



Air-operated valve for chemical liquids (3 port valve)

# AMGZ0 / AMG00 Series

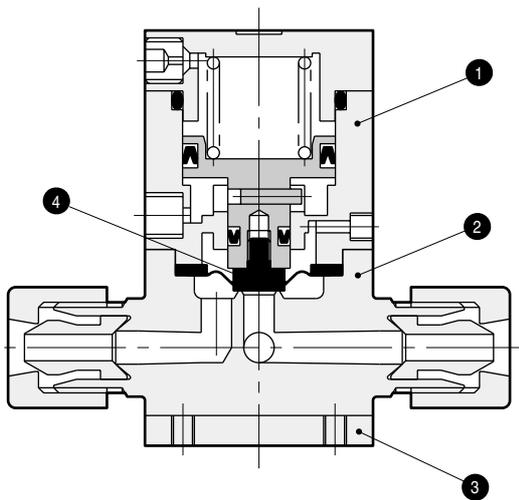
The fitting integrated 3-port valve eliminates dead space.

● Orifice: Ø1.6 to Ø4

## Specifications

Descriptions	AMGZ <sup>*</sup> -*-2	AMG0 <sup>*</sup> -*-4
Working fluid	Chemical liquids, pure water, N <sub>2</sub> gas, air	
Fluid temperature °C	5 to 80	
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 <sup>3</sup> /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	ODØ3 tube connection OD1/8" tube connection	ODØ6 tube connection OD1/4" tube connection
Orifice	Ø2	Ø4
Cv value	0.08	0.32
Operation section	Operation pressure MPa	0.3 to 0.5
	Operation port	M5

## Internal structure and parts list

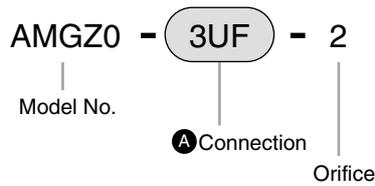


No.	Parts name	Material	Quantity
1	Actuator assembly	PPS	2
2	Body	PFA	1
3	Mounting plate	SUS	2
4	Diaphragm	PTFE	2

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

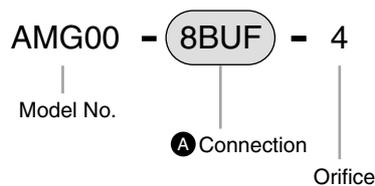
### How to order

#### ● AMGZO Series



Descriptions	<b>A</b> Connection				
	3US	6BUS	3UF	3UR	6BUR
Super type Pillar fitting integrated type	Super 300 type Pillar fitting J series integrated type		F-LOCK 20 series fitting integrated type	F-LOCK 60 series fitting integrated type	
	Ø3 X Ø2 tube connection	1/8" X 0.086" tube connection	Ø3 X Ø2 tube connection	Ø3 X Ø2 tube connection	1/8" X 1/16" tube connection
<b>Orifice</b>	Refer to the right				
	Ø2	Ø2	Ø2	Ø1.6	Ø1.6
<b>Body material</b>	PFA molded body or PTFE machined body				
	PFA	PTFE	PTFE	PTFE	PTFE

#### ● AMG00 Series



Descriptions	<b>A</b> Connection												
	6US	8BUS	6UJ	8BUJ	6UP	8BUP	6UF	8BUF	6UR	8BUR	6UK	8BUK	8BUW
Super type Pillar fitting integrated type	Super 300 type Pillar fitting J series integrated type		Super 300 type Pillar fitting P series integrated type		F-LOCK 20 series fitting integrated type		F-LOCK 60 series fitting integrated type		Final lock fitting integrated type		FLARTEC fitting integrated type		
	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	Ø6.35 X Ø4.3 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
<b>Orifice</b>	Refer to the right												
	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø3.5	Ø3.5	Ø4	Ø4	Ø3
<b>Body material</b>	PFA molded body or PTFE machined body												
	PFA	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE

### ⚠ Note on model No. selection

Note 1: Other bore sizes are also available. Contact CKD for details.

AMGZO  
AMG00  
AMG\*02  
GAMMD\*\*2  
High-pressure specifications  
AMB  
Flow characteristics  
MIMD\*02  
GMMD\*02  
MIMD\*0  
TMID\*02  
AMS  
AMDS  
TOAS  
Fine regulator  
KML  
Others  
Solenoid valve