

Multiple Rotation Type Large Capacity Simplified Needle Valve MODEL 2400D SERIES

Of all our products with a very small flow controlling function, this is a comparatively large flow control valve. This is a low-cost needle valve with a simple structure.

Features

- Precision machining ensures satisfactory control characteristics.
- In comparison with commercial simplified types, the number of revolutions of this needle valve is a maximum of 12 revolutions, permitting very smooth flow control.

Standard Specifications

Number of turns of regulating screw	Approx. 8–10 turns
Needle	2 types
Maximum operating pressure	1 MPa
Materials of parts in contact with fluids	(A) Al, brass, NBR, POM, SUS303 (S) SUS304, FKM, fluorocarbon resin, SUS303
Connection end	Rc 3/8, Rc 1/4
Fluids	Gas and liquid
Rated flow ranges	See the table below.

Flow rating (Reference table)

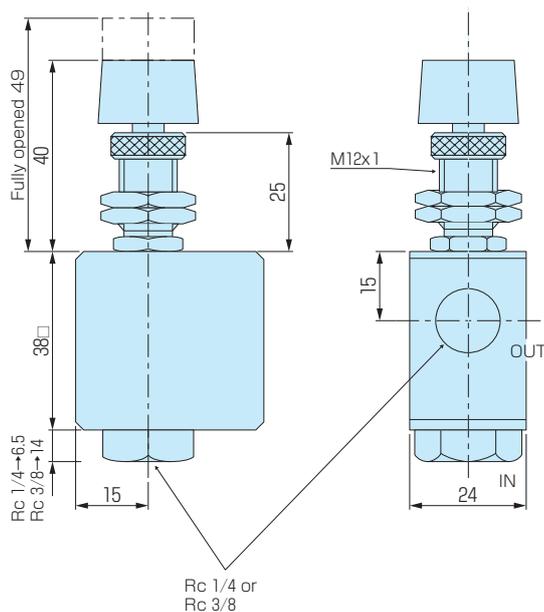
The actual flow may be different from the values shown in the table depending on the operating conditions and instrument errors. Please use these values for reference only.

Outlet side open to Air at 20°C

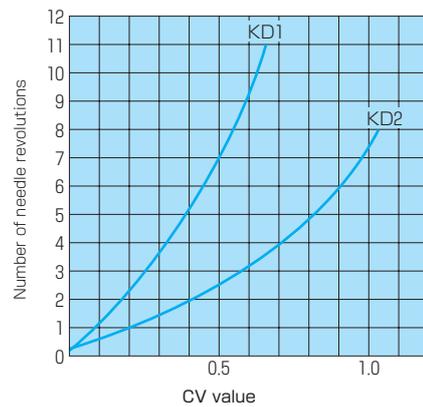
Needle No.	Max. CV value	Supply pressure (MPa)				
		0.01	0.05	0.1	0.2	0.3
KD1	0.68	70	215	295	440	—
KD2	1.0	85	280	400	—	—

Unit: L/MIN

Dimensions



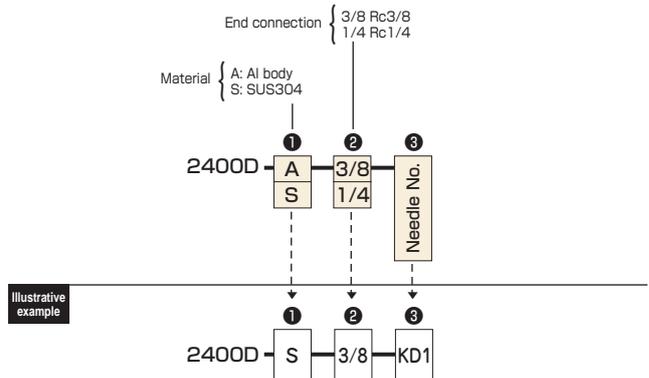
CV value



Purchasing

- Refer to Model 2400 on page 90 for control of small flow.
- If you find it difficult to select a needle number, advise us of the name of the fluid, pressure, and flow, and we will select an appropriate valve.

Ordering



* Refer to "Ordering" and "Illustrative example" when placing an order or requesting a quotation. Fill in the blanks in the "Order/Quotation Request Card" at the end of the catalog, and send the card by fax.