DV-100 (DISPENSING VALVE)

SPECIFICATIONS
- Air Pressure: more than 4.0kgf/cm²
- Material Supply Pressure: Max 5.0kgf/cm²
- Max. Cycle: more than 200 cycles/min
- Valve Structure: Needle Valve
- Material of Driving port: Body: AL2011 / Piston: SUS303F
- Piston Seal: O – Ring (NBR)
- Material of dosing port: Valve Head: UHMW_PE
- Diaphragm: UHMW_PE
- Flux (KV value): 0.3l / min
- Viscosity: 1~5,000cPs
- Weight: 76gf
- Size (mm): 79.4 (L) x Ø27.0

FEATURES
- This valve is suitable for small scale dispensing relying on a constant volume.
- Its polymeric dosing part is safe in contact with chemical materials.

APPLICATIONS
- Low Suitable for low viscosity materials (reagent, solvent, instant adhesive, anaerobic bonds, flux, ink and electrolyte)

DV-200S (DISPENSING VALVE)

SPECIFICATIONS
- Air Pressure: more than 4.0kgf/cm²
- Material Supply Pressure: Max 6.0kgf/cm²
- Max. Cycle: more than 400 cycles/min
- Valve Structure: Needle Valve
- Material of Driving port: Body: AL / Piston: SUS303
- Piston Seal: O – Ring (NBR)
- Material of dosing port: Chamber: SUS303 / Diaphragm: UHMW_PE
- Seal: PEEK
- Flux (KV value): 0.6l / min
- Viscosity: 1~50,000cPs
- Weight: 180gf
- Size (mm): 95.0 (L) x Ø27.0

FEATURES
- Suitable for precise microdispensing.
- Low incidence of drom formation even when a narrow needle is used.
- Easy needle replacement.

APPLICATIONS
- Low to moderate viscosity materials for microdispensing.
  (Any flowable fluid used for microdispensing)
**DV-200H (DISPENSING VALVE)**

**SPECIFICATIONS**
- **Air Pressure**: more than 4.0–6.0 kgf/cm²
- **Material Supply Pressure**: Max 250 kgf/cm²
- **Max. Cycle**: 400 cycles/min
- **Valve Structure**: Needle Valve
- **Material of Driving port**: Body : AL2011 / Piston : SUS303F
  - Piston Seal : O – Ring (NBR)
- **Material of dosing port**: Chamber : SUS303
  - Valve Seal : Teflon
- **Flux (KV value)**: 0.5 l/min
- **Viscosity**: 1,000~1,000,000 cPs
- **Weight**: 217gf
- **Size (mm)**: 133.5 (L) x Ø25.0

**FEATURES**
- Easy to change flow rate using the knob; durable with unique seal design and easy to use for manual dispensing.

**APPLICATIONS**
- High viscosity materials (RTV silicone, grease and epoxy)

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**DV-30H (DISPENSING VALVE)**

**SPECIFICATIONS**
- **Air Pressure**: more than 4.0 kgf/cm²
- **Material Supply Pressure**: Max 6.0 kgf/cm²
- **Max. Cycle**: more than 300 cycles/min
- **Valve Structure**: Mini Poppet Valve
- **Material of Driving port**: Body : AL2011 / Piston : SUS303F
  - Piston Seal : O – Ring (NBR)
- **Material of dosing port**: Chamber : SUS303F
  - Rod : SUS303 / Seal : UHMW PE
- **Flux (KV value)**: 1.2 l/min
- **Viscosity**: 1,000~50,000 cPs
- **Weight**: 82gf
- **Size (mm)**: 65.2 (L) x 51.0 (H) x Ø23.0

**FEATURES**
- A compact version of DV-300 in vertical structure with a convenient multi-channel head.

**APPLICATIONS**
- Moderate ~ high viscosity materials.
HPV-370 (HIGH VOLUME SPOOL VALVE)

HPV 370 is a high pressure dispensing valve. It is an effective and economical solution for dispensing medium-high viscosity materials such as silicones, RTV and grease.

PTV-710 (PINCH TUBE VALVE)

PTV 710 is a compact and cost effective valve for dispensing semi-viscous materials, cyanoacrylates, uv cure adhesive and two components fluids. The only part of the valve that makes contact with the liquid is the low cost replaceable pinch tube assembly.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Air Pressure</td>
<td>50Psi (3.4 bar) minimum</td>
</tr>
<tr>
<td>Witted Parts</td>
<td>Polyethylene</td>
</tr>
<tr>
<td>Material Input Pressure</td>
<td>100Psi (max)</td>
</tr>
<tr>
<td>Connecting Ports</td>
<td></td>
</tr>
<tr>
<td>Operating Air Input</td>
<td>1/4&quot; tube adapter</td>
</tr>
<tr>
<td>Material Inlet</td>
<td>Luer Lock</td>
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**SDV-200** (SPRAY VALVE)

Ultra fine spray systems demonstrate a perfect combination of compressed air and fluid.

**FEATURES**
- The valves are designed to spray a constant amount of low to moderate viscosity materials.
- Micro dispensing is possible without overspray or bounce back at low pressure and flow rate.
- Spray pattern and width are adjustable.
- Unique diaphragm structure and valve seat allow stability and durability.
- Based on the external mixing system, micro particles are produced without nozzle clog.
- Compact design is simple and space efficient.

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<td>Air Pressure</td>
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<td>Range of Spray</td>
<td>0 ~ 0.7MPa</td>
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<td>Range of Valve Driving Time</td>
<td>Start, End Time : 0.01 ~ 9.99sec</td>
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<td>Interval Time</td>
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<tr>
<td>Driving Mode</td>
<td>Timer Mode</td>
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<tr>
<td>Spray Input Signal</td>
<td>No Voltage</td>
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<td>Weight</td>
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**SDV-300** (CONTROLLE)

**FEATURES**
- Exclusive software for spray valves.
- A graphic LCD screen (128x64dot) is wide and convenient.
- Easy digital settings facilitate the standardization process.
- Multifunctional (dispense ans spray), depending on settings.
- Data storage function is useful for production management.