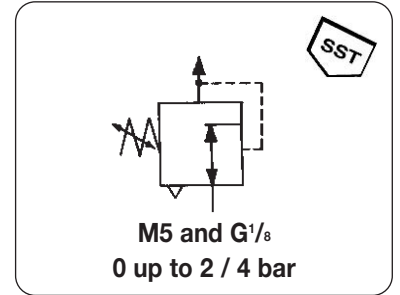


# Stainless Steel Clean Precision Regulator

RE1

<b>Description</b>	Clean high-precision regulator with low air consumption, of SUS316. Excellent corrosion resistance.		
<b>Media</b>	Compressed air, nitrogen N <sub>2</sub> , carbon dioxide CO <sub>2</sub> , argon Ar		
<b>Precision</b>	0.3% FS setting sensitivity	1% FS reproducibility	
<b>Air consumption</b>	0.5 l/min ANR or lower, bleed flow at 2 bar		
<b>Clean room condition</b>	Cleaned, assembled, inspected and sealed in a class 10000 environment. All parts without oil use. HFC1416 ultrasonic cleaning of all fluid-contact parts.		
<b>Temperature</b>	0 °C to 60 °C / 32 °F to 140 °F ambient and fluid temperature		
<b>Materials</b>	Body: SUS316	Elastomer: Viton, fluor rubber	
	Bonnet: PPS, fluorresin	Seat: PTFE	
	Spring: stainless steel	Piston: Ceramics	



Dimensions	K <sub>v</sub> -value	Flow capacity	Connection thread	Pressure range	Order number
height mm	width mm	(m <sup>3</sup> /h)	M5 / G	bar	

Precision regulator	relieving, P <sub>1</sub> : max. 10 bar,	with constant bleed with panel nut	RE1
75 30/40	0.2	60	M5 0.05 ... 2 bar 0.10 ... 4 bar RE1 - M5B RE1 - M5C
75 40	0.25	100	G <sup>1</sup> / <sub>8</sub> 0.05 ... 2 bar 0.10 ... 4 bar RE1 - 01B RE1 - 01C



RE1 - M5C

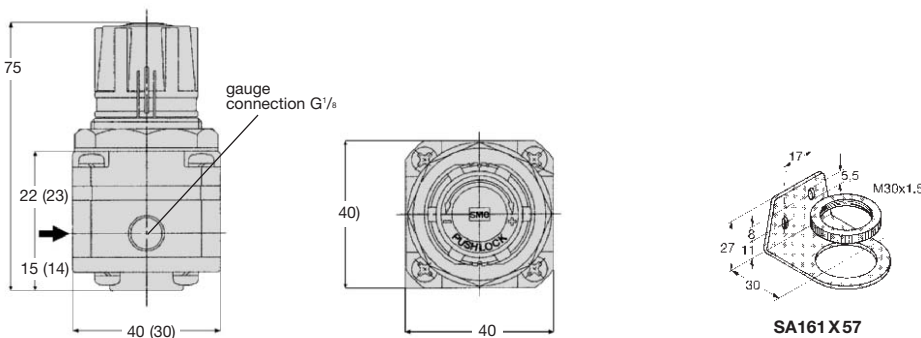
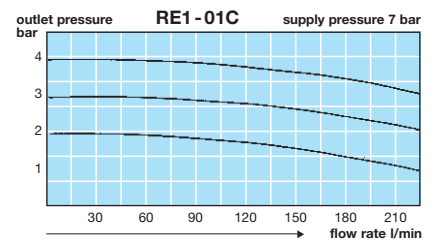
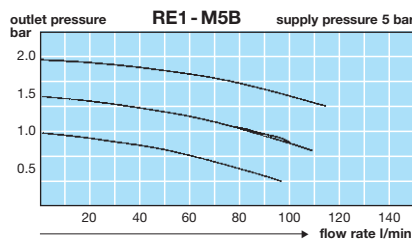
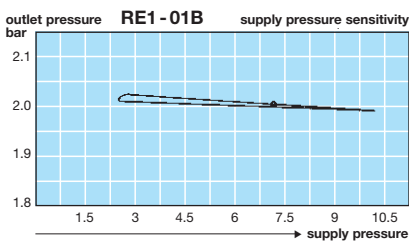
## Special options add the appropriate letter

mounting bracket SA161X57 X RE1 - . . . X



RE1 - 01C

SST  
SST  
9



( ) regulator with M5 connection thread  
\*1 at 7 bar supply pressure and 1 bar pressure drop

<b>For your information:</b>	1 bar: 14.5 psi	1 l/min: 0.035 scfm	1 mm: 0.039 inch	Pressure gauge: see end of chapter
	1 psi: 0.069 bar	1 scfm: 28.3 l/min	1 inch: 25.4 mm	

Order example: RE1 - 01C