

The Advance SAV+ Series of Compact Fluid Valves

It's a new family of air-actuated
fluid valves that features compact
design, advanced performance and
smarter cost efficiency!



ADVANCE

*The World's Most Advanced
Fluid Control*

The Advance SAV+ Series of Compact Fluid Valves

ADVANCED VALVE TECHNOLOGY

Advance Electric has been designing and manufacturing fluid valves for the world's most demanding technology applications for more than 30 years. That experience has led to over 40 technology patents and even more proprietary performance advantages in their products, many of which are incorporated in this latest achievement—the Advance SAV+ Series...

These air-operated valves are designed for use with DI water and a wide range of liquid chemicals, in semiconductor cleaning, CMP, copper plating and chemical distribution systems.

HIGHER PERFORMANCE

The new SAV+ valve cases utilize high-grade PVDF fluoropolymer not only to maximize resistance to solvents, acids and bases but also to increase strength. Compared with polypropylene which was previously used, PVDF gives the valves significantly greater mechanical strength and higher pressure performance, enabling them to withstand more than 72 psig back pressure, almost double the performance of previous valves.

LONGER LIFE

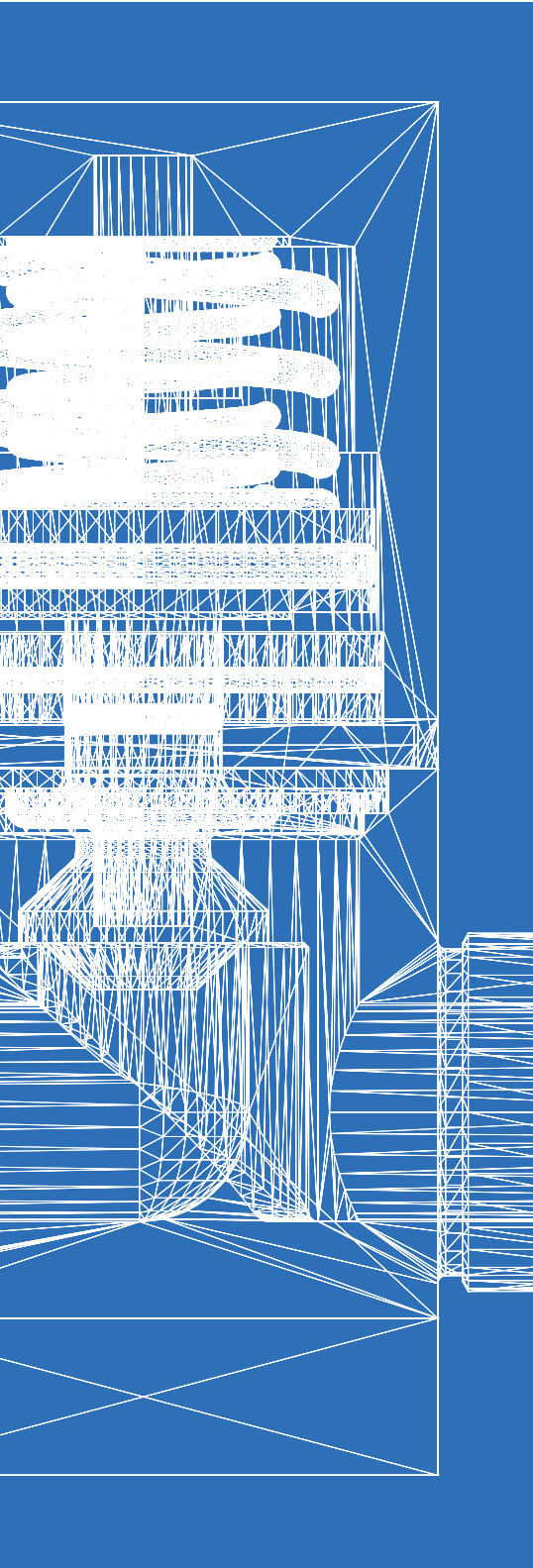
Greater strength also gives SAV+ valves longer life, allowing them to stay in service for many more cycles. And whereas many valves are only rated for one direction of flow, SAV+ valves are highly rated for bidirectional flow.

REDUCED FOOTPRINT, VOLUME AND WEIGHT

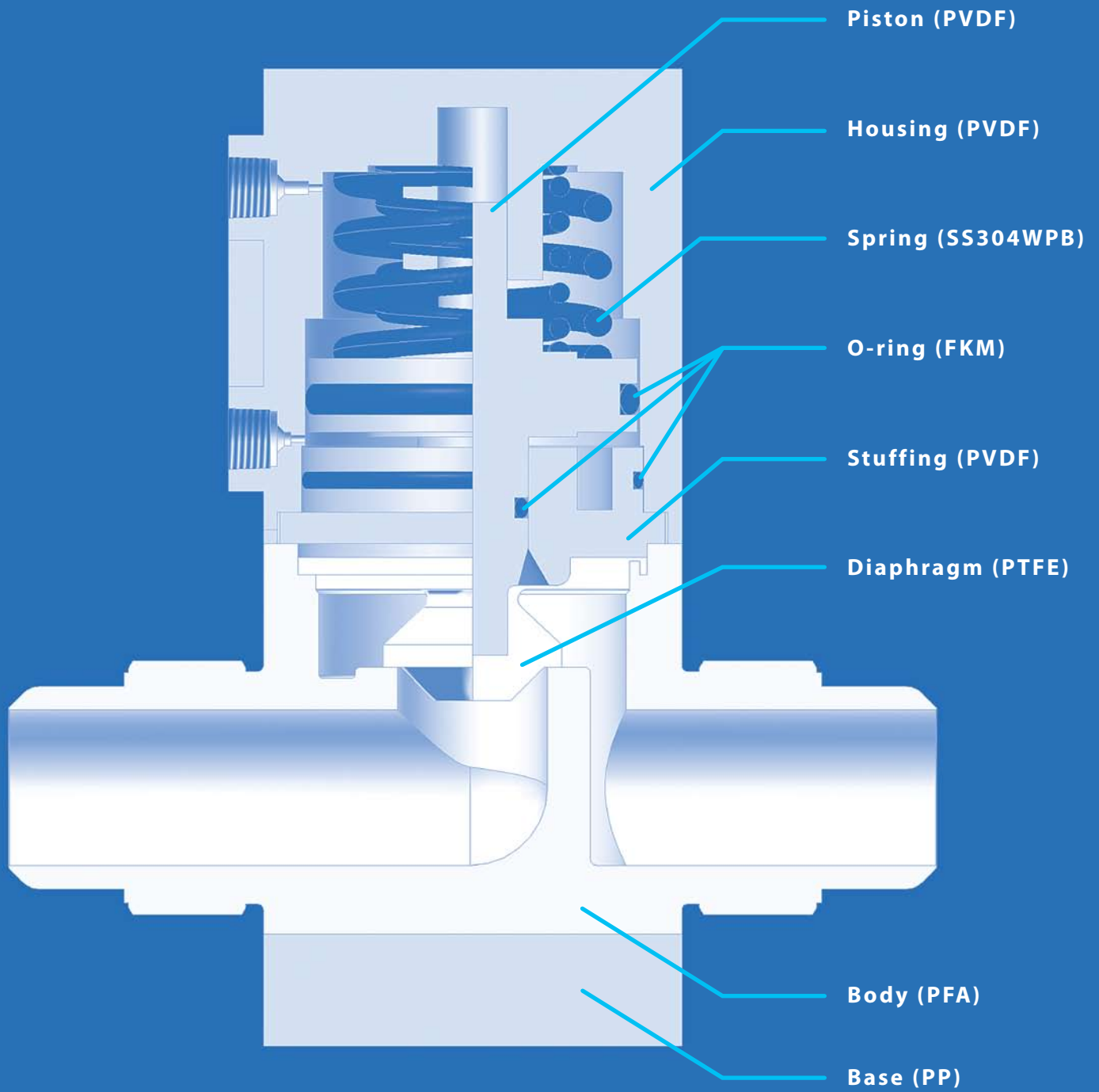
Compared with the previous AV series, the SAV+ valves have a 50% smaller footprint. They also feature a 57% reduction in volume—and a 60% reduction in weight. The net result: SAV+ fluid valves can do a superior job while occupying far less real estate in your process equipment. They can help improve your performance while streamlining your systems.

SMARTER COST EFFICIENCY

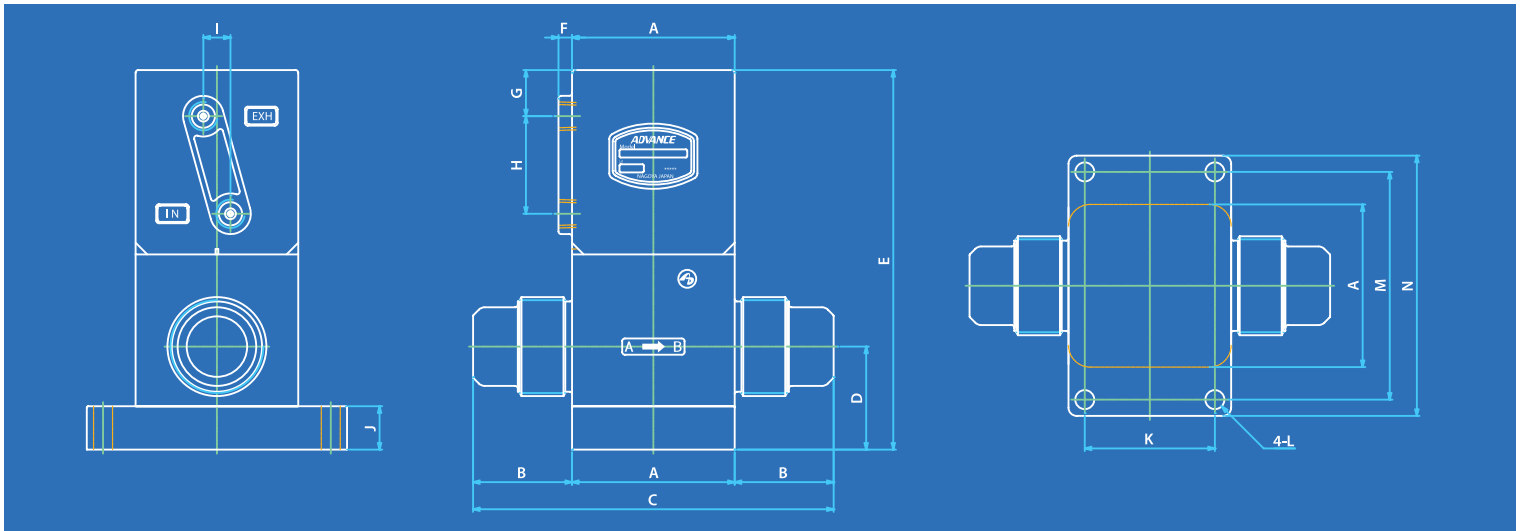
Advance is constantly seeking to improve the performance/cost ratio in each of its products, and the SAV+ series of valves is a prime example. Whereas the previous generation of valves used PTFE fluoropolymer bodies which required expensive machining on each part, SAV+ valves use PFA which allows high-precision injection molding of the bodies at reduced cost. This is one more way Advance continues to deliver the world's most advanced fluid control along with maximum cost efficiency.



Valve Design and Construction



Standard Specifications



Dimensions (mm)

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N
NC369S-2AFV-N	35	24.4	83.8	17	77	7	10	20	10	10	22	6.5	50	62
NC369S-3FV-N	35	26.4	87.8	19	82	7	10	20	10	10	22	6.5	50	62
NC369S-4FV-N	35	29	93	20	83	7	10	20	10	10	22	6.5	50	62
NC469S-6FV-N	45	32.5	110	28	113	5	17	22.5	10	12	32	7	64	76
NC669S-8FV-N	60	36.5	133	38	140	5	17	36	10	16	48	7	84	96
NO369S-2AFV-N	35	24.4	83.8	17	77	7	10	20	10	10	22	6.5	50	62
NO369S-3FV-N	35	26.4	87.8	19	82	7	10	20	10	10	22	6.5	50	62
NO369S-4FV-N	35	29	93	20	83	7	10	20	10	10	22	6.5	50	62
NO469S-6FV-N	45	32.5	110	28	113	5	17	22.5	10	12	32	7	64	76
NO669S-8FV-N	60	36.5	133	38	140	5	17	36	10	16	48	7	84	96

Specifications

Model	Connection Size	Orifice Size	Cv	Operational Mode	Connection Type	Pneumatic Port	Media Pressure (Inlet/Outlet)	Pneumatic Pressure	Media Temp	Ambient Temp	Wetted Material	Non-wetted Material
NC369S-2AFV-N	1/4"	4 mm	0.3	Normally Closed (spring-return)	Fine-thread Flare	1/8 NPT	Max: 72.5 PSIG (0.5 MPa)	55.1 to 72.5 PSIG (0.38 to 0.5 MPa)	10 to 100 °C	10 to 60 °C	Body: PFA Diaphragm: PTFE	Case: PVDF Base: PP O-ring: FKM
NC369S-3FV-N	3/8"	6.4 mm	0.8									
NC369S-4FV-N	1/2"	10 mm	2.0									
NC469S-6FV-N	3/4"	16 mm	5.0									
NC669S-8FV-N	1"	22 mm	10.6									
NO369S-2AFV-N	1/4"	4 mm	0.3	Normally Open (spring-return)	Fine-thread Flare	1/8 NPT	Max: 72.5 PSIG (0.5 MPa)	55.1 to 72.5 PSIG (0.38 to 0.5 MPa)	10 to 100 °C	10 to 60 °C	Body: PFA Diaphragm: PTFE	Case: PVDF Base: PP O-ring: FKM
NO369S-3FV-N	3/8"	6.4 mm	0.8									
NO369S-4FV-N	1/2"	10 mm	2.0									
NO469S-6FV-N	3/4"	16 mm	5.0									
NO669S-8FV-N	1"	22 mm	10.6									

Consult Advance for manifold valve configurations. Please note that all specifications and information contained herein may be subject to change; consult Advance to confirm latest data.

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