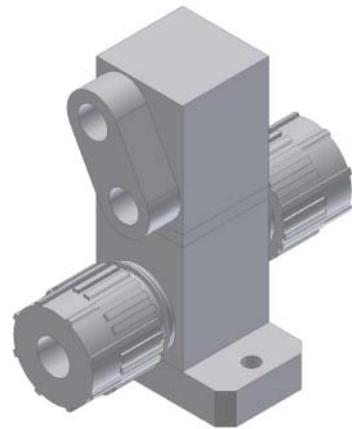


*SAV series*  
*Injected molded type*  
*pneumatic/manual valves*

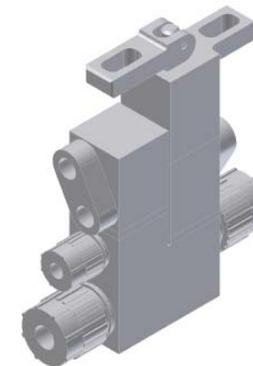
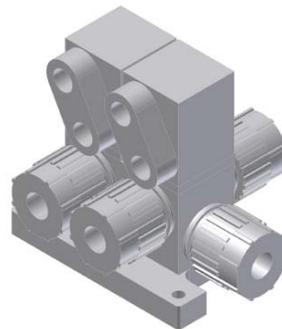
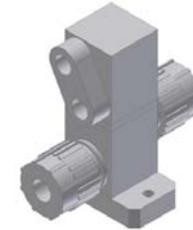


**ADVANCE**

ADVANCE ELECTRIC CO.,INC

# Features/Benefits

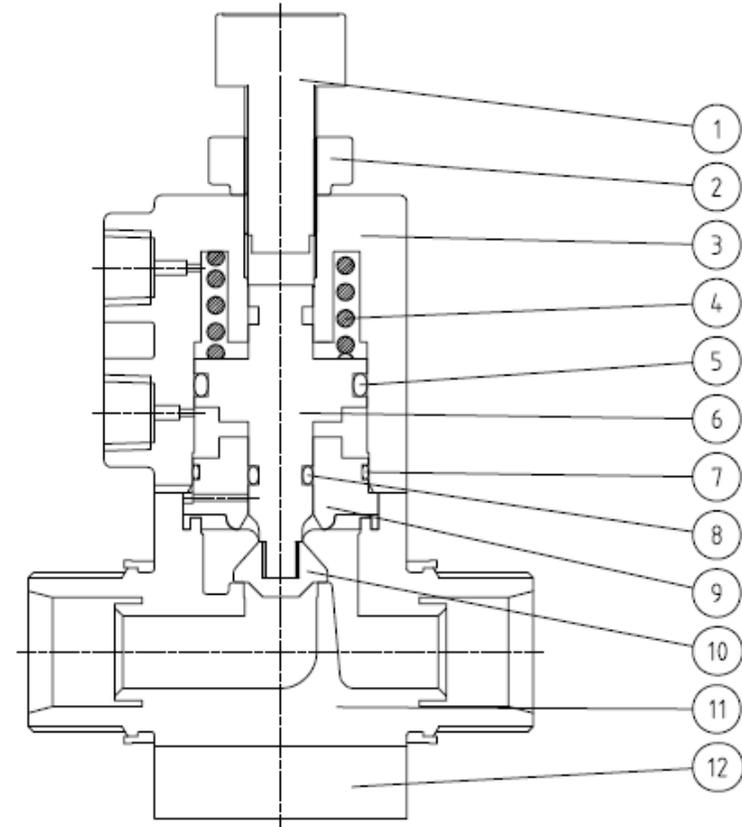
- Injection molded parts – An injected molded PFA body with Pillar S-300 fittings, accompanied by an injected molded PVDF actuator makes for a robust cost-competitive design.
- Footprint – A common actuator (per each respective valve size) is utilized for both stand-alone/manifold type valves to maintain footprint uniformity, and thus allowing for great space-saving.
- Multi-functional – An array of options (hybrid, flow restricting, adjustable trickle bypass) can be added to stand-alone and/or manifold type configurations to consolidate functions, limit potential leak points, and of course, converse on space. See page 5 for list of optional functions.



# Construction

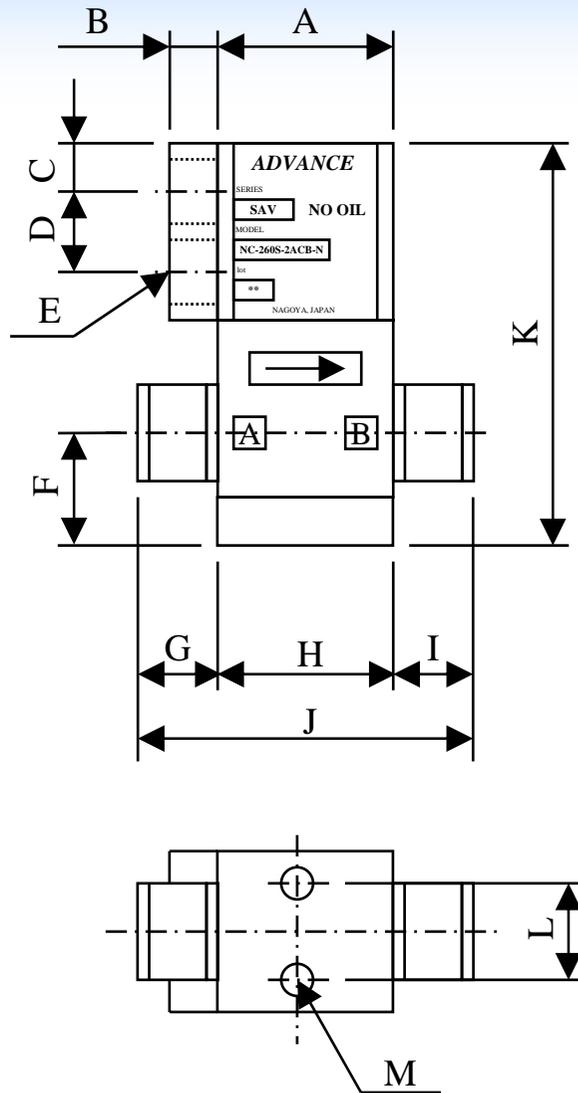
- PFA injected molded body w/ Pillar S-300 fittings
- PVDF injected molded actuator
- Wetted Materials: PTFE / PFA

Item	Part Description	Material	Remarks
1	Flow restrictor	PVDF	
2	Lock nut	PVDF	
3	Case	PVDF	PP for 1" type valve
4	Spring	SS304	PTFE coated
5	O-ring	FKM	
6	Piston	PVDF	
7	O-ring	FKM	
8	O-ring	FKM	
9	Stuffing	PVDF	
10	Diaphragm	PTFE	
11	Body	PFA	
12	Mounting base	PP	



Cross section reflects NC valve w/ flow restrictor option.

# Dimensions



**PFA S-300 body/ PVDF actuator**

Dim.	1/4"	3/8"	1/2"	3/4"	1"
A	□25	□25	□35	□45	□60
B	7.5	7.5	7	5	5
C	8	8	10	17	24
D	16	16	20	25.5	29
E	*	*	*	*	2 – Rc1/8
F	16.5	17	23	30	40
G	11	15	17.5	22.5	27
H	□25	□25	□35	□45	□60
I	11	15	17.5	22.5	27
J	47	55	70	90	114
K	66.5	70	86	115.5	143
L	14	14	20	20	20
M	2 – M6 Depth 9	2 – M6 Depth 9	2 – M6 Depth 10	2 – M6 Depth 10	2 – M6 Depth 16

\* 2 – 1/8NPT or Rc1/8      Dimensions in millimeters.

Polypropylene actuator for 1" type.

Flange base also available. Inquire with Advance.

# Specifications

Item	Fitting Size				
	1/4"	3/8"	1/2"	3/4"	1"
<b>Actuator/Body size</b>	25 mm sq.	25 mm sq.	35 mm sq.	45 mm sq.	60 mm sq.
<b>Orifice</b>	4 mm	6 mm	10 mm	16 mm	22 mm
<b>Cv</b>	0.34	0.73	2.0	5.1	9.6
<b>Media Pressure IN &amp; OUT</b>	72.5 psig				
<b>Pilot Pressure</b>	55.1 ~ 72.5 psig				
<b>Pilot Port</b>	1/8NPT or Rc1/8	1/8NPT or Rc1/8	1/8NPT or Rc1/8	1/8NPT or Rc1/8	Rc1/8
<b>Media Temp</b>	10 ~ 100 °C				
<b>Ambient Temp</b>	10 ~ 60 °C				
<b>Optional functions</b>	Toggle w/ LOTO				
	Hybrid NC/Toggle/LOTO	Hybrid NC/Toggle/LOTO	Hybrid NC/Toggle/LOTO	Hybrid NC/Toggle/LOTO	Currently not available
	Position Indication				
	Position Indication Sensing				
	Flow Restriction				
	Adjustable Trickle Bypass				
	Leak Detection Port				

Consult Advance regarding optional functions.

# Model Selection

Actuator		Act./Body Size		Body Material		Base		Port Position		Port Size		Port Type		Option	
NC	Normally closed	2	25mm sq.	6	PFA	0	Square	S	Straight thru	2A	1/4"	CB	Pillar S-300	N	1/8NPT pilot port
NO	Normally open	3	35mm sq.			9	Flange			3	3/8"			Z	Flow restrictor
T	Toggle (manual)	4	45 mm sq.							4	1/2"				
		6	60 mm sq.							6	3/4"				
										8	1"				

Model Example:

NC360S-4CB-N

1/2" normally closed valve w/Pillar S-300 fittings, 1/8NPT pilot port, and square mounting base.

Remarks:

Above model selection table for stand-alone type valves.

Consult Advance for optional functions, manifold valve configurations, and other fitting types.

Optional flow restrictor for rough flow adjustment. Refer to NP series needle valve brochure for fine tune flow control.

Inquire with Advance for SAV series drawings/spec sheets.

# ***Ordering / Technical Support***

## **Daitron Incorporated - for orders and quotations**

27750 SW 95th Avenue, Suite 100

PO Box 3500

Wilsonville, Oregon 97070

Phone: 503-682-7560

Toll-free: 1-888-DAITRON

FAX: 503-682-2861

Contact: Nick Nelson (email: [nnelson@daitron.com](mailto:nnelson@daitron.com))

## **Advance Electric America – for technical support**

3350 Scott Blvd #46-01

Santa Clara, CA 94089

Phone: 408-988-8082

FAX: 408-988-8094

Contact: Dan Boyer (email: [boyer@advance-e.co.jp](mailto:boyer@advance-e.co.jp))