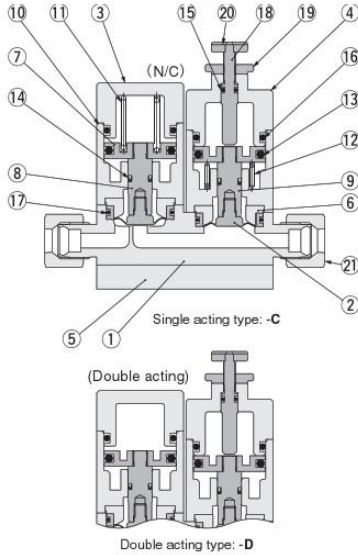


Air Operated Valves with Suck Back High Viscosity Specification

F-SAV250-10W F-SAV250-18W

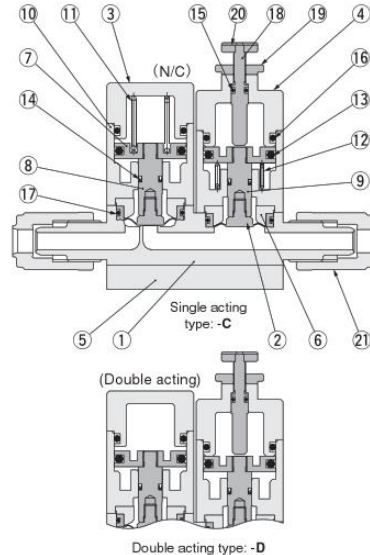
Inner Construction and Materials

●F-SAV250-10W



No.	Parts	Materials
①	Body	PTFE
②	Diaphragm	PTFE
③	Cover	C-PVC
④	Cover	SUS304
⑤	Plate	C-PVC
⑥	Guide washer	SUS304
⑦	Piston	SUS304
⑧	Piston rod	SUS304
⑨	Piston rod	SUS304
⑩	Cylinder tube	C-PVC
⑪	Spring	SUS304-WPB

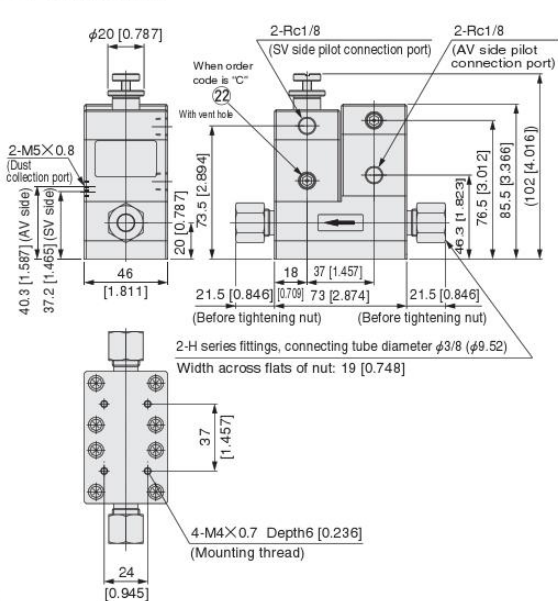
●F-SAV250-18W



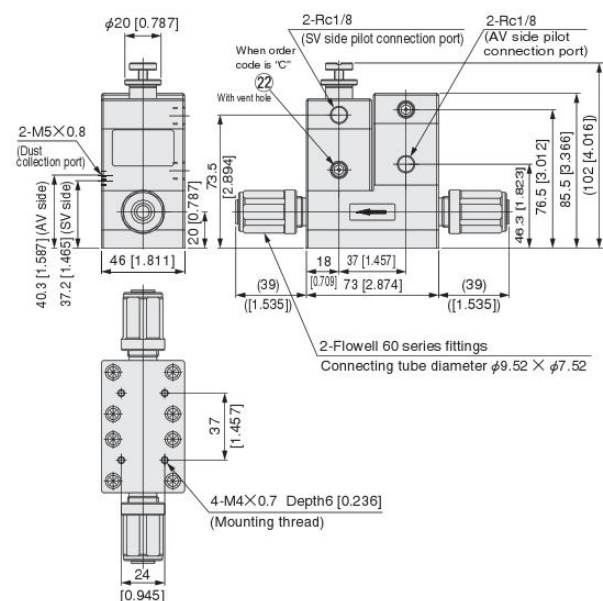
No.	Parts	Materials
⑫	Spring	SUS304-WPB
⑬	Seal	FKM
⑭	Seal	FKM
⑮	O-ring	FKM
⑯	O-ring	FKM
⑰	O-ring	FKM
⑱	Adjusting screw	SUS304
⑲	Lock nut	SUS304
⑳	Nut	SUS304
㉑	Nut	PFA
㉒	Plug	VECTRA

Dimensions mm [in.]

●F-SAV250-10W



●F-SAV250-18W



Symbols

AV side normally closed (NC), SV side single acting type AV and SV sides double acting type



Specifications

Item	Model	F-SAV250-10W F-SAV250-18W
Media		Pure water, chemicals
Operating temp. range	Media	5~60 [41~140]
	Atmosphere	0~50 [32~122]
Operating pressure range	MPa (kgf/cm ²) [psi.]	0~0.2 [0~2.0] [0~29]
Pilot pressure	MPa (kgf/cm ²) [psi.]	0.3~0.5 [3.1~5.1] [44~73]
Back pressure	MPa (kgf/cm ²) [psi.]	0~0.3 [0~3.1] [0~44]
Proof pressure	MPa (kgf/cm ²) [psi.]	1 [10.2] [145]
Orifice (Cv)	mm	6 (0.6)
Pilot connection port size		Rc1/8
Leakage at valve seat	cm ³ /min [in. ³ /min.]	0 [0] (When the media is water)
Maximum suck back volume	cm ³ [in. ³]	0.5 [0.031]
Recommended mounting direction		Vertical mounting with port facing upward ^{Note}

Note: Mount the valve with the arrow mark on the label on the valve body side pointing upward.

Order Codes

●With H series fitting

F-SAV250 - [] - 10W

Valve function

Basic model

Valve function

C: Single acting type (AV side normally closed (NC), SV side single acting type)

D: Double acting type

●With Flowell 60 series fitting

F-SAV250 - [] - 18W

Valve function

Basic model

Valve function

C: Single acting type (AV side normally closed (NC), SV side single acting type)

D: Double acting type