

# Series 400HF Autovalve

## High Flow Valve



The 400HF valve provides flow rates that are 15-30% greater than the standard 400 valve configuration, without compromising accuracy or consistency. The large  $\frac{3}{4}$ " material inlet ports permit flow rates of 4-5 gallons per minute, depending on pump capability and material viscosity.

### Features

- Dispenses two-component adhesives and sealants
- Dispenses low- to high-viscosity urethanes, epoxies and silicones
- Can be mounted for beads or timed shots; optional handle is available for handheld applications
- Provides an ON-OFF function. The metering of the adhesives in the proper ratio of A:B is controlled by the metering pumps.
- Flow rates of 4-5 gallons/minute, depending on pump and material viscosity
- Materials remain separate until they enter the mixer
- Available in aluminum or stainless steel configurations
- Manual, robotic or stationary operation

### Specifications

#### • Valve

**Size:** 3.3" x 2.5" x 2.3" (132 mm x 63.5 mm x 58.4 mm)

**Body Material:** 6061-T6 Aluminum or 303 Stainless Steel

**O-ring Options\*:** Viton®, PTFE, Ethylene-Propylene (E-P)

**Lip Seal Options\*:** Viton, Polyurethane (PU), PTFE, Polytuff, Ethylene-Propylene (E-P)

\*Repair kits containing a complete set of lip seals and O-rings are available.

#### • Manifold

**Size:** 1.9" x 2.5" x 1.5" (48.3 mm x 63.5 mm x 38.1 mm)

**Material:** 6061-T6 Aluminum or 303 Stainless Steel

**Options:** 1:1 Ratio (with or without solvent port)

Wide Ratio (with or without solvent port)

**Outlet Thread Size Options:** 7/8"-14 (for standard bell mixers);

1 5/16"-12 (for oversized bell mixers)

#### • Weight

**Aluminum Valve and Manifold:** 1.6 lb (0.7 kg)

**Stainless Steel Valve and Manifold:** 2.5 lb (1.1 kg)

#### • Operating Parameters

**Min. Operating Pressure:** 80 psi (5.5 bar)

**Max. Fluid Pressure:** 3500 psi (240 bar)

**Electric Handle Mount Switch:** 24V

Part #	Description
7704105	Alum. Valve, Single Air Cylinder, TGT Seals
7701924	Alum. Valve, Single Air Cylinder, TPV Seals

### 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



more info

## Accessories

### Repair Kit

Part #	Description
7704013	2K Kit 400HF Repair TPV

### Metal Jackets

Metal Jackets are available for all mixers. EFD recommends using it when the working pressure inside the mixer is greater than 150 psi (10 bar).

Part #	Description
7701226	CS Nut / SS Jacket

### Pistol Grip Handles

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.

Part #	Description
7701971	w/Electric Momentary Switch (24V)
7701977	w/Pneumatic Switch

### Retaining Nut

Retaining nut is available for all mixers.

Part #	Description
7026515	Carbon Steel

### 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.

Part #	Element Diameter	# Mixing Elements
7701057	0.784	16
7701059	0.784	23
7701063	0.784	32
7701066	0.784	39
7701067	0.784	48



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