Diaphragm Valve 752V Series

General-purpose valve is ideal for dispensing controlled amounts of most low-to medium-viscosity fluids. Wetted components are machined from inert UHMW (Ultra High Molecular Weight) polyethylene, making the 752 Series ideal for use with cyanoacrylates, anaerobic threadlockers and other reactive fluids.

Features and Benefits

- Compact size and weight
- Adjustable fluid flow control
- Positive shutoff, no seals
- Low-maintenance design

Specifications

<table>
<thead>
<tr>
<th>Valve Type</th>
<th>Size: 80.7 mm length x 26.9 mm diameter</th>
<th>Weight:</th>
</tr>
</thead>
<tbody>
<tr>
<td>752V-UHSS</td>
<td>(3.18” x 1.06”)</td>
<td>173.6 g (6.1 oz)</td>
</tr>
<tr>
<td>752V-SS</td>
<td>(3.18” x 1.06”)</td>
<td>181.4 g (6.4 oz)</td>
</tr>
<tr>
<td>752V-DVD</td>
<td>(3.00” x 1.06”)</td>
<td>172.9 g (6.1 oz)</td>
</tr>
</tbody>
</table>

Actuating air pressure required: 70-90 psi (4.8-6.2 bar)
Maximum fluid pressure: 70 psi (4.8 bar)
Fluid inlet thread: 1/8 NPT female
Fluid outlet thread: 1/4-28 UNF
Mounting: (1) 10-32 UNF tapped hole
Cycle rate: Exceeds 500 per minute
Air cylinder body:
- 752V-UHSS: 303 stainless steel
- 752V-SS: 303 stainless steel
- 752V-DVD: Aluminum, hard-coat anodized

Fluid body options:
- Acetal, 303 stainless steel, PTFE
- Piston and piston rod: 303 stainless steel

Tip adapter: Polypropylene
Diaphragm: UHMW polyethylene, FDA approved

For use with:
- Activators
- Anaerobics
- Cyanoacrylates
- Fluxes
- Solvents
- UV-cure & Light-cure Adhesives

BackPack™ Valve Actuator

The BackPack Valve Actuator mounted on 752V Series diaphragm valves improves process control and deposit consistency. Get faster response time without the risk of process variations due to fluctuating plant air supply or varying valve air hose lengths.

- High-speed cycle capability. Cycle rates exceed 60-80Hz
- Actuation speed as low as 5-6 milliseconds
- Smaller deposit size capability due to faster valve actuation speed
- Improves process variation for better dot-to-dot consistency

BackPack is available preinstalled on new valves, or can be ordered separately (#7015581) to retrofit existing valves.

7021428 (752V-UHSS Valve)
Air cylinder body assembly is passivated 303 stainless steel. UHMW fluid body and diaphragm. Includes fluid inlet fittings #7021449 and #7007038.

7021419 (752V-SS Valve)
Air cylinder body assembly is passivated 303 stainless steel. Acetal copolymer fluid body and UHMW diaphragm. Includes fluid inlet fittings #7021449 and #7007038.

7021411 (752V-DVD Valve)
Air cylinder body assembly is hard-coat anodized aluminum. Tamper-resist stroke adjustment. UHMW diaphragm and 303 stainless steel fluid body with integral tip adapter. Includes inlet fitting #7021499.

7021427 (752V-UHDVD Valve)
Same as 752V-DVD except fluid body is UHMW with #7021443 tip adapter. Includes inlet fitting #7021499.

7021285 (750V-SS Valve)
Air cylinder body assembly is 303 stainless steel. UHMW fluid body and diaphragm. Includes fluid inlet fitting #7021300.

7015582 (752V-SS-BP Valve)
Air cylinder body assembly is 303 stainless steel. Acetal copolymer fluid body and UHMW diaphragm. Includes fluid fittings and BackPack valve actuator #7015581.

7015583 (752V-UHSS-BP Valve)
Air cylinder body assembly is 303 stainless steel. UHMW fluid body and diaphragm. Includes fluid fittings and BackPack valve actuator #7015581.

*UHMW—Ultra High Molecular Weight polyethylene