

# Series 450 XT Snuff Back Valve Urethane Dispenser

## 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.

- **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

### 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)



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## Series 450 XT Snuff Back Valves

| Part #                | Component             | Description                                   |
|-----------------------|-----------------------|---|
| 7702216 (450-200HBGT) | Aluminum Valve        | Extended Air Cylinder w/Snuff Back & GT Seals |
| 7702447 (460-200HBGT) | Stainless Steel Valve | Extended Air Cylinder w/Snuff Back & GT Seals |

## Series 450 Manifolds

| Part #               | Component   | Ratio | Flow Rate |
|----------------------|---|-------|-----------|
| 7702221 (450-M160-A) | Aluminum Manifold                                     | 1:1   | Low Flow  |
| 7702222 (450-M160-B) | Aluminum Manifold with Air/Solvent Flush Valve        | 1:1   | Low Flow  |
| 7702224 (450-M160-D) | Aluminum Manifold                                     | Wide  | High Flow |
| 7702226 (450-M160-E) | Aluminum Manifold with Air/Solvent Flush Valve        | Wide  | High Flow |
| 7702451 (460-M160-A) | Stainless Steel Manifold                              | 1:1   | Low Flow  |
| 7702452 (460-M160-B) | Stainless Steel Manifold with Air/Solvent Flush Valve | 1:1   | Low Flow  |
| 7702453 (460-M160-D) | Stainless Steel Manifold                              | Wide  | High Flow |

## Handles & Base

| Part #                  | Component | Description  |
|-------------------------|-----------|--|
| 7701971 (400-MOUNT-E01) | Handle    | Pistol Grip Handle w/Electric Momentary Switch (24V)   |
| 7701973 (400-MOUNT-E02) | Handle    | Pistol Grip Handle w/Electric Push On/Off Switch (24V) |
| 7701977 (400-MOUNT-H01) | Handle    | Pistol Grip Handle w/Pneumatic Switch                  |

## Carbon Steel Pipe Adapters

| Part #                    | Description                  |
|---------------------------|------------------------------|
| 7702407 (451-F2EFNPT-75E) | 90° Elbow w/1/4" FNPS        |
| 7702414 (451-F2EMNPT-75E) | 90° Elbow w/1/4" MNPT        |
| 7702416 (451-F2SFNPT-75E) | Straight Adapter w/1/4" FNPS |
| 7702419 (451-F2SMNPT-75E) | Straight Adapter w/1/4" MNPT |
| 7702420 (451-F3EFNPT-75E) | 90° Elbow w/3/8" FNPS        |
| 7702424 (451-F3EMNPT-75E) | 90° Elbow w/3/8" MNPT        |
| 7702425 (451-F3SFNPT-75E) | Straight Adapter w/3/8" FNPS |
| 7702428 (451-F3SMNPT-75E) | Straight Adapter w/3/8" MNPT |

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## Swivel Check Valve Adapters

| Part #                    | Description                  |
|---------------------------|------------------------------|
| 7702407 (451-F2EFNPT-97C) | SS w/Alum. Collar, 1/4" FNPT |
| 7702409 (451-F2EFNPT-98C) | All SS, 1/4" FNPT            |

## Carbon Steel 37° JIC Adapters

| Part #                   | Description                      |
|--------------------------|----------------------------------|
| 7702411 (451-F2EJIC-75E) | 90° Elbow w/1/4" Male JIC        |
| 7702417 (451-F2SJIC-75E) | Straight Adapter w/1/4" Male JIC |
| 7702421 (451-F3EJIC-75E) | 90° Elbow w/3/8" Male JIC        |
| 7702426 (451-F3SJIC-75E) | Straight Adapter w/3/8" Male JIC |

## Repair Kits

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

## Night Cap & Ratio Check Cap

| Part #                | Description                     |
|-----------------------|---------------------------------|
| 7701181 (165-Cap/01*) | Night Cap w/Retaining Nut       |
| 7701184 (165-RC/01*)  | Ratio Check Cap w/Retaining Nut |

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

## 316 Stainless Steel 37° JIC Adapters

| Part #                   | Description                      |
|--------------------------|----------------------------------|
| 7702413 (451-F2EJIC-98E) | 90° Elbow w/1/4" Male JIC        |
| 7702418 (451-F2SJIC-98E) | Straight Adapter w/1/4" Male JIC |
| 7702423 (451-F3EJIC-98E) | 90° Elbow w/3/8" Male JIC        |
| 7702427 (451-F3SJIC-98E) | Straight Adapter w/3/8" Male JIC |

# Series 450 XT Snuff Back Valve Urethane Dispenser

## Ordering Guide

- Valve, manifold, and handle are ordered individually
- Optional pistol grip handles and swivel base are 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



## Accessories

### ■ 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. EFD also offers a stationary swivel base for applications where mobility is not 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. 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 30 countries, contact Nordson EFD or go to [www.nordsonefd.com](http://www.nordsonefd.com)

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