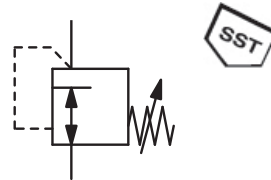


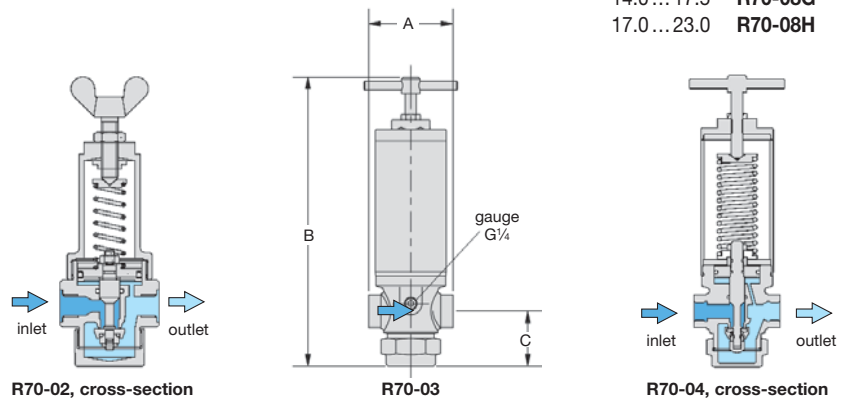
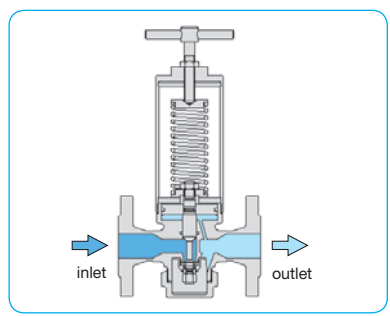
Description	Piston-operated pressure regulator made of stainless steel up to pressure range of 52 bar, independent to inlet pressure.	
Note	It is recommended to select an outlet diameter at least one time larger than the main valve's diameter.	
Media	compressed air, gases, liquids or steam (R70-02 not suitable for steam)	
Supply pressure	max. 16 bar at R70-02,	max. 40 bar at R70-16/-20,
Adjustment	max. 63 bar at R70-03/-06 to -12,	max. 100 bar at R70-04
Relieving function	by wing screw at R70-02,	with locknut
Gauge port	by T-handle at R70-03 to -20,	with locknut
Temperature range	non-relieving	
Material	Body: stainless steel 1.4301 or 1.4571 (R70-02), optionally 1.4435	Mounting position any
	Spring cage: stainless steel 1.4301	Diaphragm: EPDM
	Seals: EPDM, optionally PTFE	O-rings: EPDM



0.25 ... 0.46/52 bar, up to G2½
also for food

Dimensions			Nominal size	K _v -value	Flow rate		Connection thread	P ₁ max.	Pressure range	Order number
A	B	C	DN	(m³/h)	air l/min*1	water l/min*2	G	bar	bar	

SST pressure regulator											supply pressure max. 16/63/100 bar, non-relieving, for compressed air, gas, water, steam*3	R70
58	185	36	8	0.63	24	3	G¼	16	1.0 ... 2.0	R70-02A		
									2.0 ... 4.0	R70-02B		
									2.5 ... 5.0	R70-02C		
									3.5 ... 7.0	R70-02D		
70	253	48	10	2.0	55	6	G¾	*4	0.5 ... 1.2	R70-03A		
									0.9 ... 1.8	R70-03B		
									1.6 ... 3.2	R70-03C		
									3.3 ... 6.5	R70-03D		
									5.0 ... 10.0	R70-03E		
									10.0 ... 17.0	R70-03F		
90	333	58	15	3.0	120	15	G½	*4	0.6 ... 1.2	R70-040		
									1.0 ... 2.0	R70-04A		
									1.5 ... 3.0	R70-04B		
									2.7 ... 5.0	R70-04C		
									4.3 ... 8.5	R70-04D		
									8.5 ... 17.0	R70-04E		
									15.0 ... 25.0	R70-04F		
									25.0 ... 38.0	R70-04G		
									38.0 ... 53.0	R70-04H		
90	333	58	20	3.2	200	25	G¾	*4	0.6 ... 1.2	R70-060		
									1.0 ... 2.0	R70-06A		
									1.5 ... 3.0	R70-06B		
									2.7 ... 5.0	R70-06C		
									4.3 ... 8.5	R70-06D		
									8.5 ... 17.0	R70-06E		
									15.0 ... 25.0	R70-06F		
									25.0 ... 38.0	R70-06G		
									38.0 ... 53.0	R70-06H		
105	368	68	25	6.3	350	45	G1	*4	0.5 ... 1.1	R70-08A		
									1.2 ... 2.4	R70-08B		
									2.0 ... 4.2	R70-08C		
									4.0 ... 8.0	R70-08D		
									8.0 ... 11.5	R70-08E		
									11.0 ... 14.2	R70-08F		
									14.0 ... 17.5	R70-08G		
									17.0 ... 23.0	R70-08H		



*1 at flow velocity 10 m/s
*2 at 2.5 m/s
*3 not for R70-02
*4 P₁ max. = P₂ max. + 25 bar

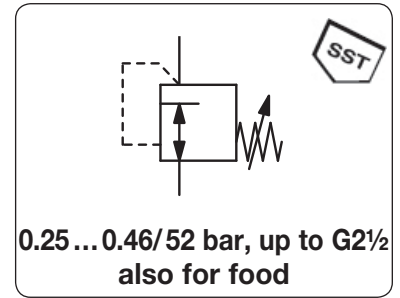


PDF CAD
www.aircom.net

Order example:
R70-02A

Pharmacy and food-safe version

Description	The pharmacy version (option P) standard design is completely made of stainless steel, independent of inlet pressure, sealed at zero consumption, with EPDM and steamable up to 140 °C / 284 °F. Media contact parts have roughness of $R_a < 2.6 \mu\text{m}$.				
Special options	Add the appropriate letter to the order number:				
Outer surface	Valve body: electropolished	FA	glass bead shot-peened	FC	
	Complete valve: electropolished	FB	glass bead shot-peened	FD	ground/polished $R_a 1.2 \mu\text{m}$
Inner surface	Valve body: $R_a < 2.0 \mu\text{m}$	GA	glass bead shot-peened	GC	$R_a < 0.5 \mu\text{m}$
	Media contact parts: $R_a < 1.6 \mu\text{m}$	GB	$R_a < 0.8 \mu\text{m}$	GD	
Connection	Aseptic flange as per DIN 11864-2	F(AS)	as per APV	F(APV)	
	Flange as per DIN 2633 (PN16)	F	as per ANSI B16.5 150 lbs	F150lbs	
	Threaded connection as per DIN 11851	GA			
	Clamp fittings as per DIN 32676	CL			

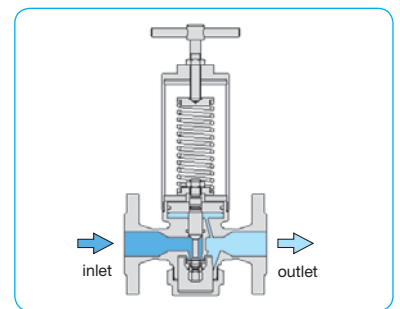


Dimensions	Nominal size	K_v -value	Flow rate air	Flow rate water	Connection thread	P_1 max.	Pressure range	Order number
A B C	DN	(m^3/h)	l/min^*1	l/min^*2	G	bar	bar	

SST pressure regulator

supply pressure max. 16/63/100 bar, non-relieving, for compressed air, gas, water, steam*3 **R70**

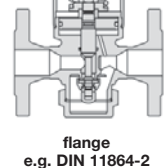
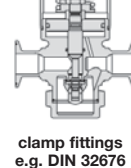
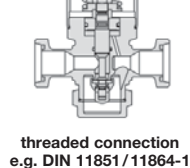
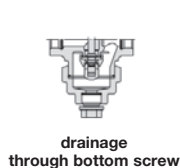
145	410	85	40	12.5	900	120	G1½	*4	1.0 ... 2.2	R70-12A
									1.9 ... 3.5	R70-12B
									3.5 ... 4.3	R70-12C
									4.0 ... 6.7	R70-12D
									6.0 ... 8.8	R70-12E
									8.0 ... 12.3	R70-12F
									11.0 ... 17.0	R70-12G
145	410	85	50	13.0	1300	160	G2	*4	1.0 ... 2.2	R70-16A
									1.9 ... 3.5	R70-16B
									3.5 ... 4.3	R70-16C
									4.0 ... 6.7	R70-16D
									6.0 ... 8.8	R70-16E
									8.0 ... 12.3	R70-16F
									11.0 ... 17.0	R70-16G
220	685	145	65	28.0	3200	420	G2½	*4	0.25 ... 0.46	R70-20A
									0.5 ... 1.1	R70-20B
									1.2 ... 2.4	R70-20C
									2.5 ... 5.5	R70-20D
									4.5 ... 9.1	R70-20E
									6.0 ... 12.0	R70-20F



Special options, add the appropriate letter

NPT	connection thread	R70-...N
stainless steel 1.4435 up to 150 °C / 302 °F	housing 1.4435, spring cage 1.4301 for G¾ up to G1	R70-...S
up to 200 °C / 392 °F	PTFE seals	R70-...X55
tamper-proof cap drainage	PTFE / AF100 seals	R70-...X56
volume booster	adjustment by spanner, height 35 mm lower	R70-...T
other connections for pharmacy	through bottom screw	R70-...U
CIP cleaning for food industry	pneumatic pressure setting	R70-...J
	DIN or ANSI flange, threaded connection or clamp fittings	R70-...F.
	forged stainless steel, $R_a < 2.6 \mu\text{m}$, steamable, EPDM	R70-...P
	pressure regulator sterilisable and minimal dead spots	R70-...
	EPDM elastomer with FDA approval	R70-...

pressure gauge	Ø 63 mm, 0...*3 bar, G¼ for other requirements on request	MS6302-...*3
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*1 at flow velocity 10 m/s
*2 at 2.5 m/s

*3 02 = 0...2.5 bar, 04 = 0...4 bar, 06 = 0...6 bar, 10 = 0...10 bar, 16 = 0...16 bar, 25 = 0...25 bar, 60 = 0...60 bar
*4 P_1 max. = P_2 max. + 25 bar