Piston Cup Displacement, Fixed Ratio Meter, Mix, and Dispense System

System Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metering Principle</td>
<td>Piston Cup Displacement</td>
</tr>
<tr>
<td>Drive Type</td>
<td>Air Drive</td>
</tr>
<tr>
<td>Material Delivery</td>
<td>Shot</td>
</tr>
<tr>
<td>Shot Size Range</td>
<td>Up to 32 cc at 1:1 Ratio</td>
</tr>
<tr>
<td>Ratio Range</td>
<td>1:1 up to 10:1</td>
</tr>
<tr>
<td>Viscosity Range</td>
<td>Liquid</td>
</tr>
<tr>
<td>Supply Type</td>
<td>Gravity Feed or Tank</td>
</tr>
</tbody>
</table>

Application Solutions

- Small Batch Sample Testing
- Aircraft and Aerospace
- Battery
- Electronics and Electrical
- Filters
- Lighting and LED
- Solar and Wind Power

Benefits

- Longer Lifespan
  - Heavy duty piston cups along with hardened metering cylinder sleeves minimize wear and increase lifespan
- Quality Dispensing
  - Piston cup displacement metering combined with air drive technology proportions materials to the manufacturer’s exact volumetric ratio
  - Controlled flow rate and mixed material dispense volumes meet customer specifications
- Exact Consistency
  - Air cylinder extend/retract positions have hard stops for precise dispense volume control
- Economically Priced
  - Ideal for small batch sample production or laboratory test environment

Features

- Pneumatic air drive allows for rapid dispense cycles
- Manual shot size adjustment
- Low cost repair and easy maintenance
- Metering cylinder outlets utilize check valves to prevent off-ratio conditions
System Specifications

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Height (A)</td>
<td>28” (71 cm)</td>
</tr>
<tr>
<td>Depth (B)</td>
<td>8” (20.5 cm)</td>
</tr>
<tr>
<td>Width (C)</td>
<td>16” (41 cm)</td>
</tr>
<tr>
<td>Weight</td>
<td>58 lbs. (26.5 kg)</td>
</tr>
</tbody>
</table>

Machine only, without material, valves, fittings, hoses, etc.

Technical Data

<table>
<thead>
<tr>
<th>Ratio</th>
<th>Volume (max)*+</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:1</td>
<td>32 cc’s</td>
</tr>
<tr>
<td>2:1</td>
<td>25 cc’s</td>
</tr>
<tr>
<td>4:1</td>
<td>20 cc’s</td>
</tr>
<tr>
<td>6:1</td>
<td>19 cc’s</td>
</tr>
<tr>
<td>8:1</td>
<td>17 cc’s</td>
</tr>
<tr>
<td>10:1</td>
<td>16 cc’s</td>
</tr>
</tbody>
</table>

*Estimate only. Material ratios and viscosities will affect actual meter capability.
+Consult your Nordson representative with application specifics for accurate meter capabilities.

Test Applications

For more information, speak with your Nordson representative or contact your Nordson regional office.

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