

of Companies



Dosing Valves

Flow Valves

Shutoff Valves









Dosing Valves



Group of Companies





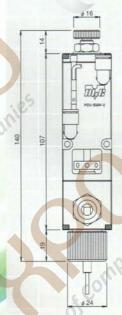




FDV-SWA-V

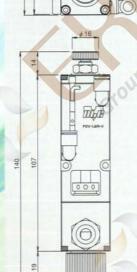
- Square valve for multi-component dispensing system or mounting on a robot.
- Standard model suitable for small-volume dispensing of high viscosity resins.





FDV-LWA-V

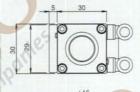
 Has the largest orifice diameter (4.5) as a dosing valve. Suitable for large-volume dispensing of single-component and 2component resins.



\$24

FDV-FWA-V

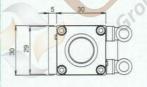
- Can be used for anaerobic resins that react to metal.
- Parts that come in contact with liquid are made of resin materials such as Teflon.

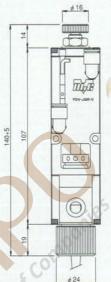




FDV-JWA-V

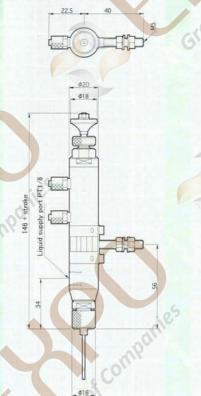
- For UV cure resins.
- Parts that come in contact with liquid are made of resin materials such as DURACON.







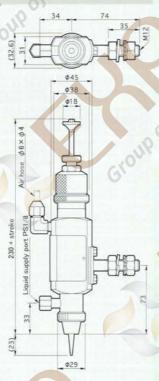
- General-purpose valve for versatile applications.
- Simple structure for easy maintenance.



Double-acting type capable of

handling high viscosity resins. Suitable for small-volume dis-

pensing.



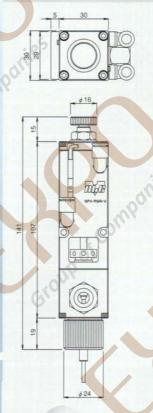
Flow Valves





SFV-MWA-V

- Structured to seal up by pulling up the needle.
- Suitable for constant volume dispensing of viscous resins which cause cobwebbing.



FV-MWA

- Slim and compact valve designed for space saving.
- Suitable for constant smallvolume dispensing of smooth liquids.



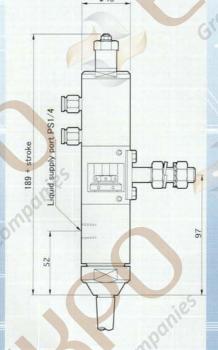


Shutoff Valves



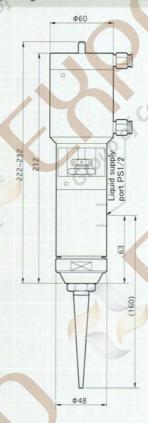
FV-SWA

- General-purpose valve for versatile applications.
- Suitable for constant large-volume dispensing of single-component and 2component resins.



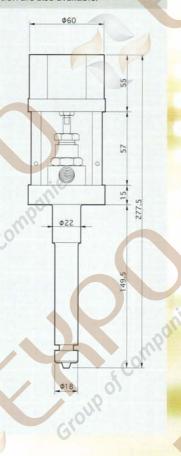
FV-LWA

- Has the largest orifice diameter (20) as a liquid discharging valve for dispensers.
- Suitable for constant large-volume dispensing.



DV-V

- Dedicated to vacuum encapsulation. Nozzle tip is sealed to minimize drappings.
- Custom-made valves for specific application are also available.



Liquid Discharging Valves for Dispensers





Simply constructed, yet very durable. NLC liquid discharging valves support a wide range of application and enable high accuracy dispensing.

Our unique valve mechanism using tapered needles at valve point prevents liquid drippings after dispensing. Also, the volume can be changed easily by stroke adjustment, enabling stable dispensing. Select an appropriate model according to the liquid used, dispensing volume and application.



Dosing Valves

■ Structure and Features

- 1 Tapered needle holds to seal up the liquid path (hole) to prevent leakage from the nozzle.
- 2 Stroke adjustment mechanism enables liquid volume control.
- 3 Provide excellent durability. Parts that come in contact with liquids can be disassembled easily, facilitating maintenance work.
- 4 Stainless steel is used for parts that come in contact with liquids to handle various liquids.
- 5 A variety of models are available to handle various applications including anaerobic and 2-component resins, in addition to singlecomponent resins.



Structure and Features

- 1 Contrary to the dosing valves, the needle is pulled up to seal the liquid path. Liquid at the nozzle tip is drawn in.
- 2 Suitable for large volume dispensing because of larger orifice diameter.
- 3 Stroke adjustment mechanism enables liquid volume control.
- 4 Provide excellent durability. Parts that come in contact with liquids can be disassembled easily, facilitating maintenance work.
- 5 Stainless steel is used for parts that come in contact with liquids to handle various liquids.
- 6 Can be used for 2-component resins, as well as single-component resins.





Shutoff Valves

Structure and Features (for Vacuum Encapsulation)

- 1 Nozzle tip is sealed by the needle to prevent drippings in the vacuum chamber.
- 2 Simple construction with excellent durability. Parts that come in contact with liquids can be disassembled easily, facilitating maintenance work.
- 3 Stainless steel is used for parts that come in contact with liquids to handle various liquids.
- 4 Can be used for 2-component resins, as well as single-component resins.

■ Specifications

Valve type	Dosing valves						Flow valves				Shutoff
Model	FDV-SWA-V	FDV-LWA-V	FDV-FWA-V	FDV-JWA-V	DV-MWA	DV-S	SFD-MWA-V	FV-MWA	FV-SWA	FV-LWA	DV-V
Orifice dia. (mm)	o 1.8	φ 4.5	φ 2.0	ф 2.0	φ 2.5	ф 2.5	φ 1.8	φ 2.5	φ 10.2	φ 20	φ 4.5
Acting type	Double-acting	Double-acting	Double-acting	Double-acting	Double-acting	Single-acting	Double-acting	Double-acting	Double-acting	Double-acting	Double-actin
Weight (g)	430	460	300	300	170	400	420	160	930	1,650	1,400
Applicable resin	1 & 2-component Low-medium viscosity	1 & 2-component Low-high viscosity	Anaerobic resin	Anaerobic resin			1-component Mediam - high viscosity			1.&2-component Mediam-high viscosity	1&2-componer Low-high viscosity
Material of parts in contact with liquid		SUS, PA, Teflon	PP,Teflon	PP,Teflon, DURACON	SUS, PP, Teflon	SUS, PA, Teflon	SUS, PP, Teflon	SUS, Teflon	SUS, Teflon	SUS, Teflon	SUS,Teflon, PCTFE
Operating pressure	0.3 - 0.7 MPa										





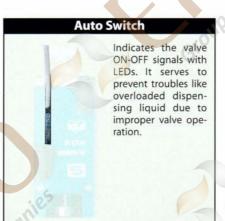
OPTIONS Various optional accessories are available to support a wide range of liquids or applications.



















* Design and specifications are subject to change without prior notice. * For details of the products and services, consult with the nearest sales office.



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