

RE 18316-61/10.09

1/2

Sequence valves

JIC series direct acting poppet type

VSQ-60-LM



0T.S1.03.00.03-Z-W

Description

They are composed by a relief valve (opening "B-A") and by a reverse flow check valve "A-B".

Initially the flow goes to a first line connected in parallel to the B side, not shown here, and pressure increases until reaching the selected relief setting; then the relief valve opens and the second circuit is supplied out of A port, while the actuator connected to the B side remains pressurized. The incorporated check valve allows the reverse motion of the actuators which happens without specific control of the sequence, only depending from the load/pressure conditions. Note that pressure at A needed to operate the second actuator

Note that pressure at A needed to operate the second actuator is additive to the relief setting, and, for this reason, this valve is successfully employed to energize a secondary actuator which only requires low pressure.

Technical data

Pressure P max bar (psi)	Flow Q max I/min (gpm)	Weight kg (lbs)
350 (5000)	60 (16)	0.37 (0.82)

Steel body, zinc plated

Advantages

В

-Very compact design and inline mounting for space saving. -Mounting position is unrestricted. -Different springs available for different pressure ranges (see the "Z", table).

Dimensions



Springs			
Ζ	Adj. press. range bar (psi)		
05	20-100 (290-1450)		
10	110-170 (1595-2465)		
20	180-230 (2610-3335)		
35	240-350 (3480-5075)		

The valve is supplied with the relief setting requested by the customer and is non-adjustable. Refer to the table. Standard pressure setting are specified in the relevant "W" table. For special pressure setting, consult us.

Std. SETTING bar (psi) Q= 5 l/m							
w	Z=05	Z=10	Z=20	Z=35			
01	20 (290)	110 (1595)	180 (2610)	240 (3480)			
02	30 (435)	120 (1740)	190 (2755)	250 (3625)			
03	40 (580)	130 (1885)	200 (2900)	260 (3770)			
04	50 (725)	140 (2030)	210 (3045)	270 (3915)			
05	60 (870)	150 (2175)	220 (3190)	280 (4060)			
06	70 (1015)	160 (2320)	230 (3335)	290 (4205)			
07	80 (1160)	170 (2465)		300 (4350)			
08	90 (1305)			310 (4495)			
09	100 (1450)			320 (4640)			

Applications

They are employed to control the sequence of two or more cylinders or motors, when the second actuator must be allowed to move only after the first actuator has performed a certain function. The incorporated check valve allows free reverse motion without specific control of the sequence.

Ordering code



Туре	Material number	Туре	Material number	Туре	Material number
0TS10300030501	R931001994	0TS10300031004	R931002012	0TS10300033503	R931002025
0TS10300030502	R931001995	0TS10300031005	R931002013	0TS10300033504	R931002026
0TS10300030503	R931001996	0TS10300031006	R931002014	0TS10300033505	R931002027
0TS10300030504	R931001997	0TS10300031007	R931002015	0TS10300033506	R931002028
0TS10300030505	R931000099	0TS10300032001	R931002016	0TS10300033507	R931002029
0TS10300030506	R931001998	0TS10300032002	R931002017	0TS10300033508	R931002030
0TS10300030507	R931002000	0TS10300032003	R931002018	0TS10300033509	R931002031
0TS10300030508	R931002004	0TS10300032004	R931002019		
0TS10300030509	R931002005	0TS10300032005	R931002020		
0TS10300031001	R931002009	0TS10300032006	R931002021		
0TS10300031002	R931002010	0TS10300033501	R931002022		
0TS10300031003	R931002011	0TS10300033502	R931002024		

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Subject to change.