

## Precision Needle Valve with Multidial

## MODEL 2412M SERIES

Applicable fluids Gas N<sub>2</sub>, Air, H<sub>2</sub>, He, Ar, O<sub>2</sub>, CO<sub>2</sub>, etc. Liquid H<sub>2</sub>O

Max. flow rate Gas 5mL/min to 100L/min (Air at 20°C, 0.1MPa differential pressure)

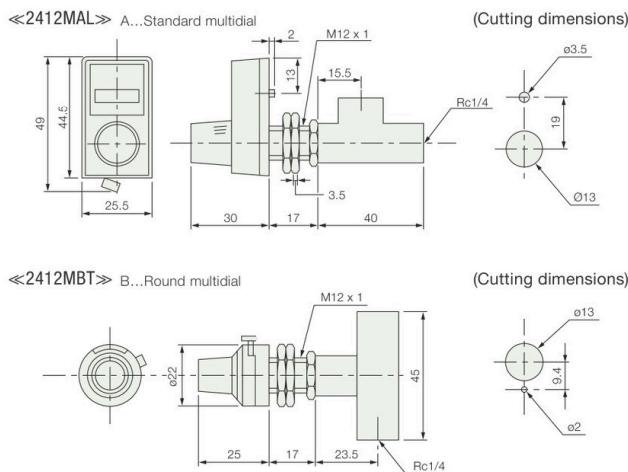
Liquid 5mL/min to 2L/min (H<sub>2</sub>O at 20°C, 0.1MPa differential pressure)

\* Up to the working conditions. For details, see the reference data.

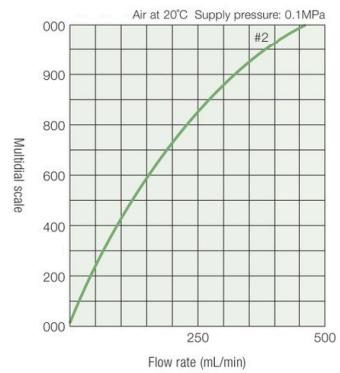


- Capable of setting flow rate at the scale of multidial
- Stable control of minute flow rate
- Superior control performance by a non-rotating structure
- Capable of selecting optimum controllability according to the working conditions with wide variety of needles

## Dimensions



## Example of flow rate characteristics



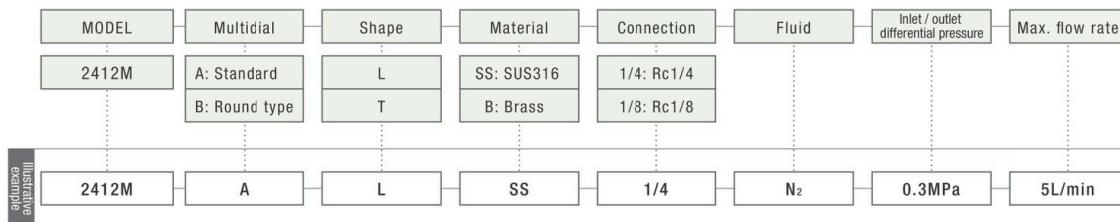
## Standard Specifications

MODEL	2412M	
Applicable fluids	N <sub>2</sub> , Air, H <sub>2</sub> , He, Ar, O <sub>2</sub> , CO <sub>2</sub> , etc.	H <sub>2</sub> O
Number of turns of regulating screw	Approx. 12 turns	
Max. working pressure	1MPa(G)	
Max. working temperature	SS: 120°C B: 70°C	
Materials of parts in contact with fluid	SS: SUS316, PCTFE, FKM B: Brass, POM, NBR, SUS316	
Connection	Rc1/4	
Weight	Approx. 170g	

\* Dial scale range: 000 to 999 (no scale calibration)

\* The 2412M and 2412 have opposite screw turning directions to each other.

## Ordering



\* We will select an optimum needle number based on the conditions such as the pressure, fluid and flow rate. Use the ratings table only as reference.

\* See the 2412 for the flow rating.