. 3 bis 6 l/min	
<b>Adjustment</b>	by handwheel with snap-lock, for panel mounting			
<b>External Feedback</b>	should be installed at the outlet of the booster, e.g. at the gauge port, or at the outlet pipe. This will measure the pressure drop at the output of the booster and the pilot pressure will be readjusted.			
<b>Relieving function</b>	relieving			
<b>Gauge port</b>	G¼ on both sides of the body, screw plugs supplied	<b>Feedback connection</b>	G¼	
<b>Temperature range</b>	0 °C to 60 °C / 32 °F to 140 °F		<b>Mounting position</b>	any
<b>Material</b>	Body: zinc die-casting	Spring cage: zinc die-casting	Elastomer: FKM	



Dimensions			K <sub>v</sub> -value (m³/h)	Flow rate m³/h*1 l/min*1	Connection thread G	Pressure range bar	Order number
A	B	C					
mm	mm	mm					

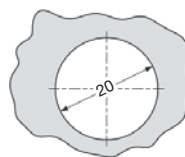
Regulator with external feedback							supply pressure max. 16 bar, relieving, with air consumption	R218
82	154	19	0,3	25	420	G¼	0.2 ... 7.0	R218-02C



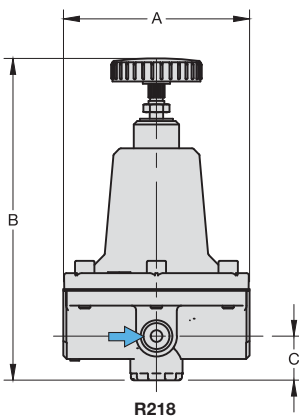
R218

## Accessories

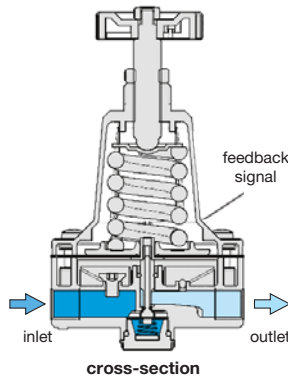
pressure gauge	Ø 63 mm, 0 ... 10 bar, G¼	MA6302-10
mounting bracket	made of steel	BW00-36
mounting nut	made of brass	M20x1,5M



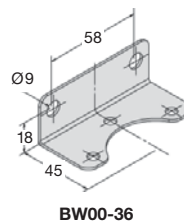
panel cut-out



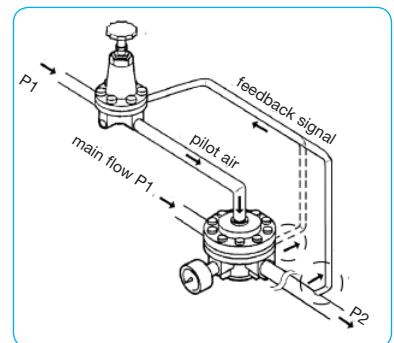
R218



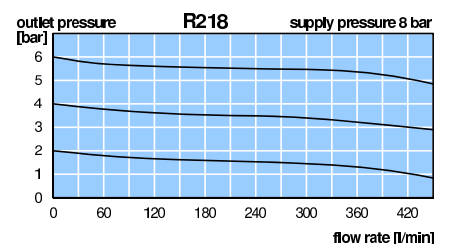
cross-section



BW00-36



Example: combination with booster



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

