Stainless Steel Spray Valve

Advantages

- Stainless steel chamber for more accounting.
- Easy and fast calibration of the quantity
- High precision removal
- Fluid chamber of the control.
- Low volume / Low pressure
- Air-product separation up to valve outlet
- Round and elliptical interchangeable atomization caps
- Potential rate: greater than 600 cycles / minute
- No residual drop at the end of the cycle

The FCS300 spray valve provides a repeatable, concentrated coating film in pattern widths ranging from 0.25” to over 2”.

The atomized spray process resulting from the FCS300 will produce conical (round cap) or fan-shaped (flat cap) patterns with transfer efficiencies in excess of 99%. The FCS300 features a micrometer flow adjustment that makes fine tuning of your process easier than ever.

The FCS300 has many integrated features including:

- Low pressure, low volume atomized process
- 300 series stainless steel fluid body for superior material compatibility
- Interchangeable spray cap offers fan and oval-shaped patterns
- Micrometer flow adjustment with lock nut
- Divorced valve design prevents contamination of the air section
- Compatible with all commercially available conformal coatings
- Wide viscosity range offers versatility for virtually any spray application

Compatible products

Coatings / Liquid greases / Marking inks / Lubricants - oils / Silicones / Solvents - Alcohol / Adhesives / Inks - paints / Activators, flux
**Characteristics**

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Details</th>
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<tbody>
<tr>
<td>Dimensions</td>
<td>168.4 mm x 22 mm x 22 mm</td>
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<tr>
<td>Weight</td>
<td>170g [9 oz]</td>
</tr>
<tr>
<td>Viscosity Range</td>
<td>1 cps – Paste</td>
</tr>
<tr>
<td>Operating Air Pressure</td>
<td>60 – 100 psi</td>
</tr>
<tr>
<td>Maximum Inlet Fluid Pressure</td>
<td>2500 psi</td>
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<tr>
<td>Wetted Components</td>
<td>Stainless steel, Teflon®, Kalrez®</td>
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<tr>
<td>Transfer Efficiency</td>
<td>99%</td>
</tr>
<tr>
<td>Spray Pattern Width (Round Cap)</td>
<td>0.25 in – 1 in</td>
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<tr>
<td>Spray Pattern Width (Flat Cap)</td>
<td>0.75 in – 2 in+</td>
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</tbody>
</table>

Adjustment wheel adjusts the amplitude of the movement of the diaphragm and to adjust the fluid flow rate.

Closed control air intake. Assist the spring.

Opening control air inlet.

Fluid inlet.

Needle Piston.

Guide nuts.

Needle Seat.

Guidance.

Fluid chamber.

Round or elliptical atomization cap.
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 equipements 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.