Meter Mix Valves

Series 450 Autovalve

Part #	Description
7702201	Alum. Valve, Single Air Cylinder w/Snuff Back, GT Seals
7702209	Alum. Valve, Single Air Cylinder w/Snuff Back, PV Seals
7702443	Stainless Steel Valve, Single Air Cylinder w/Snuff Back, GT Seals

Specifications

Item		Specification
Valve	Size	83.8L x 63.5W x 58.4H mm (3.3L x 2.5W x 2.3H")
	Body	6061-T6 aluminum or 303 stainless steel
Manifold	Size	48.3L x 63.5W x 38.1H mm (1.9L x 2.5W x 1.5H")
	Material	6061-T6 aluminum or 303 stainless steel
	Outlet thread size options	7/8"-14 (for standard bell mixers) 1 5/16"-12 (for oversized bell mixers)
Valve System	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: 5.5 bar (80 psi) Max. fluid pressure: 240 bar (3500 psi)
	Electric handle mount switch	24V

With meter, mix and dispense systems, the pneumatic Series 450 Autovalve is a durable and reliable valve. In addition, the seals can be adjusted without disassembly of the valve body.

The pneumatic Series 450 Autovalve is similar to the Series 400 Autovalve, except for the shut-off pistons which ensure good control of dot or shot volume. After each shot, the dual pistons retract and “snuff back” material from the end of the mixing nozzle. This feature helps eliminate “after drool.” This valve includes hard-coated and lubricated pistons. It can be used either as a stationary head or hand-held unit.

Features

- 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 Pistons: Lubricated with Nordson EFD Autogrease for moisture sensitive adhesives and hard-coated 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 manifold

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

Nordson EFD

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**
7702420	90° Elbow w/3/8" FNPS
7702425	Straight Adapter w/3/8" FNPS
Swivel Check Valve Adapters	
Part #	**Description**
7702409	All SS, 1/4" FNPT

Repair Kit

Part #	Description
7704093	2K Kit 4X0 Repair TGT
7704095	2K Kit 4X0 Repair TPV

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)
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.

Nordson EFD

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

Global
800-556-3484; +1-401-431-7000
info@nordsonefd.com

Europe
00800 7001 7001
infoefd.europe@nordsonefd.com

Asia
China: +86 (21) 3866 9006; china@nordsonefd.com
India: +91 80 6546 8719; india@nordsonefd.com
Japan: +81 03 5762 2760; japan@nordsonefd.com
Korea: +82-31-736-8321; korea@nordsonefd.com
SEAsia: +65 6796 9522; sin-mal@nordsonefd.com

©2024 Nordson Corporation v111424