



Air-operated valve for chemical liquids

AMD0¹/₂2 Series

Special PPS enables standard types to be used with hydrofluoric acids.

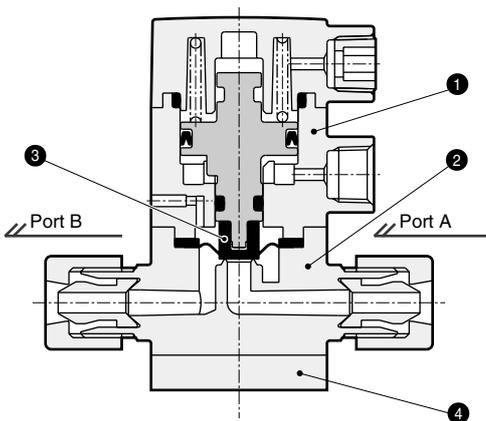
● Orifice: Ø3 to Ø4

Specifications

Descriptions		AMD0 ¹ / ₂ 2-*4	
Working fluid		Pure water, chemical liquids, air, N ₂ gas	
Fluid temperature °C		5 to 100 (Note 1)	
Withstanding pressure MPa		1	
Working pressure range (A → B) MPa		0 to 0.5	
Working pressure range (B → A) MPa		0 to 0.3	
Valve seat leakage cm ³ /min		0 (at, water pressure)	
Back pressure MPa		0 to 0.3	
Ambient temperature °C		0 to 60	
Frequency		30 times/min or less	
Installation attitude		Free	
Connection		Rc1/8, ODØ6 tube connection (fitting integrated type), OD 1/4" tube connection (fitting integrated type)	
Orifice		Ø3.5	Ø4
Cv value		0.28	0.32
Operation section	Operation pressure range MPa	NC/NO 0.35 to 0.5, double acting 0.3 to 0.4 (0.2 to 0.3 for fluid symbol "P")	
	Operation pressure connection port	Rc1/8	

Note 1: 5 to 40 °C for hydrofluoric acids.

Internal structure and parts list



No.	Parts name	Material
1	Actuator	PPS
2	Body	PFA
3	Diaphragm	PTFE
4	Mounting plate	PPS

The material differs with the model.
Contact CKD for details.

