

Air operated valve for chemical liquids
High pressure specification

AMD³₄⁵*2, AMG³₄⁵ 02, GAMD³₄⁵*2 Series



Item	B	Q
pressure specification		
Fluid temperature °C	5 to 90	
Working pressure MPa	Refer to Fig. 1 below	Refer to Fig. 2 below
Back pressure MPa	Refer to Fig. 1 below	Refer to Fig. 2 below
Operating pressure MPa	NC/NO: 0.4 to 0.5 Double acting: 0.35 to 0.4	NC/NO: 0.5 to 0.6 Double acting: 0.4 to 0.45 (*2)

*1: Other specifications and dimensions are the same as standard. However, the fluid temperature is 5 to 90°C. For use with hydrofluoric acid, or when the fluid temperature exceeds 40°C, consult with CKD.
*2: NC for AMD5*2, AMG5*2, and GAMD5*2 0.5 to 0.6, NO: 0.45 to 0.5, Double acting: 0.35 to 0.4.

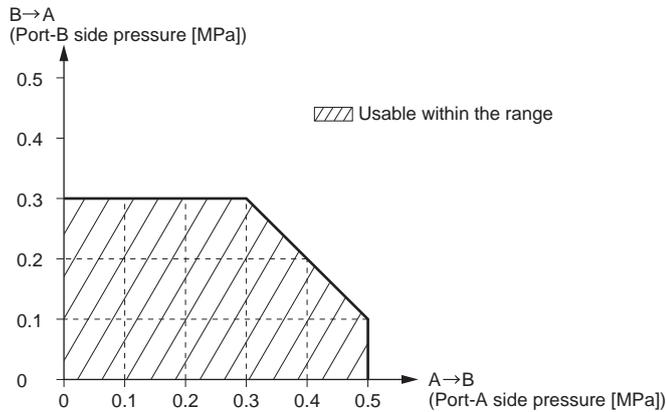


Fig 1: Usable fluid pressure range (B specification)

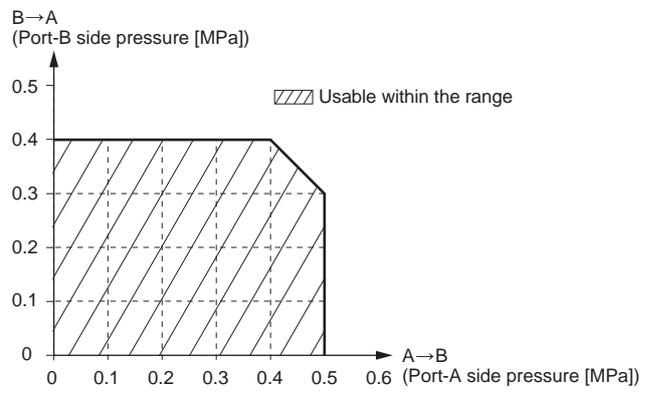


Fig 2: Usable fluid pressure range (Q specification)

How to order

AMD³₄⁵*2 Series

AMD³₄⁵ ① 2 - 15BUS - ③ ④ P B

① Actuation

② Connection ③ Option ④ Operating port direction

⑥ High pressure specification

B	0.3 MPa specification for both ports
Q	0.4 MPa specification for both ports

⚠ Precautions for model No. selection

*1: ① to ⑤ are the same as standard. Select from the page for each model. (AMD3*2, 4*2, 5*2: Page 24)

*2: When combining with operating port with reinforcing ring (R) and bottom mounting (X), fill in the model No. in the order of ③ ④ ⑤ R ⑥ X.

*3: If Item ⑥ is Q, bypass cannot be specified.

AMD³₄⁵*2 Series (stainless steel body)

AMD³₄⁵ ① 2 - ⑧ - ③ ④ - A - ⑤ B

① Actuation

② Connection ③ Option ④ Actuator material

⑥ High pressure specification

B	0.3 MPa specification for both ports
Q	0.4 MPa specification for both ports

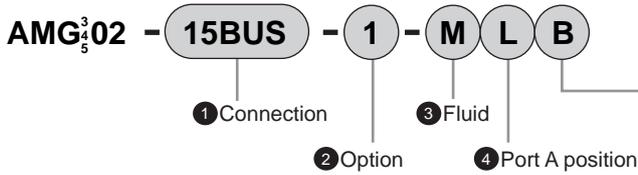
⚠ Precautions for model No. selection

*1: ① to ⑤ are the same as standard stainless steel body. Select from the page for each model. However, if ④ is blank, omit the previous hyphen when filling out the model No. (AMD3*2, 4*2, 5*2: Page 36)

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

How to order

AMG³₅⁴ 02 Series

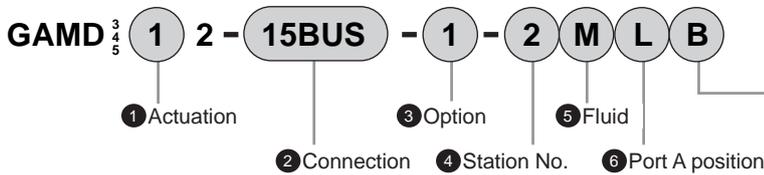


⑤ High pressure specification	
B	0.3 MPa specification for both ports
Q	0.4 MPa specification for both ports

⚠ Precautions for model No. selection

- *1: ① to ④ are the same as standard. Select from pages 48 to 55.
- *2: When combining with operating port with reinforcing ring (R), fill in the model No. in the order of ③ ④ R ⑤.

GAMD³₅⁴*2 Series



⑦ High pressure specification	
B	0.3 MPa specification for both ports
Q	0.4 MPa specification for both ports

⚠ Precautions for model No. selection

- *1: ① to ⑥ are the same as standard. Select from pages 56 to 63.
- *2: When combining with operating port with reinforcing ring (R), fill in the model No. in the order of ④ ⑤ ⑥ R ⑦.

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