



Spider[®]-Valve

Small, wear-free and fast as lightning

For an exact dosing of smallest amounts with extreme fast switching. Besides the very high speed, the long life, and the accurate dosing, Spider-Valves also feature a small size and minimum weight.

Spider-Valve: strong performances in every application





Spider-Valves offer ...

... more safety

Spider-Valves are especially recommended for applications with tight specification regarding availability and reliability. This will be made possible by the very long life time of these valves.

... more comfort

Thanks to their very low moving weights, the Spider-Valves are extremely quiet and emit very low vibration. Because of their small size, and low energy consumption, they are also ideal for transportable and mobile systems.

... more accuracy

The Spider-Valves can be fully customized according to the customer requirements. In this way, Spider-Valves can offer very precise switch time with very high repeatability.

... more efficiency

Compared to standard valves, Spider-Valves have lighter moving parts and smaller displacement. The results are a lower energy consumption and very short switching time.

Technical data

- sealing material: NBR
- electrical connection: wire 80 mm
- max. temperature: 50 °C
- voltage: 24 V –15 % ... +10 %
- duty cycle: up to 100 %
- media: neutral gas and liquid

Features

- 2/2 way valve
- normal closed
- flat plunger actor
- size 7 mm, 15 mm, 21 mm
- long expected lifetime: over 1 billion cycles*

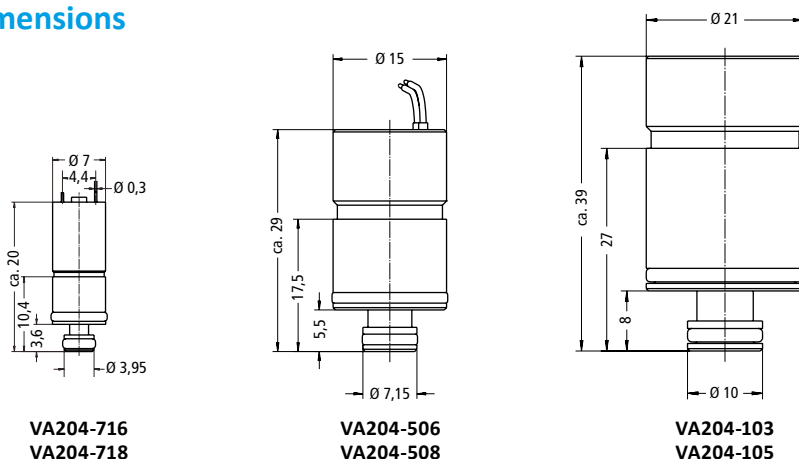
- switching time < 1 ms*
- extremely small dead volume
- low energy consumption
- low vibration
- low noise

*under certain conditions

Standard Spider-Valves

Designation	Orifice [mm]	Max. operating pressure difference [bar]	Flow rate [l/min] @ max. pressure difference	Nominal power [W]	Coil resistance [Ω]	Weight [g]
VA204-716 P 07 SAL 80 24/00	0.5	8.0	14	0.85	700.0	4.0
VA204-718 P 07 SAL 80 24/00	1.0	3.0	13	0.85	700.0	4.0
VA204-506 P 15 SAL 80 24/00	1.0	8.0	55	1.6	361.0	22.0
VA204-508 P 15 SAL 80 24/00	2.0	1.5	44	1.6	361.0	22.0
VA204-103 P 21 SAL 80 24/00	2.0	8.0	140	2.5	235.0	60.0
VA204-105 P 21 SAL 80 24/00	4.0	2.0	101	2.5	235.0	60.0

Dimensions



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