Vertical Diaphragm Valves
TS5620 Series

The TS5620 Series Vertical Diaphragm Valves are designed to dispense low to medium viscosity fluids with precision accuracy over a wide range of shot and bead sizes, down to a fraction of a micro liter.

An internal spring return makes the valves fully adaptable for use with Techcon Systems controllers. A short opening stroke provides extremely fast, positive shut-off. An external stroke control adjustment makes it easy for the operator to fine tune shot sizes. The compact design allows for mounting flexibility and easy integration into automated applications.

The seal-less valve design features excellent moisture sensitive resistance and the incorporated diaphragm creates a barrier between the wetted parts and the air cylinder.

With a choice of UHMWPE (Ultra High Molecular Weight Polyethylene), Delrin® or Teflon® fluid bodies, the TS5620 Series Valve can handle a wide range of industrial fluids.

Key Features & Benefits

- Long cycle life
- Compact size and weight
- Excellent moisture sensitive resistance
- Choice of body for chemical compatibility

Typical Applications

- Dispensing Anaerobic thread locker onto screw threads
- Dispensing Cyanoacrylate in bonding applications
- Applying a of UV lacquer in CD/DVD spin coating applications (using Delrin® fluid housing)
TYPICAL SETUP

SPECIFICATIONS & PART NUMBERS

<table>
<thead>
<tr>
<th></th>
<th>TS5620 Series</th>
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</thead>
<tbody>
<tr>
<td>Size (Imperial):</td>
<td>See drawing</td>
</tr>
<tr>
<td>Size (Metric):</td>
<td>See drawing</td>
</tr>
<tr>
<td>Weight:</td>
<td>See below</td>
</tr>
<tr>
<td>Fluid Inlet Port:</td>
<td>¼&quot; NPT female</td>
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<tr>
<td>Fluid Outlet Port:</td>
<td>Luer lock male</td>
</tr>
<tr>
<td>Aux Air Inlet Port:</td>
<td>10-32 UNF female</td>
</tr>
<tr>
<td>Activation Pressure Range:</td>
<td>70 psi - 90 psi</td>
</tr>
<tr>
<td>Max Fluid Pressure:</td>
<td>(4.8bar - 6.2bar)</td>
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<tr>
<td>Operating Frequency:</td>
<td>70 psi (4.8bar)</td>
</tr>
<tr>
<td>Mounting Port:</td>
<td>400+ cycles/min.</td>
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<tr>
<td>Viscosity Range:</td>
<td>10-32 UNF female</td>
</tr>
</tbody>
</table>

The dispenser is shipped with the following items:
- Mounting bracket kit
- Valve air hose
- Luer lock fluid line
- Fluid inlet fittings - 1/4" compression and Luer lock type
- Dispensing tip selection pack

ACCESSORIES

- **Fluid reservoirs:** The valve can be fed from the TS1254 or TS1258 Pressure Tank, or from any size syringe barrel or cartridge.
- **Dispensing Tips:** For the complete TE dispensing tip offering please visit www.techconsystems.com

For Sales & Support

**Techcon Corporate Headquarters**
10800 Valley View Street, Cypress
California, 90630, USA.
Tel: 1-714-230-2398
E-mail: oemorders@okinternational.com

**Techcon European Corporate Office**
Eagle Close, Chandler's Ford Industrial Estate,
Eastleigh, Hampshire, S053 4NF, UK.
Tel: +44 2380 489 100
E-mail: europe-orders@okinternational.com