

Large Flow Series

● For details of order codes and specifications, consult us.

Air Operated Valve

F-AVB400~1000

Bellows type 2-port valve

Model	Operating temperature range °C [°F]		Operating pressure range MPa [kgf/cm²] [psi.]		Orifice mm [Cv]	Port size	
	Media	Atmosphere	A→B	B→A		Main	Operating port
F-AVB400	5~60 [41~140]	0~50 [32~122]	0~0.44 {0~4.5} [0~63.8]	0~0.03 {0~0.3} [0~4.4]	10 [1.8]	Rc3/8	Rc1/8
F-AVB500					12 [2.5]	Rc1/2	
F-AVB600					16 [6.5]	Rc3/4	
F-AVB750				20 [7.0]			
F-AVB1000					0~0.02 {0~0.2} [0~2.9]	25 [11.0]	

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Air Operated Valve

F-AVP500, 750

Diaphragm type 2-port valve

Model	Operating temperature range °C [°F]		Operating pressure range MPa {kgf/cm ² } [psi.]		Orifice mm [Cv]	Port size	
	Media	Atmosphere	A→B	B→A		Main	Operating port
F-AVP500	5~60 [41~140]	0~50 [32~122]	0~0.5 {0~5.1}	0~0.3 {0~3.1}	12 ^{Note 2} [2.5]	Outer dia. 1/2" tube	Rc1/8
F-AVP750	(5~100 [41~212] ^{Note 1})		0~0.5 {0~5.1}	0~0.3 {0~3.1}	20 ^{Note 2} [7.0]	Outer dia. 3/4" tube	

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Notes: 1. For medium temperature specifications

2. Valve seat orifice



Check Valve

F-C375, 500

Model	Operating temperature range °C [°F]		Operating pressure range MPa {kgf/cm ² } [psi.]	Effective area mm ² [Cv]	Port size
	Media	Atmosphere			
F-C375	5~60 [41~140]	0~50 [32~122]	0.07~0.9 {0.7~9.2}	74 [3.7]	Rc3/8
F-C500			[10.2~131]		Rc1/2

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Drain Valve Series

● For details of order codes and specifications, consult us.

Drain Valve Union Type (2-port, 3-port)

F-AVE1000~4000

Model	Operating temperature range °C [°F]		Operating pressure range MPa (kgf/cm ²) [psi.]	Orifice mm	Port size	
	Media	Atmosphere			Main	Operating port
F-AVE1000	5~40 [41~104]	5~40 [41~104]	0~0.02 {0~0.2} [0~2.9]	25	25A	Rc1/8
F-AVE1500				30	32A	
F-AVE2000				40	40A	
F-AVE2500				50	50A	
F-AVE3000				65	65A	
F-AVE4000				78	75A	
F-AVE4000				100	100A	

Body material: PVC, PP

O-ring material: FKM, EPDM, perfluorinated rubber. Other types of O-ring materials are also available upon request.

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Drain Valve Flange Type (2-port)

F-AVE4000, 5000, 6000

Model	Operating temperature range °C [°F]		Operating pressure range MPa (kgf/cm ²) [psi.]	Orifice mm	Port size	
	Media	Atmosphere			Main	Operating port
F-AVE4000	5~40 [41~104]	5~40 [41~104]	0~0.02 {0~0.2} [0~2.9]	100	100A	Rc1/8
F-AVE5000				125	125A	
F-AVE6000				150	150A	

Body material: PVC, PP

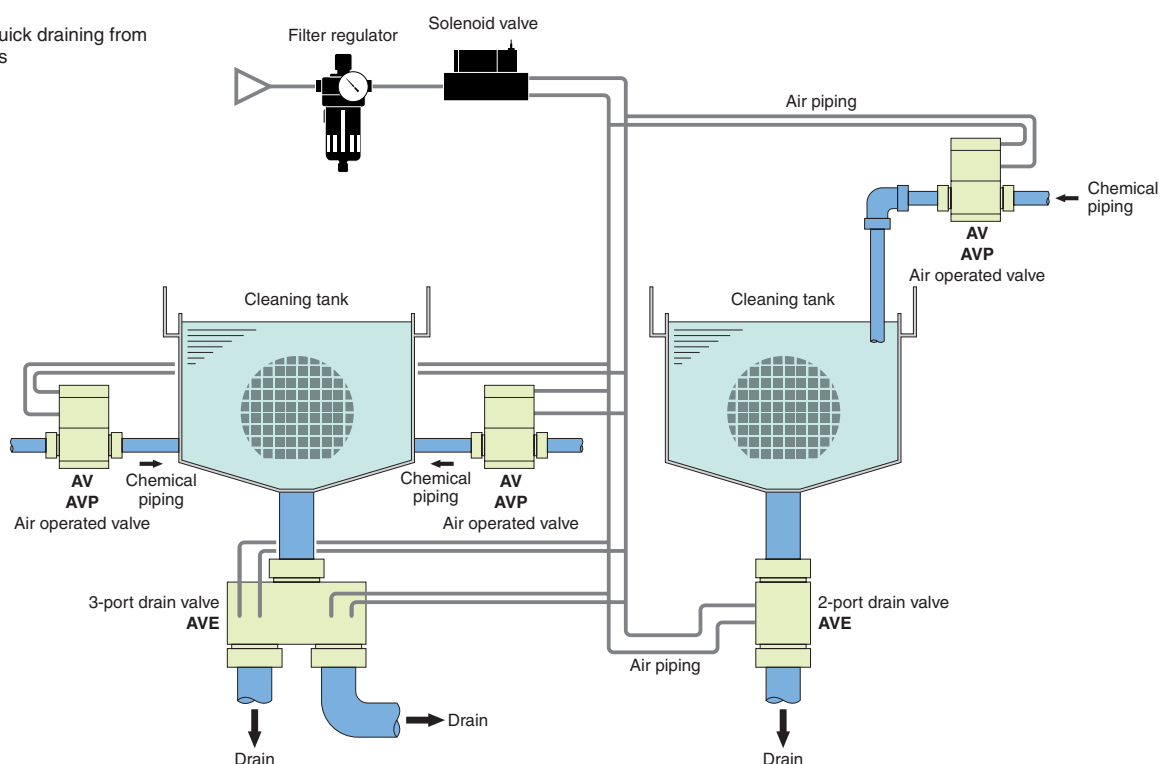
O-ring material: FKM, EPDM, perfluorinated rubber. Other types of O-ring materials are also available upon request.

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Drain valve (2-port, 3-port) application example

Suitable for quick draining from cleaning tanks



Other Related Products

■ PTFE Ejector

Suitable for suction of corrosive gases



PTFE Needle Valve

Suitable for adjustment of flow rate
from shut down to micro flow



■ PTFE, PFA Lever Valves

Manual lever ensures easy opening and closing.



Speed Controller for Pilot Air Control

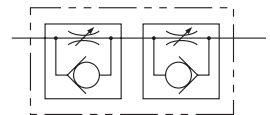
TSC-60W



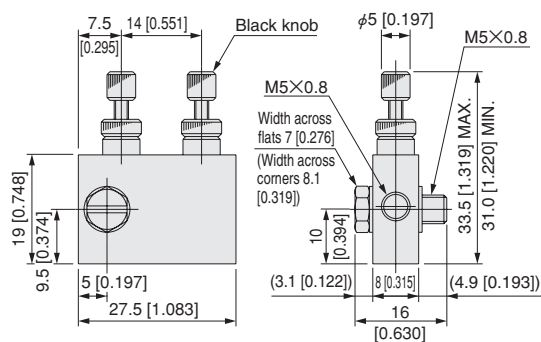
■ Specifications

Item	Model	TSC-60W
Media		Air
Operating pressure range	MPa {kgf/cm ² } [psi.]	0~0.9 {0~9.2} [0~131]
Operating temperature range	°C [°F]	5~60 [41~140]
Cracking pressure	MPa {kgf/cm ² } [psi.]	0.05 {0.51} [7.3]
Description		Both directions adjustment speed controller
		Low flow rate type
		Special piping direction
		Black knob on one side

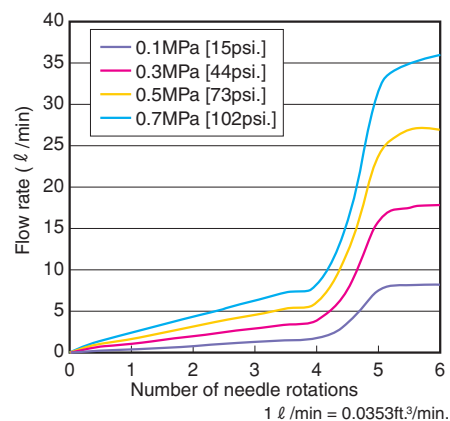
Symbol



■ Dimensions mm [in.]



■ Flow rate characteristics


$$1 \ell / \text{min} = 0.0353 \text{ft}^3 / \text{min}.$$