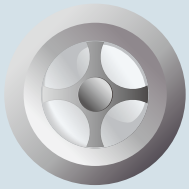




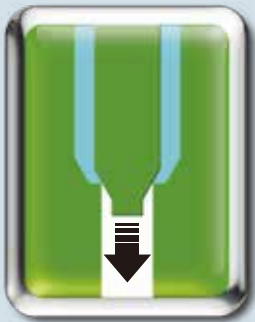
Liquid Discharging Valves for Dispensers

VALVES**Dosing**
Valves**Flow**
Valves

Simply constructed, yet highly 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

Dosing valves capable of discharging liquids from low to medium viscosity, at a constant flow rate regardless of working conditions. A good selection of models enables you to find an appropriate orifice size that meets your requirements for discharging volume and liquid viscosity.

Model	FDV2-SWA-V	FDV2-LWA-V	DV-S
Orifice dia. (mm)	φ1.8	φ4.5	φ1.8
Acting type	Double-acting	Double-acting	Single-acting
Weight (g)	430	460	450
Applicable resin	1 & 2-components,	Low - high viscosity	1-component,
Material*	SUS, PA, PTFE	SUS, PP, PTFE	Low - medium viscosity
Operating pressure	0.4 - 0.6 MPa		

*Material of parts in contact with liquid

Valve with gun-type
handy switch (optional)**FDV2-SWA-V**

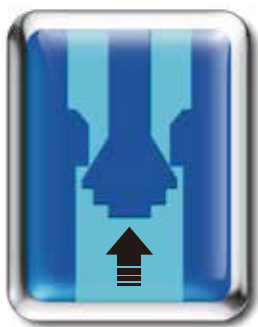
Square valve for multi-component dispensing system or mounting on a robot. Standard model suitable for small-volume dispensing of high viscosity resins.

**FDV2-LWA-V**

Has the largest orifice diameter (φ4.5) as a dosing valve. Suitable for large-volume dispensing of single-component and 2-component resins.

**DV-S**

General-purpose valve for versatile applications. Simple structure for easy main-tenance.



Flow Valves

Flow valves capable of discharging liquids from low to high viscosity, at a constant flow rate regardless of working conditions. Equipped with a large-diameter orifice, NLC's flow valves are excellent for large-volume discharging.

Model	FV-SWA
Orifice dia. (mm)	φ10.2 (φ6*)
Acting type	Double-acting
Weight (g)	930
Applicable resin	1 & 2-component Medium - high viscosity
Material**	SUS, PTFE
Operating pressure	0.4 - 0.6 MPa

*() : Needle dia.

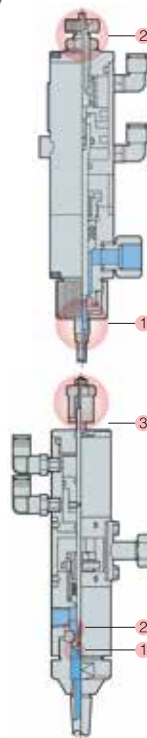
** Material of parts in contact with liquid



FV-SWA

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

Structure and Features



Dosing valve

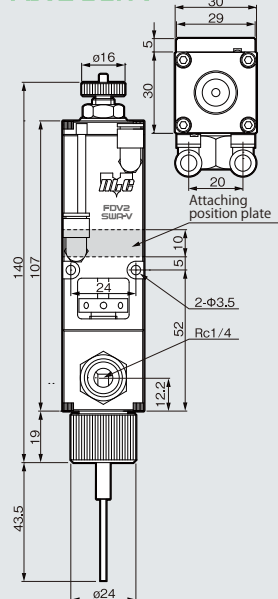
- 1 Tapered needle holds to seal up the liquid path (hole) to prevent leakage from the nozzle.
- 2 Stroke adjustment mechanism enables liquid volume control.
- 3 Provide excellent durability. Parts that come in contact with liquids can be disassembled easily, facilitating maintenance work.
- 4 Stainless 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 single-component resins.

Flow valve

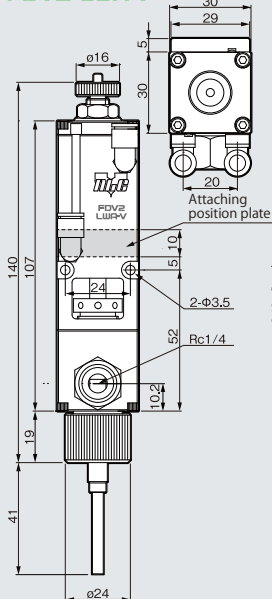
- 1 Contrary to the dosing valves, the needle is pulled up to seal the liquid path. Liquid at the nozzle tip is drawn in.
- 2 Suitable for large volume dispensing because of larger orifice diameter.
- 3 Stroke adjustment mechanism enables liquid volume control.
- 4 Provide excellent durability. Parts 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.

Dosing Valves

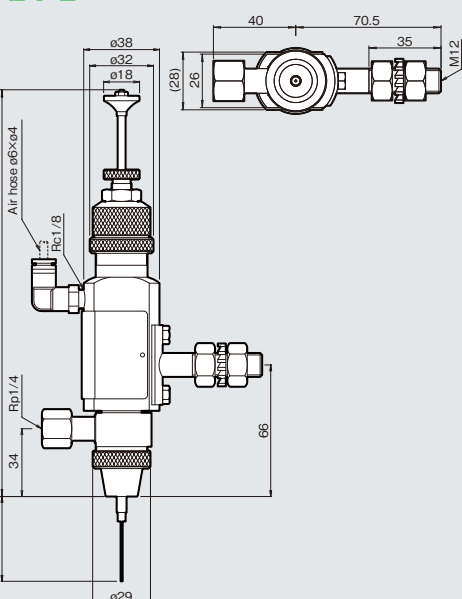
FDV2-SWA-V



FDV2-LWA-V



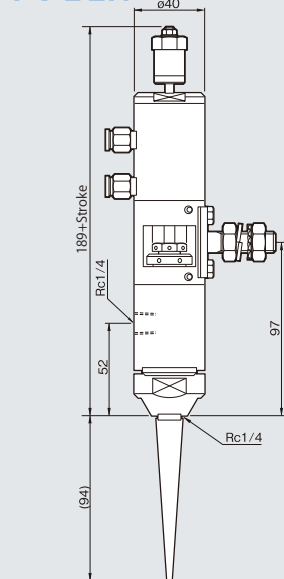
DV-S



Unit: mm

Flow Valves

FV-SWA



Unit: mm



Options

A good selection of optional parts and accessories is available to support various types of liquids and applications.

Flushing Attachment, Air Blow Nozzle Unit, Multi-nozzle, Handy Switch (Gun Type), Auto Switch, Positioning Plate, Main Body B Heater, Valve Stand, Slide Cap, Nozzles, etc.

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

Customize

A good selection of valves, from general-purpose to purpose-specific valves, is available to support various types of applications.

www.nlc-dis.co.jp

NLC Developing the future technology of liquid handling
Naka Liquid Control Co., Ltd.

Head Office/Factory: 2-18-1 Dainichi-cho, Moriguchi-shi, Osaka 570-0003 Japan Tel. 06-6905-1391 Fax. 06-6903-8069
Singapore Office: 50 Bukit Batok St. 23 #04-11 Midview Building Singapore 659578 Tel. 65-6268-5911 Fax. 65-6268-2170