

Fluororesin Products Pure Process Series Air Operated Valve Diaphragm type 2-port valve **F-AVPN070**

**More compact and much lighter
New model F-AVPN070 series!**



Features

- Compact and lightweight body is suitable for control of small chemical flows
- Orifice 2mm, Valve width 14mm
- Uses Flowell 80 series fittings
- Operating frequency 5Hz is available
- No self-loosening of screws with structural change from metal screws fixing to pin fixing

Air Operated Valve
Diaphragm type
2-port valve

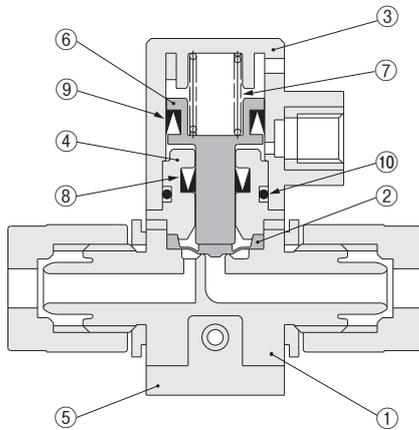
F-AVPN070

Symbol

Normally closed (NC)

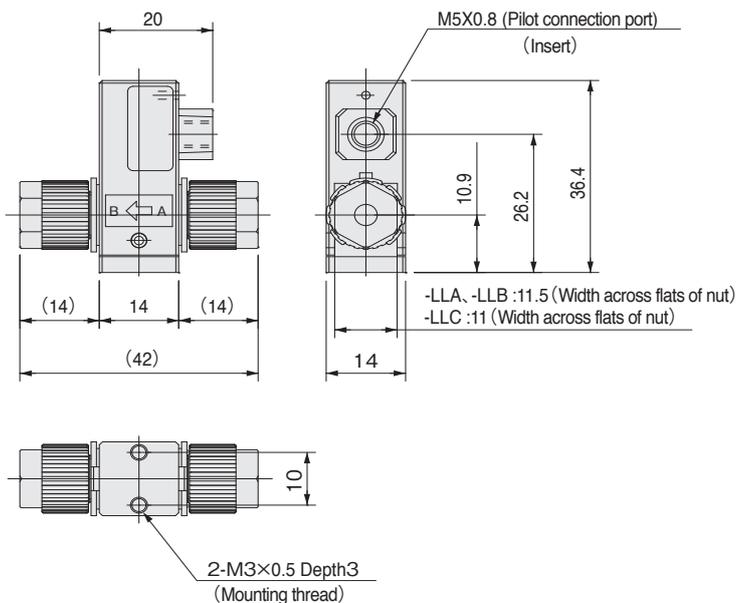


Inner Construction and Materials



No.	Parts	Materials
①	Body	PFA
②	Diaphragm	PTFE
③	Cover	PPS
④	Cover	PPS
⑤	Plate	SUS304
⑥	Piston	PPS
⑦	Spring	SUS304-WPB
⑧	Seal	FKM
⑨	Seal	FKM
⑩	O-ring	FKM

Dimensions (mm)

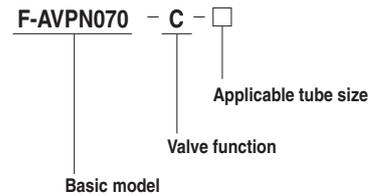


Specifications

Model		F-AVPN070
Media		Pure water, chemicals, air, N ₂
Operating temp. range °C	Media	5~80
	Atmosphere	0~60
Operating pressure range MPa	A → B	0~0.5
	B → A	0~0.3
Pilot pressure	MPa	0.3~0.5
Back pressure	MPa	0~0.3
Proof pressure	MPa	1
Orifice [Cv]	mm	-LLA, -LLB : 2 [0.06] -LLC : 2 [0.11]
Pilot connection port size		M5 × 0.8
Leakage at valve seat	cm ³ /min	0 (When the media is water)
Operating frequency ^{Note}	c.p.m	300(5Hz) or less
Mounting direction		Any
Mass	g	22

Note: For using higher viscosity media than pure water, please consult us.

Order Codes



Valve function

C : Normally closed (NC) is only available

Applicable tube size

Flowell 80 series fittings (Note)

LLA : Connecting tube diameter φ3 × φ2

LLB : Connecting tube diameter φ3.17 × φ2.17

LLC : Connecting tube diameter φ4 × φ3

(Note)

These fittings are Flowell 80 series fittings. Regarding Flowell 80 series fittings, please refer to the latest Flowell's catalog and user's manual to properly perform the installation.

※ Before using products, please read all Safety Precautions and Cautions on Catalog and Website.



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