MV300

POSITIVE DISPLACEMENT METERING VALVES

POLY DISPENSING SYSTEMS
SYSTEMES DE DOSAGE INDUSTRIEL

122, Chemin de la Cavée - 78630 Orgeval • contact@polydispensing.com • Tel : 01.39.62.40.92
www.polydispensing.com
Volumetric valve MV300

The highly accurate MV300 valve’s deposit volume is determined by the valve’s stroke adjustment setting and is not affected by variations in viscosity or material pressure. The MV300 is a true positive displacement metering valve capable of dispensing deposits of material in a highly accurate process. The deposit volume is determined by the valve’s stroke adjustment setting and is not affected by variations in viscosity or material pressure. The MV300 is compatible with all PVA automated platforms.

The MV300 has many integrated features including:

- 0.010 cc to 0.125 cc shot size
- Divorced valve design prevents material contamination of the air section
- Inlet and outlet check valves provide precise metering of material
- Adjustable stroke permits shot size modification
- Stainless steel fluid section for optimum material compatibility
- Lightweight aluminum air section

Advantages

- Volumetric device simple to install
- Easy and fast calibration of the quantity
- Minimum accuracy of ± 1%
- Part in contact with the stainless steel fluid
- Opening and closing control (faster)
- Potential rate: greater than 600 cycles / minute
- No residual drop at the end of the cycle

Compatible products

Adhesives / Activators / Lubricants / oils / RTV / Epoxies / Solvents / Alcohols / Fluids / Inks / Paints
**Characteristics**

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Details</th>
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<tbody>
<tr>
<td><strong>Dimensions</strong></td>
<td>203mm x 29.2mm x 29.2 mm</td>
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<tr>
<td><strong>Weight</strong></td>
<td>8 oz</td>
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<tr>
<td><strong>Viscosity Range</strong></td>
<td>1 cps – Paste</td>
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<tr>
<td><strong>Operating Air Pressure</strong></td>
<td>60 – 100 psi</td>
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<tr>
<td><strong>Maximum Inlet Fluid Pressure</strong></td>
<td>300 psi</td>
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<tr>
<td><strong>Wetted Components</strong></td>
<td>Stainless steel, Delrin, Kalrez®, Teflon®</td>
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<tr>
<td><strong>MV300 Shot Size Range</strong></td>
<td>0.010 cc to 0.125 cc</td>
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</tbody>
</table>

- Adjustment wheel used to set the amplitude of the movement of the diaphragm and to adjust the fluid flow rate.
- Air intake of command of closing
- Air intake of order opening
- Needle guidance
- Needle Piston
- Fluid inlet
- Needle Seat
- Watertight entrance Teflon ball
- Waterproof exit Teflon ball
PDS S.A.S is a French company that commercializes a wide range of dosage equipments, proven and effective.

Distributed in over 20 countries around the world, these equipments provide tailored solutions to many users in order to improve technically their manufacturing and reduce their productions costs.

Our collaborators and sales engineers all have a strong technical competences. They are able to answer your questions and offer you, after analysis, the right solution for your particular need.

FRANCE - SWITZERLAND
NORTH AFRICA
Poly Dispensing Systems
122, Chemin de la Cavée
78630 Orgeval
FRANCE
📞 +33 (0)1 39 62 40 92
✉️ +33 (0)1 39 62 40 94
www.polydispensing.com

BELGIUM- NETHERLANDS
LUXEMBOURG
Gentec Benelux
Rue de L'Industrie, 12
B-1400 Nivelles
BELGIQUE
📞 +32 2 351 1800
✉️ +32 2 351 1962
www.gentec-benelux.com

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