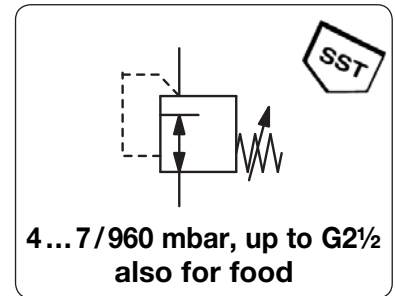


Low Pressure Regulator Made of Stainless Steel, Suitable for Pharmacy R75

Description	Diaphragm-operated pressure regulator completely made of stainless steel for very low outlet pressure, independent of inlet pressure.		
Note	It is recommended to select an outlet diameter at least one time larger than the main valve's diameter. Mounting position with spring cage downward at pressure range < 100 mbar.		
Media	compressed air or gases		
Supply pressure	max. 25 bar at R75-02 to -A8,	max. 16 bar at R75-08/16	
Adjustment	by T-handle with locknut		
Relieving function	non-relieving		
Gauge port	G $\frac{1}{4}$ on both sides of the body	Mounting position	spring cage downward
Temperature range	0 °C to 140 °C / 32 °F to 284 °F for EPDM, steamable		
Material	Body: stainless steel 1.4301, optionally 1.4435 Diaphragm: EPDM	Seals: EPDM	Spring cage: stainless steel 1.4301 O-rings: EPDM



Dimension	Nominal size	K _v -value	Flow air	Flow water	Connection thread	Diaphragm Ø	Supply pressure	Pressure range	Order number
A	B	C	DN	(m ³ /h)	G	Ø mm	recomm. < bar	mbar	number

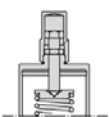
Low pressure regulator										supply pressure max. 16 / 25 bar, non-relieving, without constant bleed		R75		
70	368	48	8	1.2	30	1.8	G $\frac{1}{4}$	405	0.5	4 ... 7	R75-02A	0.5	6 ... 13	R75-02B
									0.5	11 ... 22	R75-02C	0.8	20 ... 40	R75-02D
							R75-03 for G $\frac{3}{8}$		1.2	33 ... 65	R75-02E	1.2	33 ... 65	R75-02E
							R75-A4 for G $\frac{1}{2}$	310	1.5	40 ... 80	R75-02F	2.0	60 ... 130	R75-02G
								245	4.0	90 ... 180	R75-02H	25	150 ... 300	R75-02I
								190	25	300 ... 610	R75-02K	25	500 ... 960	R75-02L
70	368	48	10	2.0	30	1.8	G $\frac{3}{8}$	...	...	...	R75-03			
70	368	48	15	2.2	30	1.8	G $\frac{1}{2}$	...	...	...	R75-A4			
90	368	58	15	3.0	120	7.2	G $\frac{1}{2}$	405	0.5	4 ... 7	R75-04A	0.5	6 ... 12	R75-04B
									0.5	11 ... 21	R75-04C	0.8	19 ... 38	R75-04D
							R75-06 for G $\frac{3}{4}$		1.2	30 ... 60	R75-04E	1.2	30 ... 60	R75-04E
							R75-A8 for G1	310	1.5	40 ... 77	R75-04F	2.0	60 ... 127	R75-04G
								245	4.0	90 ... 170	R75-04H	25	150 ... 290	R75-04I
								190	25	300 ... 590	R75-04K	25	500 ... 920	R75-04L
90	368	58	20	3.2	120	7.2	G $\frac{3}{4}$	...	...	...	R75-06			
90	368	58	25	3.5	120	7.2	G1	...	...	...	R75-A8			
105	388	68	25	6.3	370	22	G1	405	0.5	4 ... 6	R75-08A	0.5	5 ... 11	R75-08B
									0.5	10 ... 20	R75-08C	0.8	18 ... 35	R75-08D
							R75-12 for G1½		1.2	30 ... 58	R75-08E	1.2	30 ... 58	R75-08E
								310	1.4	35 ... 70	R75-08F	2.0	60 ... 120	R75-08G
								245	5.0	130 ... 260	R75-08H			



R75-02A



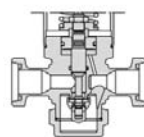
R75-04I



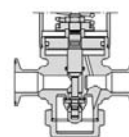
tamper-proof cap for pressure adjustment



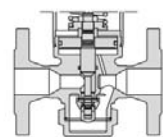
drainage through bottom screw



threaded connection e.g. DIN 11851/11864-1



clamp fittings e.g. DIN 32676



flange e.g. DIN 11864-2

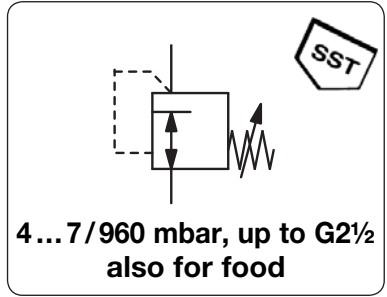
*1 at 10 m/s flow velocity
*2 at 1.5 m/s flow velocity



Low Pressure Regulator Made of Stainless Steel, Suitable for Pharmacy R75

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 $R_a 1.2 \mu\text{m}$ FE
Inner surface	Valve body: $R_a < 2.0 \mu\text{m}$		glass bead shot-peened	GA	
	Media contact parts: $R_a < 1.6 \mu\text{m}$	GB	$R_a < 0.8 \mu\text{m}$	GC	$R_a < 0.5 \mu\text{m}$ 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			



Dimension	Nominal size	K_v -value	Flow air	Flow water	Connection thread	Diaphragm Ø	Supply Pressure	Pressure range	Order number
A	B	C	DN	(m³/h)		Ø mm	recomm. < bar	mbar	

Low pressure regulator										supply pressure max. 16 / 25 bar, non-relieving, without constant bleed		R75	
145	435	85	50	13.0	1350	81	G2*	405	0.5	4 ... 6			R75-16A
									0.5	5 ... 11			R75-16B
									0.5	10 ... 19			R75-16C
									0.8	17 ... 33			R75-16D
									1.2	27 ... 54			R75-16E
								310	2.0	60 ... 110			R75-16F
									3.0	80 ... 170			R75-16G
								245	4.0	120 ... 250			R75-16H
									16	190 ... 380			R75-16I
								190	16	250 ... 500			R75-16K
									16	400 ... 790			R75-16L
145	435	85	40	12.5	1350	81	G1½	...	...	...			R75-B2.
145	435	85	65	13.5	1350	81	G2½	...	...	...			R75-20.

Special options, add the appropriate letter			
NPT	connection thread		R 75 - ... N
stainless steel 1.4435	housing 1.4435, spring cage 1.4301	for G¾ up to G1	R 75 - ... S
tamper-proof cap	adjustment by spanner, height 40 mm lower		R 75 - ... T
drainage	through bottom screw		R 75 - ... U
volume booster	pneumatic pressure setting		R 75 - ... J
other connections	DIN or ANSI flange, threaded connection or clamp fittings		R 75 - ... F.
for pharmacy	forged stainless steel, $R_a < 2.6 \mu\text{m}$, steamable, EPDM		R 75 - ... P
CIP cleaning	pressure regulator sterilisable and minimal dead spots		R 75 - ...
for food industry	EPDM elastomer with FDA approval		R 75 - ...

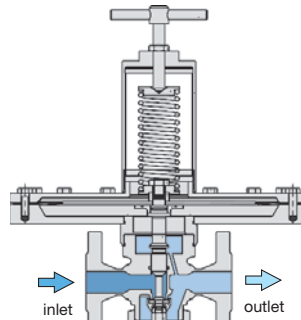
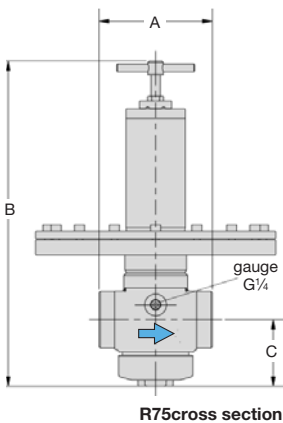
Accessories, enclosed	
pressure gauge	Ø 63 mm, 0...*3 bar, G¼, capsule type, 0...100 °C / 32...212 °F MS6302-..*3 for other requirements on request



R75-08IF



R75-16A



*1 at 10 m/s flow velocity
*2 at 1.5 m/s flow velocity
*3 B2 = 0...25 mbar, B6 = 0...60 mbar, C1 = 0...100 mbar, C3 = 0...250 mbar, C4 = 0...400 mbar, C6 = 0...600 mbar



Order example:
R75-16A
China website: www.duray-control.cn