OR valves

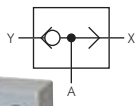
Materials: Body: Aluminium anodised, internal parts: Brass and stainless steel (standard design: brass and plastic), seals: NBR
Temperature range: -10°C to max. +70°C (standard design: max. +60°C)
Media: Oiled and unoiled filtered compressed air
Operating pressure: -0.95 to 10 bar (standard design: 2 to 10 bar)
Function: A signal appears at outlet A, only if on inlet X or Y there is a signal. If signals are positioned at both inlets, then the higher pressure will reach outlet A.
The OR member has no separate venting as a passive element. After deleting both input signals ventilation occurs via the upstream signal members.

Type	Connection	Nominal width	Flow
Precision design			
OR 25	M 5	3.2 mm	160 l/min.
OR 18	G 1/8"	4.0 mm	280 l/min.
OR 03	Push-in hose 4.3 x 3	2.5 mm	120 l/min.
OR 04	Push-in hose 6 x 4	3.0 mm	150 l/min.
Standard design			
OR 18 B	G 1/8"	6.5 mm	500 l/min.
OR 14 B	G 1/4"	8.0 mm	1,200 l/min.

Dimensions can be found in the item details in our Online Shop

Suitable for vacuum

precision design




standard design

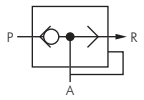
Quick exhaust valves

Precision design:
Materials: Body: Aluminium anodised, seals: NBR
Temperature range: -10°C to max. +70°C
Operating pressure: 0.5 to 10 bar
Media: Oiled and unoiled filtered compressed air

Standard design:
Materials: Body: Brass nickel-plated, seals: NBR/Polyurethane
Temperature range: -20°C to max. +70°C
Operating pressure: 1 to 10 bar
Media: Oiled and unoiled filtered compressed air
☞ **Optional:** FKM seal (-20°C to max. +150°C) **-V**

Function: These valves are used to vent the cylinders quickly and enhance the cylinder speed. For this, they are screwed directly on the cylinder using the connection A.
Working: The air flowing through the control valve can flow continuously from connection P to the connection A.
Exhaust: When the control valve switches over to venting, P becomes depressurised. The valve switches to flow from A to R and the air from the cylinder can be freely vented into the open.

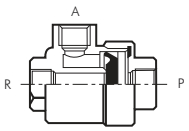
precision design



Warning! Only for use in cylinders where there is sufficient end position damping (adjustable cushion, shock absorber).
When using a silencer in connection R, this must be large enough to avoid dynamic pressure (we recommend using our silencer as of page 436).

Type	Connect. A	Connect. P	Connect. R	Breathing P → A	Venting A → R	Replacement diaphragms
Precision design						
SE 18	G 1/8"	G 1/8"	G 1/4"	600 l/min.	1,200 l/min.	---
SE 14	G 1/4"	G 1/4"	G 3/8"	1,200 l/min.	2,400 l/min.	---
SE 12	G 1/2"	G 1/2"	G 3/4"	2,800 l/min.	5,600 l/min.	---
Standard design						
SV 25	M5	M5	M5	220 l/min.	300 l/min.	SV 25 MEMBRANE
SV 18	G 1/8"	G 1/8"	G 1/8"	650 l/min.	1,100 l/min.	SV 18 MEMBRANE
SV 14	G 1/4"	G 1/4"	G 1/4"	1,200 l/min.	2,250 l/min.	SV 1438 MEMBRANE
SV 38	G 3/8"	G 3/8"	G 3/8"	1,200 l/min.	2,250 l/min.	SV 1438 MEMBRANE
SV 12	G 1/2"	G 1/2"	G 1/2"	3,200 l/min.	7,400 l/min.	SV 12 MEMBRANE
SV 34	G 3/4"	G 3/4"	G 3/4"	3,800 l/min.	14,000 l/min.	SV 34 MEMBRANE
SV 10	G 1"	G 1"	G 1"	6,280 l/min.	15,900 l/min.	SV 10 MEMBRANE


standard design



☞ **Order example:** SV 12 **

Standard type

Designation for the option:
FKM seal (not for M5) . . . . . **-V**

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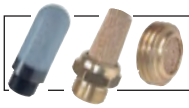
PU, PA, PTFE and PE hoses from page 192

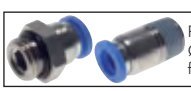

Hose terminal strip and sockets from page 247


Ball valves from page 280


FESTO Festo screwed connections can be found in our Online Shop


Silencers from page 436


FESTO Festo valves can be found in our Online Shop


Push-in fittings Ø 3 - 32 mm from page 24


PU, PA, PTFE and PE hoses from page 192