

Chemical liquid manual valve **MMD**<sup>3</sup><sub>4</sub>**02 Series** • Orifice: MMD302: Ø6.3 to Ø10 MMD402: Ø14.7 to Ø16 MMD502: Ø20

CAD

Subject to Export Trade Control Ordinances

\*Target: MMD402 and 502 only

#### Specifications

Descriptions		MMD3	02		MMD402		MMD502
Working fluid	Chemical liquids, pure water (Note 1)						
Fluid temperature °C	5 to 90 (Note 2, 3)						
Withstanding pressure MPa	1.2						
Working pressure range (A -> B) MPa	0 to 0.4						
Working pressure range (B -> A) MPa	0 to 0.4						
Valve seat leakage cm3/min	0 (at, water pressure)						
Back pressure MPa	0 to 0.4						
Ambient temperature °C	0 to 60						
Installation attitude	Free						
Connection	ODØ10 tub	e connection (f	itting integrated type)				ODØ25 tube connection (fitting integrated type)
	ODØ12 tube connection (fitting integrated type)			OD3/4" tube connection			OD1" tube connection (fitting integrated type)
	OD3/8" tube connection (fitting integrated type)			(Fitting integrated type)			Nominal 16 (PVC union fitting integrated type)
	OD1/2" tub	e connection (f	itting integrated type)				Nominal 20 (PVC union fitting integrated type)
Orifice	Ø6.3 Ø6.4	Ø7.5 Ø8	Ø9.4 Ø9.5 Ø10	Ø14.7	Ø15.9	Ø16	Ø20
Cv value	0.8 1.25 1.8			5			8

Note 1: Check the compatibility of the product's configuration materials, working fluid, and ambient atmosphere before use.

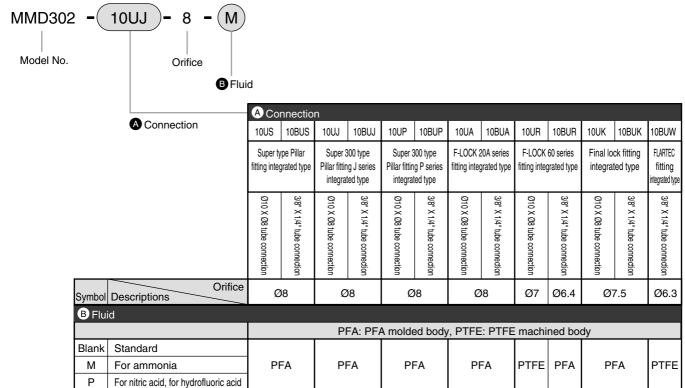
Note 2: 5 to 50 °C for PVC union fitting for MMD502 connection.

Note 3: 5 to 40 °C for hydrofluoric acids.

### MMD302<sub>Series</sub>

#### How to order

MMD302 Series (Connection: Ø10, 3/8" tube)



Model No. for type with coated metal section

MMD302 - ( A )- 8 - (B) C

Coated

#### Bottom installation type No.

MMD302 - ( A )- 8 - (B) X

Bottom installation

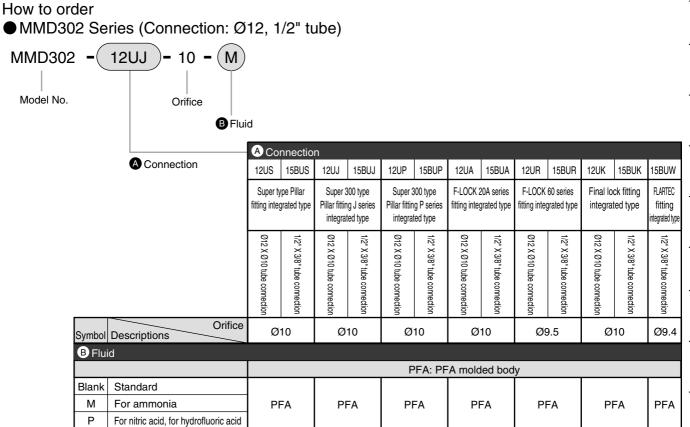
Coated metal section + bottom installation type No.

MMD302 - ( A )- 8 - (B) C Х

Coated Bottom installation

## MMD302<sub>Series</sub>

How to order



Model No. for type with coated metal section

MMD302 - A - 10 - B C Coated

•Bottom installation type No.

MMD302 - A - 10 - B X

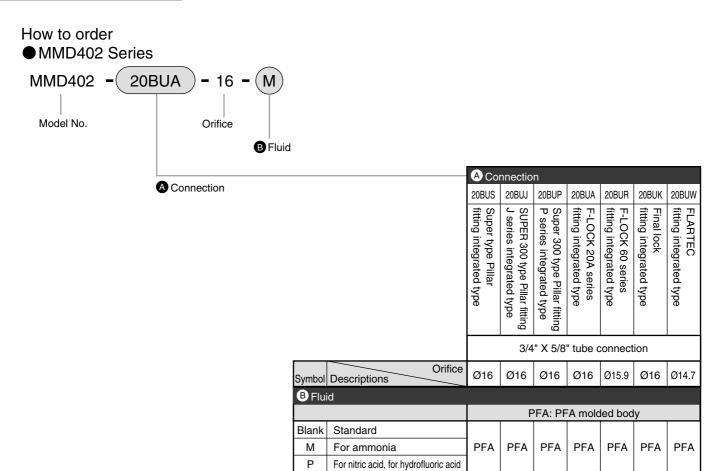
Bottom installation

Coated metal section + bottom installation type No.

MMD302 - A - 10 - B C

C X Coated Bottom installation

### MMD402<sub>Series</sub>



Model No. for type with coated metal section

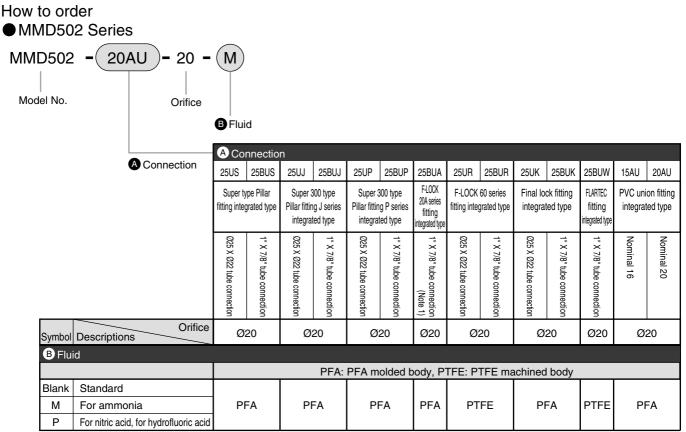
MMD402 - A - 16 - B C Coated • Bottom installation type No. MMD402 - A - 16 - B X Bottom installation

Coated metal section + bottom installation type No.

MMD402 - A - 16 - B C X Coated Bottom installation

# MMD502<sub>Series</sub>





Model No. for type with coated metal section

MMD502 - A - 20 - B C

Coated

Bottom installation type No.

MMD502 - A - 20 - B X

Bottom installation

Coated metal section + bottom installation type No.

MMD502 - A - 20 - B C

C X Coated Bottom installation

Note on model No. selection

Note 1: Also usable for the Ø25 x Ø22 diameter tube connection.