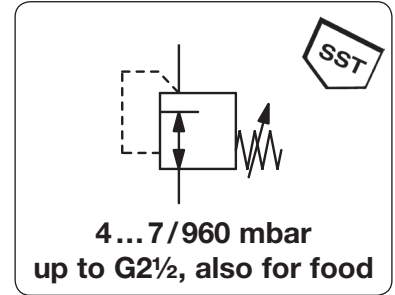


Low Pressure Regulator Made of Stainless Steel, Suitable for Pharmacy R74

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 R74-02 to -A8,	max. 16 bar at R74-08/16	
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	Seals: EPDM	Spring cage: stainless steel 1.4301 O-rings: EPDM



Dimensions			Nominal	K _v	Flow		Connection	Dia-	Supply	Pressure	Order
A	B	C	size	value	Air	Water	thread	phragm	recomm.	range	number
mm	mm	mm	DN	(m ³ /h)	l/min*1	l/min*2	G	Ø mm	< bar	mbar	

Low pressure regulator R74

supply pressure max. 16 / 25 bar, non-relieving, without constant bleed

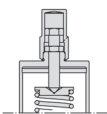
70	368	48	8	1.2	30	1.8	G $\frac{1}{4}$	405	0.5	4 ... 7	R74-02A
									0.5	6 ... 13	R74-02B
									0.5	11 ... 22	R74-02C
							R74-03 for G $\frac{3}{8}$		0.8	20 ... 40	R74-02D
							R74-A4 for G $\frac{1}{2}$	310	1.2	33 ... 65	R74-02E
									1.5	40 ... 80	R74-02F
								245	2.0	60 ... 130	R74-02G
									4.0	90 ... 180	R74-02H
									25	150 ... 300	R74-02I
								190	25	300 ... 610	R74-02K
									25	500 ... 960	R74-02L
70	368	48	10	2.0	30	1.8	G $\frac{3}{8}$	...	...	...	R74-03 .
70	368	48	15	2.2	30	1.8	G $\frac{1}{2}$	...	...	...	R74-A4 .
90	368	58	15	3.0	120	7.2	G $\frac{1}{2}$	405	0.5	4 ... 7	R74-04A
									0.5	6 ... 12	R74-04B
									0.5	11 ... 21	R74-04C
							R74-06 for G $\frac{3}{4}$		0.8	19 ... 38	R74-04D
							R74-A8 for G1	310	1.2	30 ... 60	R74-04E
									1.5	40 ... 77	R74-04F
								245	2.0	60 ... 127	R74-04G
									4.0	90 ... 170	R74-04H
									25	150 ... 290	R74-04I
								190	25	300 ... 590	R74-04K
									25	500 ... 920	R74-04L
90	368	58	20	3.2	120	7.2	G $\frac{3}{4}$	...	...	...	R74-06 .
90	368	58	25	3.5	120	7.2	G1	...	...	...	R74-A8 .
105	388	68	25	6.3	370	22	G1	405	0.5	4 ... 6	R74-08A
									0.5	5 ... 11	R74-08B
									0.5	10 ... 20	R74-08C
							R74-12 for G1½		0.8	18 ... 35	R74-08D
								310	1.2	30 ... 58	R74-08E
									1.4	35 ... 70	R74-08F
									2.0	60 ... 120	R74-08G
								245	5.0	130 ... 260	R74-08H
									16	200 ... 410	R74-08I
									16	250 ... 540	R74-08K
								190	16	420 ... 850	R74-08L
105	388	68	32	6.5	370	22	G1¼	...	...	...	R74-10 .
105	388	68	40	6.7	370	22	G1½	...	...	...	R74-12



R74-02A



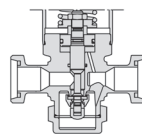
R74-04I



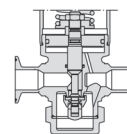
tamper-proof cap for pressure adjustment



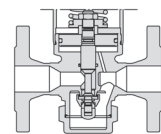
drainage through bottom screw



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



clamp fittings e.g. DIN 32676



flange e.g. DIN 11864-2

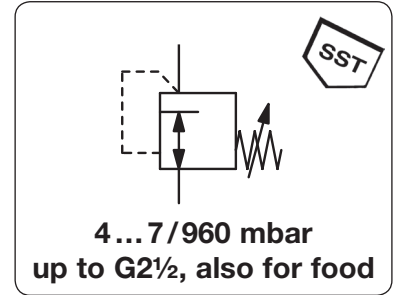
*1 at 10 m/s flow velocity
*2 at 1.5 m/s flow velocity



Low Pressure Regulator Made of Stainless Steel, Suitable for Pharmacy R74

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				



Dimensions			Nominal	Flow	Connection	Dia-	Supply	Pressure	Order
A	B	C	size	value	thread	phragm	recomm.	range	number
mm	mm	mm	DN	(m³/h)	G	Ø mm	< bar	mbar	

Low pressure regulator

supply pressure max. 16 / 25 bar, non-relieving, without constant bleed

R74

145	435	85	50	13.0	1350	81	G2*	405	0.5	4 ... 6	R74-16A
									0.5	5 ... 11	R74-16B
									0.5	10 ... 19	R74-16C
									0.8	17 ... 33	R74-16D
									1.2	27 ... 54	R74-16E
								310	2.0	60 ... 110	R74-16F
									3.0	80 ... 170	R74-16G
								245	4.0	120 ... 250	R74-16H
									16	190 ... 380	R74-16I
								190	16	250 ... 500	R74-16K
									16	400 ... 790	R74-16L
145	435	85	40	12.5	1350	81	G1½	...	...	...	R74-B2.
145	435	85	65	13.5	1350	81	G2½	...	...	...	R74-20.



R74-08IF.



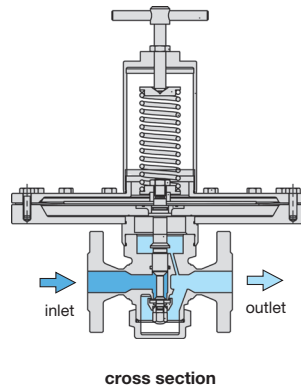
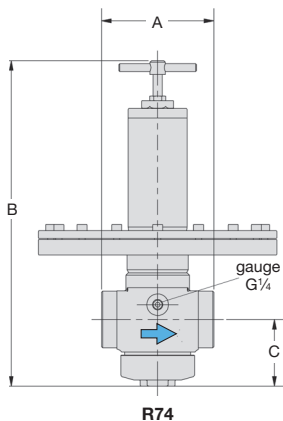
R74-16A

Special options, add the appropriate letter

NPT	connection thread	R74-...N
stainless steel 1.4435	housing 1.4435, spring cage 1.4301	for G¾ up to G1 R74-...S
tamper-proof cap	adjustment by spanner, height 40 mm lower	R74-...T
drainage	through bottom screw	R74-...U
volume booster	pneumatic pressure setting	R74-...J
other connections	DIN or ANSI flange, threaded connection or clamp fittings	R74-...F.
for pharmacy	forged stainless steel, $R_a < 2.6 \mu\text{m}$, steamable, EPDM	R74-...P
CIP cleaning	pressure regulator sterilisable and minimal dead spots	R74-...
for food industry	EPDM elastomer with FDA approval	R74-...

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	



*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

Gauges: see chapter for measuring devices

PDF CAD
www.aircom.net



Order example:
R74-16A