

Series 450 XT Snuff Back Valve

Innovative Valve for Two Component Urethanes



In response to your needs, Nordson EFD has designed and manufactured an innovative dispense valve specifically for two-component urethanes. Since two-component urethanes are moisture sensitive, any contact with air can cure the material, locking up the dispense valve. This production proven design eliminates exposure of wetted shafts to air.

Features

- Uses same manifold and ergonomic handle as standard Series 450 valve.
- A thicker tie plate increases the distance between the lip seals to be more than the stroke length, resulting in extended seal life and less down time.

Advantages

- Easy to Clean: If cross contamination occurs, the manifold can be removed and cleaned without disassembly of the valve body
- Optional Stainless Steel Valve: Recommended for corrosive acrylics or epoxies
- Flush Valve Manifold: For cleaning the mixing nozzle with air or solvent. A check valve is threaded into the side of the manifold.
- Lubricated and Hard Coated Shafts: Lubricated with Nordson EFD Autogrease for moisture sensitive adhesives and hardcoated to resist abrasive adhesives
- Optional Polytuff, PTFE, Viton®, and EP Seals: For varying chemical formulations and abrasive conditions.
- Optional Night Cap & Ratio Check Cap: Available for 1:1 ratio manifolds

| Part # | Description |
|---------|--|
| 7702216 | Alum. Valve, Extended Air Cylinder w/Snuff Back & GT Seals |
| 7702447 | Stainless Steel Valve, Extended Air Cylinder w/Snuff Back & GT Seals |

Ordering Guide

- Valve, manifold, and handle are ordered individually
- Optional swivel base available
- For high back pressure conditions (i.e. over 1,000 psi/69 bar) order a double air cylinder
- Seal Designations: T=PTFE, P=Polyurethane, V=Viton, G=Polytuff

Specifications

- **Weight (Aluminum Valve and Manifold):** 1.6 lbs (0.7 kg)
- **Weight (Stainless Steel Valve and Manifold):** 2.5 lbs (1.1 kg)
- **Pressure Rating:** 3,500 psi (240 bar)



more info



Accessories

Manifolds

| Part # | Components | Ratio | Flow Rate |
|---------|--|-------|-----------|
| 7702221 | Aluminum Manifold | 1:1 | Low Flow |
| 7702222 | Aluminum Manifold with Air/Solvent Flush Valve | 1:1 | Low Flow |
| 7702224 | Aluminum Manifold | Wide | Low Flow |
| 7702451 | Stainless Steel Manifold | 1:1 | Low Flow |

Fluid Inlet Adapter

Elbow adapter is available to connect the material lines to the valve.

Carbon Steel Pipe Adapters

| Part # | Description |
|---------|------------------------------|
| 7702407 | 90° Elbow w/1/4" FNPS |
| 7702414 | 90° Elbow w/1/4" MNPT |
| 7702419 | Straight Adapter w/1/4" MNPT |
| 7702420 | 90° Elbow w/3/8" FNPS |
| 7702425 | Straight Adapter w/3/8" FNPS |
| 7702428 | Straight Adapter w/3/8" MNPT |

Swivel Check Valve Adapters

| Part # | Description |
|---------|------------------------------|
| 7702408 | SS w/Alum. Collar, 1/4" FNPT |
| 7702409 | All SS, 1/4" FNPT |

Repair Kit

| Part # | Description |
|---------|-----------------------|
| 7704092 | 2K Kit 4X0 Repair TFV |
| 7704093 | 2K Kit 4X0 Repair TGT |
| 7704094 | 2K Kit 4X0 Repair TGV |
| 7704095 | 2K Kit 4X0 Repair TPV |
| 7704096 | 2K Kit 4X0 Repair TTT |

Night Cap & Ratio Check Cap

| Part # | Description |
|----------|---------------------------------|
| 7701181 | Night Cap w/Retaining Nut |
| 7701184* | Ratio Check Cap w/Retaining Nut |

*These items are used in conjunction with the 1:1 ratio manifolds

Handles & Base

| Part # | Description |
|---------|--|
| 7701971 | Pistol Grip Handle w/Electric Momentary Switch (24V) |
| 7701973 | Pistol Grip Handle w/Electric Push On/Off Switch (24V) |
| 7701977 | Pistol Grip Handle w/Pneumatic Switch |

Handles/Mounts

Nordson EFD offers electric or pneumatic handles for actuating the air cylinder of the valve. If using an electric handle, a solenoid from an outside vendor is required.

Static Mixers

Mixer selection is critical when it comes to curing two-component adhesives and sealants. EFD offers a wide range of static mixers with different diameters, lengths, geometries, and orifices to meet many different applications.

Retaining Nuts and Jackets

Retaining nuts and jackets are available for all mixers. Nordson EFD recommends using a jacket when the working pressure inside the mixer is greater than 150 psi (10 bar).

Hose Adapters

Elbow adapters are available to connect the material lines to the valve.



For Nordson EFD sales and service in over 40 countries, contact Nordson EFD or go to www.nordsonefd.com.

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