



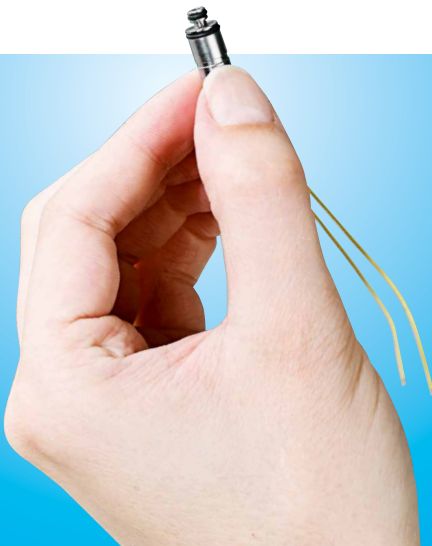
2-way Spider[®]-Valve

Small, wear-free and fast as lightning

For precise dosing of smallest gas and liquid quantities.
In addition to the extremely fast switching processes and the high dosing accuracy, Spider-Valves are also characterised by small installation space and minimal weight. Every valve is 100 % calibrated and offers an extremely high repeat accuracy for a long lifespan.

Spider-Valve: strong performances in every application





Spider-Valves offer ...

... more safety

Due to their very long life time, Spider-Valves are especially recommended for applications with high demands on availability and reliability.

... more comfort

Spider-Valves are extremely quiet due to the small moving mass. 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. For instance, Spider-Valves can be adjusted to very precise switching times with very high repeatability.

... more efficiency

Compared to standard valves, Spider-Valves have less moving mass and no friction during movement. This results in a lower energy consumption and very short switching time.

Technical data

- Sealing Material: FKM*
- Electrical connection: wire 70 – 80 mm*
- Temperature: 5 ... 50 °C*
- Voltage: 24 V (± 5 %)*
- Permitted duty cycle: up to 100 %
- Permitted media: air, inert gases*

Features

- 2-way valve*
- Normally closed (NC)*
- Flat plunger drive
- Size 7 mm, 15 mm, 21 mm
- Switching time < 1 ms (depending upon application)

- Long operating life: depending upon application up to 1 billion cycles
- 100 % calibrated
- Low dead volume
- Low power consumption
- Low noise

*Other versions upon request.

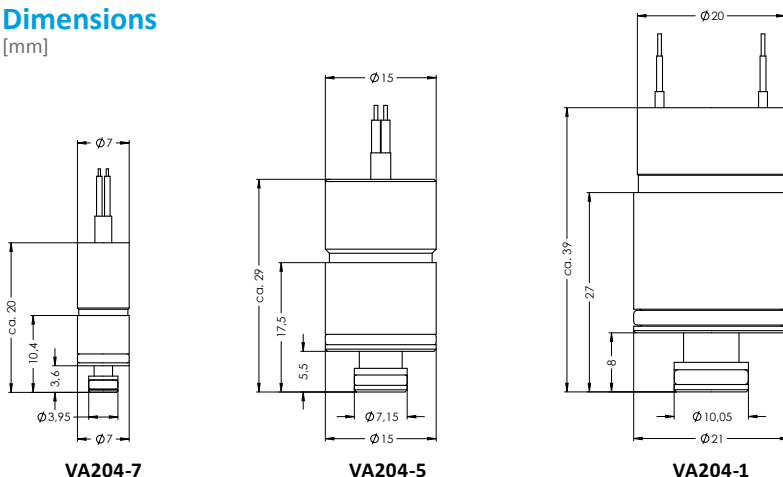
Standard Spider-Valves


Designation	Orifice	Max. nominal pressure	Min. flow rate (air) @ max. Δp	Cv value	Nominal power	Weight
Unit of measurement	[mm]	[bar]	[l/min]	[gallons/min]	[W]	[g]
VA204-715 V 07 SAL 80 24/00	0.3	10.0	7.0	0.003	0.6	4
VA204-716 V 07 SAL 80 24/00	0.5	8.0	14.0	0.008	0.9	4
VA204-717 V 07 SAL 80 24/00	0.8	5.0	12.5	0.011	1.2	4
VA204-718 V 07 SAL 80 24/00	1.0	3.0	13.0	0.017	1.2	4
VA204-505 V 15 SAL 80 24/00	0.5	10.0	18.0	0.009	1.1	22
VA204-506 V 15 SAL 80 24/00	1.0	8.0	55.0	0.032	1.6	22
VA204-507 V 15 SAL 80 24/00	1.5	4.0	54.0	0.057	1.6	22
VA204-508 V 15 SAL 80 24/00	2.0	1.5	44.0	0.093	1.6	22
VA204-102 V 21 SAL 80 24/00	1.0	10.0	68.0	0.033	2.5	60
VA204-103 V 21 SAL 80 24/00	2.0	8.0	141.0	0.083	2.5	60
VA204-104 V 21 SAL 80 24/00	3.0	4.0	130.0	0.138	2.5	60
VA204-105 V 21 SAL 80 24/00	4.0	2.0	102.0	0.180	2.5	60

All values were determined under laboratory conditions and have to be verified by the customer for its specific purpose.

Dimensions

[mm]





**PERSONALIZED
SERVICE &
INDIVIDUAL
SOLUTIONS**

Phone +49 (0) 7143 2707-0

We will gladly inform you about individual customization options according to your requirements and standards. We look forward to receiving your request.

E-Mail: sales@staiger.de