



Air operated valve for chemical liquids/drip prevention valve integrated

AMDSZ0 / AMDS00 Series

Achieves reduced steps in piping and compactness

- Maximum drip prevention amount: 0.04 cm³/0.12 cm³
- Connection tube size: ø3, ø6, ø6.35, 1/8", 1/4"

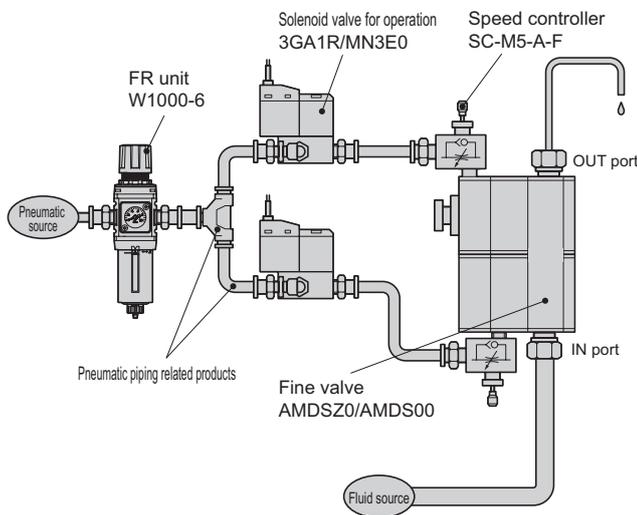


Specifications

Item	AMDSZ0-*	AMDS00-*
Working fluid	Chemical liquid, pure water (*1)	
Fluid temperature °C	5 to 80	
Proof pressure MPa	1.0	
Working pressure MPa	0 to 0.2	
Ambient temperature °C	0 to 60	
Mounting orientation	Horizontally mounted with port positioned vertically (OUT port up)	
Connection	O.D. ø3 tube connection O.D. 1/8" tube connection	O.D. ø6 tube connection O.D. 1/4" tube connection
Operating section	Operating pressure MPa	0.3 to 0.5
	Operating port	M5
Maximum drip prevention amount cm ³	0.04	0.12
Orifice size	ø2	ø4
Cv	0.08	0.32
Weight kg	0.12	0.22

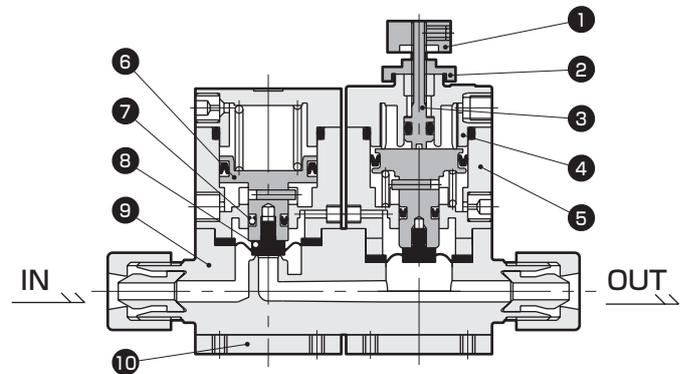
*1: Cannot be used with acidic fluids. Contact CKD regarding acidic fluids and aqueous ammonia.
Check the compatibility of product structural materials, working fluids and atmosphere.

Examples of use and related products



For related products, refer to the CKD website (<https://www.ckd.co.jp/kiki/en/>).

Internal structure and parts list



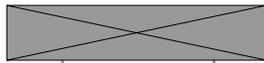
Part No.	Part name	Material
1	Knob	SUS303
2	Lock nut	SUS303
3	Adjusting rod	SUS303
4	Cover	PPS
5	Cylinder	PPS
6	Piston rod	SUS303
7	Y packing	NBR
8	Diaphragm	PTFE
9	Body	PFA, PTFE
10	Mounting plate	SUS304

The material and structure may vary depending on the model number. Contact CKD for details.

⚠ Always read the precautions on Intro Pages 7 to 14 before use.

How to order

●AMDSZ Series



Model No.

① Connection

① Connection		3US	6BUS	3UP	6BUP	3UF	3UR	6BUR
Super Type Pillar fitting Integrated		Super 300 Pillar fitting P series integrated		F-LOCK 20 Series Integrated fitting		F-LOCK 60 Series Integrated fitting		
ø3 x ø2 tube connection	1.8" x 0.086" tube connection	ø3 x ø2 tube connection	1.8" x 0.086" tube connection	ø3 x ø2 tube connection	ø3 x ø2 tube connection	ø3 x ø2 tube connection	ø3 x ø2 tube connection	1/8" x 1/16" tube connection
Body material		PFA		PFA		PTFE		PTFE
PFA molded body or PTFE machined body		PFA		PFA		PTFE		PTFE

* Machined PTFE products will be manufactured on a per-order basis.

●AMDS0 Series



Model No.

① Connection

① Connection		6US	8BUS	6UP	8BUP	6UF	8BUF	6UR	8BUR	6UK	8BUK	8BUW
Super Type Pillar fitting Integrated		Super 300 Pillar fitting P series integrated		F-LOCK 20 Series Integrated fitting		F-LOCK 60 Series Integrated fitting		Final Lock Fitting Integrated		Flaretek Fitting Integrated		
ø6 x ø4 tube connection	1/4" x 5/32" tube connection	ø6 x ø4 tube connection	1/4" x 5/32" tube connection	ø6 x ø4 tube connection	1/4" x 5/32" tube connection	ø6 x ø4 tube connection	ø 6.35 x ø 4.3 tube connection	ø6 x ø4 tube connection	1/4" x 5/32" tube connection	ø6 x ø4 tube connection	1/4" x 5/32" tube connection	1/4" x 5/32" tube connection
Body material		PFA		PTFE		PTFE		PTFE		PTFE		PTFE
PFA molded body or PTFE machined body		PFA		PTFE		PTFE		PTFE		PTFE		PTFE

* Machined PTFE products will be manufactured on a per-order basis.

⚠ Precautions for model No. selection

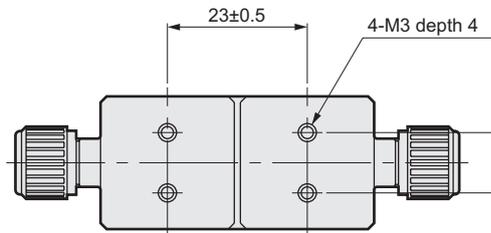
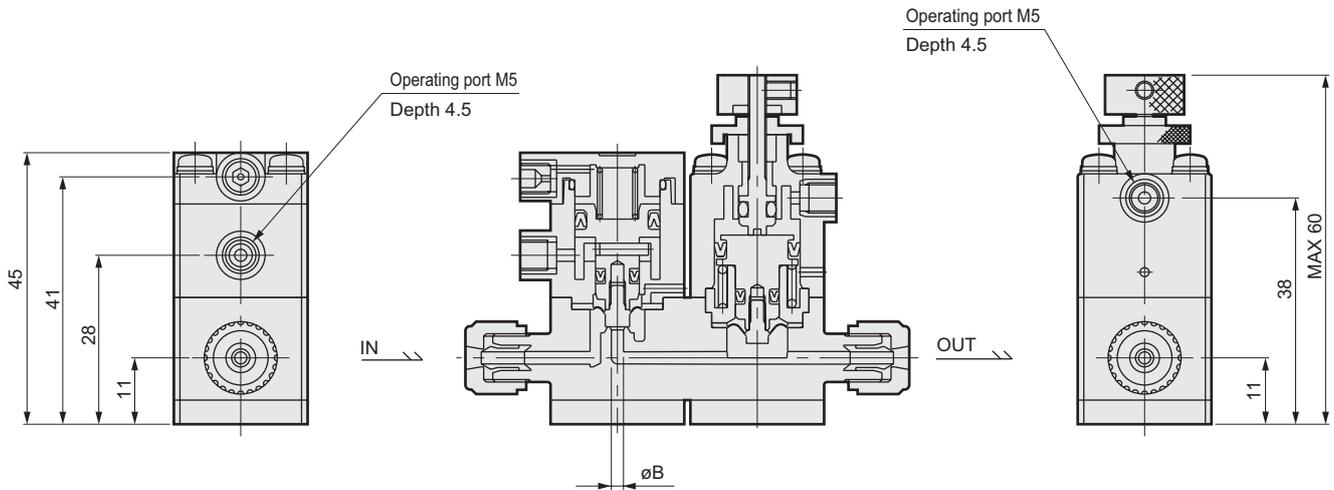
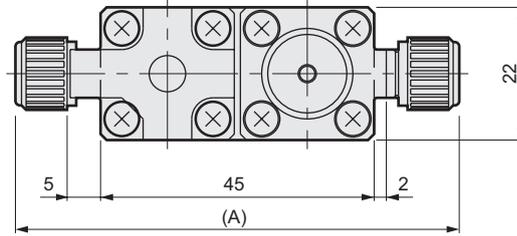
- *1: Contact CKD if selecting all-resin for an actuator that can be used for acidic fluids.
- *2: The low-sliding (diaphragm) actuator is also supported to reduce foaming and improve liquid drainage performance. Contact CKD for details.

Air operated valve	Part3R	High pressure	Metal-free	Large bore size	Polyvinyl chloride	Drainage	Part2	Manual valve	High pressure	Metal-free	Large bore size	Part3RR	Manual valve	High pressure	Metal-free	Large bore size	Single unit	Air operated Integrated	Regulator	Pilot	Manual	Flow rate adjusting valve	Electric	Manual	Manual Fine flow rate	Fine level Switch	Related products
	Part1						Part2					Part3RR															
	Part1						Part2					Part3RR															

Dimensions

● Integrated fitting

·AMDSZ0- *1

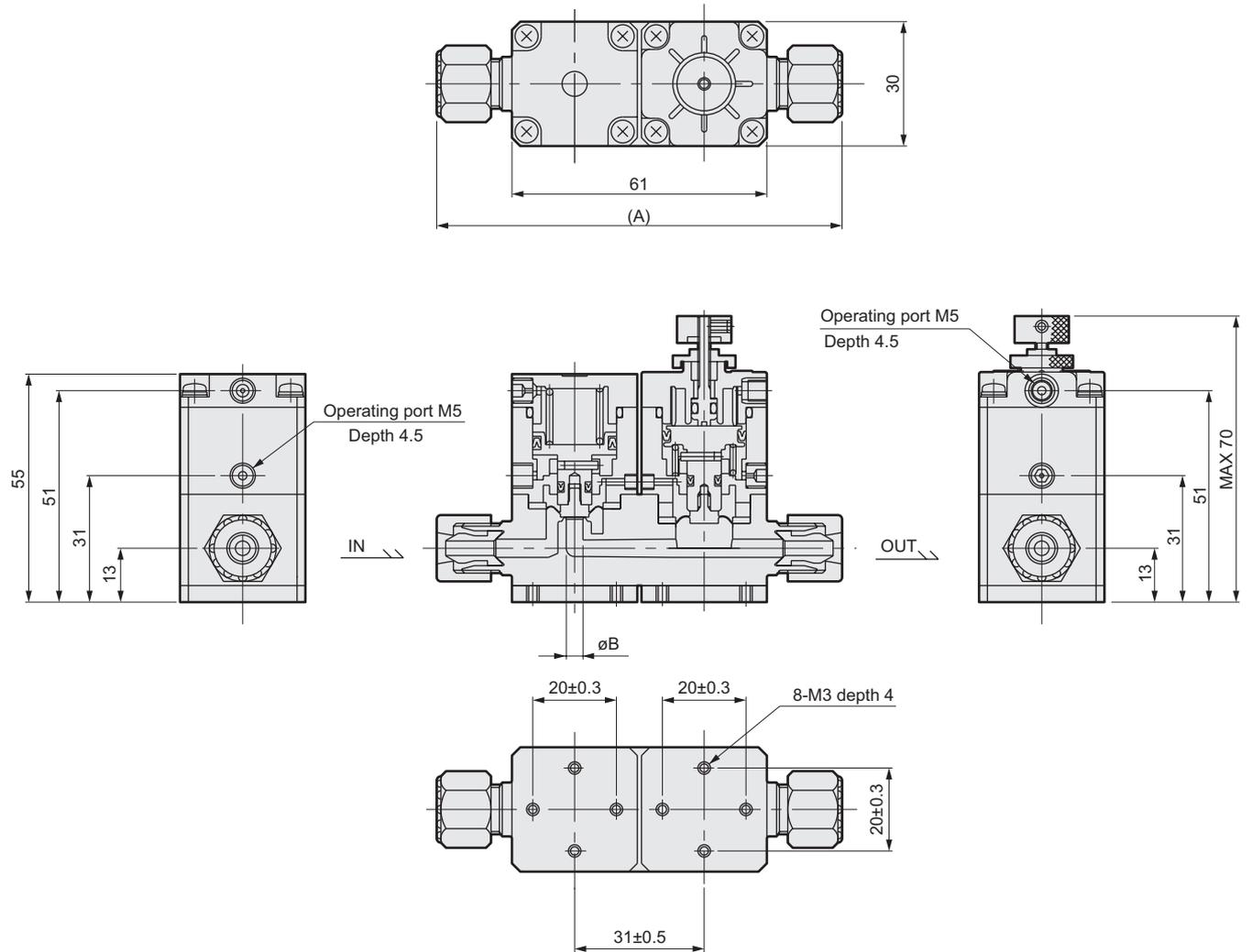


Dimensions	A	B
*1 (Connector No.)		
3US, 3UP	73	2
6BUS, 6BUP	73	2
3UF	63	2
3UR	80	1.6
6BUR	80	1.6

Dimensions

● Integrated fitting

·AMDS00- *1



Dimensions		
*1 (Connector No.)	A	B
6US	97	4
8BUS	97	4
6UP	99	4
8BUP	99	4
6UF	95	4
8BUF	95	4
6UR	121	3.5
8BUR	123	3.5
6UK	102	4
8BUK	102	4
8BUW	117	3

Air operated valve	Part3R	High pressure	Part2	High pressure	Part1	High pressure	Part3RR	High pressure	Part2	High pressure
		Metal-free		Metal-free		Metal-free		Metal-free		Metal-free
		Large bore size		Large bore size		Large bore size		Large bore size		Large bore size
		Polyvinyl chloride		Polyvinyl chloride		Polyvinyl chloride		Polyvinyl chloride		Polyvinyl chloride
Manual valve	Part3RR	Drainage	Part2	High pressure	Part1	High pressure	Part3RR	High pressure	Part2	High pressure
		Drainage		Metal-free		Metal-free		Metal-free		Metal-free
		Drainage		Large bore size		Large bore size		Large bore size		Large bore size
		Drainage		Single unit		Single unit		Single unit		Single unit
Regulator	Part3RR	Drainage	Part2	High pressure	Part1	High pressure	Part3RR	High pressure	Part2	High pressure
		Drainage		Metal-free		Metal-free		Metal-free		Metal-free
		Drainage		Large bore size		Large bore size		Large bore size		Large bore size
		Drainage		Single unit		Single unit		Single unit		Single unit
Flow rate adjusting valve	Part3RR	Drainage	Part2	High pressure	Part1	High pressure	Part3RR	High pressure	Part2	High pressure
		Drainage		Metal-free		Metal-free		Metal-free		Metal-free
		Drainage		Large bore size		Large bore size		Large bore size		Large bore size
		Drainage		Single unit		Single unit		Single unit		Single unit
Fine level Switch	Part3RR	Drainage	Part2	High pressure	Part1	High pressure	Part3RR	High pressure	Part2	High pressure
		Drainage		Metal-free		Metal-free		Metal-free		Metal-free
		Drainage		Large bore size		Large bore size		Large bore size		Large bore size
		Drainage		Single unit		Single unit		Single unit		Single unit
Related products	Part3RR	Drainage	Part2	High pressure	Part1	High pressure	Part3RR	High pressure	Part2	High pressure
		Drainage		Metal-free		Metal-free		Metal-free		Metal-free
		Drainage		Large bore size		Large bore size		Large bore size		Large bore size
		Drainage		Single unit		Single unit		Single unit		Single unit