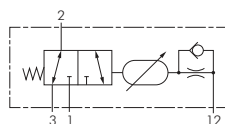


Time valves/logic valves

3/2-way time valves (precision design)

0.25 to 20 seconds



Materials: Body: Aluminium anodised, internal parts: Aluminium, brass and stainless steel, seals: Plastic and NBR

Temperature range: -10°C to max. +70°C

Media: Oiled and unoled filtered compressed air

Pressure input: Connection P (1) (closed basic setting) or connection R (3) (open basic setting)

Function: This valve switches on after a delay. It can be used when closed in the idle position or when open in the idle position. Pressure connection at P (1) shows the function "Closed in idle position", while the pressure connection at R (3) shows the function "Open in idle position". In the idle position, the flow from R (3) to A (2), connection P (1) is blocked. After the set time elapses, a signal received at Z (12) switches the valve to flow from P (1) to A (2), R (3) is blocked. On deleting these signals, a spring immediately resets the piston. A connection of the signal conductor Z (12) to P (1) or R (3) is possible. It must be noted here that the signal conductor to the valve connection P (1) or R (3) is not longer than the signal conductor to Z (12).

Type	Thread	Nominal width	Flow	Operating pressure	Time range	Control conn. Z
VZ 25 310	M 5	3.2 mm	160 l/min.	3 - 10 bar	0.25 - 5 sec.	M 5
VZ 18 310	G 1/8"	6 mm	600 l/min.	3 - 10 bar	0.5 - 10 sec.	G 1/8"
VZ 18 310/20	G 1/8"	6 mm	600 l/min.	3 - 10 bar	1.0 - 20 sec.	G 1/8"



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

5/2-way time valves (standard design)

1 to 10 seconds



Materials: Body: Aluminium anodised, internal parts: Aluminium, brass and stainless steel, seals: NBR

Temperature range: -10°C to max. +60°C

Media: Oiled and unoled filtered compressed air

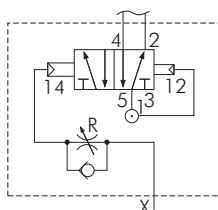
Pressure input: Connection 1

Function: Type VZ 15 812 B (reaction: delayed, backwash filter: immediately): A continuous signal at connection X triggers the switching of the valve according to the time set. If no signal is at connection X, then the valve switches back to the initial position.

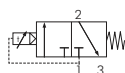
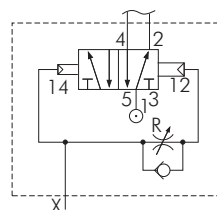
Type VZ 18 513 B (reaction: immediate, backwash filter: delayed): A continuous signal at the connection X triggers an immediate switching of the valve. The valve switches back to the initial position according to the time set. If no signal is at connection X, then the valve also switches back to the initial position.

Type	Thread	Flow	Operating pressure	Time range	Function
VZ 18 512 B	G 1/8"	530 l/min.	3 - 10 bar	1 - 10 sec.	Reaction delayed
VZ 18 513 B	G 1/8"	530 l/min.	3 - 10 bar	1 - 10 sec.	Backwash filter delayed

type VZ 18 512 B



type VZ 18 513 B



3/2-way time valves

20 to 300 seconds

Materials: Plastic

Temperature range: 0°C to max. +60°C

Media: Oil-free compressed air

Function: If pressure is applied to connection 1, the time set starts to run. After the time set has expired, input 1 is switched to outlet 2. The resetting is carried out by interrupting the supply air at input 1.

Time adjustment: Continuously adjusted using the rotary knob

Type	Thread	Operating pressure	Time range
VZ 25 310/300	M 5	2 - 6 bar	20 - 300 sec.

AND valves

Materials: Body: Aluminium anodised, internal parts: Aluminium, brass and stainless steel, seals: Plastic and NBR

Temperature range: -10°C to max. +70°C (standard design: max. +60°C)

Media: Oiled and unoled filtered compressed air

Operating pressure: -0.95 to 10 bar (standard design: 2 to 10 bar)

Function: At outlet A a signal appears only if a signal exists on both inlets at the same time. For different pressures, the lowest pressure will reach outlet A.

The AND member has no separate venting as a passive element. After deleting one or both input signals, ventilation occurs via the upstream signal members.

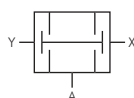
Warning! An AND-element does not replace a two hand control block! (see page 433).

Type	Thread	Nominal width	Flow
Precision design			
AN 25	M 5	3.2 mm	160 l/min.
AN 18	G 1/8"	4.0 mm	280 l/min.
Standard design			
AN 25 B	M 5	2.5 mm	100 l/min.
AN 18 B	G 1/8"	2.5 mm	100 l/min.

Suitable for vacuum



precision design



standard design

All data are considered to be unbinding reference values. We accept no liability for data selection that is not confirmed in writing. Pressure data refer, if not otherwise indicated, to liquids of Group II at +20°C.