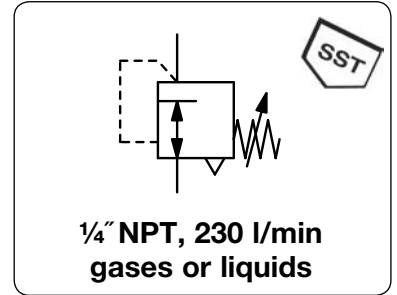


Precision Pressure Regulator Made of Stainless Steel

RP1

Description	Precision pressure regulator with diaphragm for low volume flow.	
Media	compressed air, gases or liquids	
Supply pressure	max. 21 bar	Adjustment by handwheel
Accuracy	at supply pressure variation of 1 bar: response sensitivity:	< 5 mbar pressure deviation < 1 mbar at relieving version
Air consumption	max. 2 l/min, subject to outlet pressure at relieving version,	no constant bleed at non-relieving version
Relieving function	relieving, optionally non-relieving	
Gauge port	not available	
Temperature range	0 to 70 °C / 32 to 194 °F for NBR, 0 to 90 °C / 32 to 194 °F for FKM or EPDM, 0 to 180 °C / 32 to 356 °F for Ni-Span-C,	Mounting position any for appropriately conditioned compr. air down to -30 °C / - 22 °F for appropriately conditioned compr. air down to -40 °C / - 40 °F for appropriately conditioned compr. air down to -50 °C / - 58 °F
Material	Body: stainless steel 316 Diaphragm: NBR/Buna-N with single-sided PTFE coating, optionally Nomex with FKM or EPDM coating, Valve seat: FKM	Spring cage: brass, optionally stainless steel



Dimensions			K _v value (m ³ /h)	Flow rate		Connection thread NPT	Pressure range bar	Order number
A	B	C		m ³ /h*1	l/min*1			

Precision pressure regulator							supply pressure max. 21 bar, relieving, with constant bleed, brass spring cage	RP10
65	114	15	0.1	14	230	1/4" NPT	0...0.20	RP10-0
							0...0.35	RP10-A
							0...1.0	RP10-B
							0...1.7	RP10-C
							0...2.4	RP10-D
							0...3.5	RP10-E
							0...8.6	RP10-G



RP10, with brass spring cage

Special options, add the appropriate letter

stainless steel spring cage	stainless steel 316	RP11 - .
hexagonal adjusting screw	instead of handwheel, total height 106 mm	RP1 . - .M
non-relieving	without relieving function, no constant bleed	RP1 . - .K
FKM diaphragm	Nomex with FKM coating	RP1 . - .V
EPDM diaphragm	Nomex with EPDM coating	RP1 . - .E
for oxygen	specially cleaned, with oxygen grease	RP1 . - .15
up to 180 °C / 356 °F	high temperature version	RP1 . - .X53

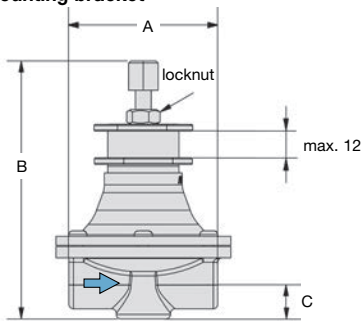


RP11, with SST spring cage

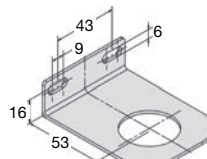
Accessories, enclosed

mounting bracket

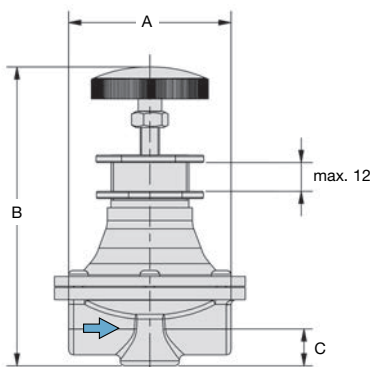
BW35-01S



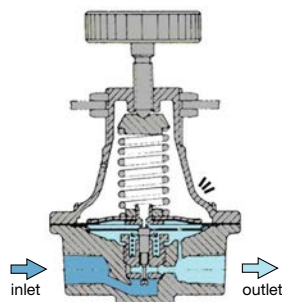
RP10- . M



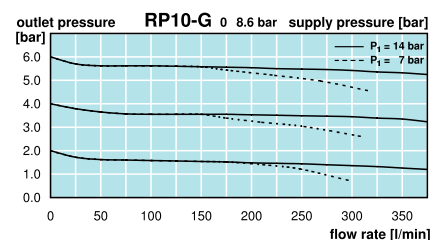
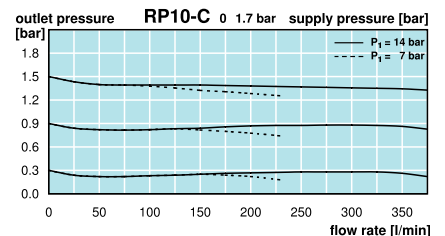
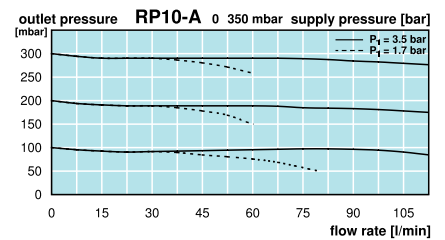
BW35-01S



RP10



cross section



*1 at 7 bar supply pressure and 4 bar outlet pressure



Order example:
RP10-0
China website: www.duray-control.cn