Meter Mix Valves

Series 400 Autovalve



Part #	Description
7701895	Alum. Valve, Single Air Cylinder, TPV Seals

With meter mix and dispense systems, the pneumatic Series 400 Autovalve is a durable and reliable valve. The A and B shut off pistons have PTFE seals allowing high flow with minimal maintenance as these seals can be adjusted without disassembly of the valve body. The 9/16-18 fluid inlet ports of the Series 400 Autovalve allow flow rates of 3-4 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 3-4 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

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

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

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Accessories

Manifolds

Part #	Component	Ratio	Flow Rate
7701933	Aluminum Manifold	1:1	Low Flow
7701935	Aluminum Manifold with Air/Solvent Flush Valve	1:1	Low Flow
7701942	Aluminum Manifold	1:1	High Flow
7701946	Aluminum Manifold	Wide	High Flow

Fluid Inlet Adapter

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

Carbon Steel Adapters	
Part #	**Description**
7702420	90° Elbow w/3/8" FNPS
7702425	Straight Adapter w/3/8" FNPS

Repair Kit

Part #	Description
7704093	2K Kit 4X0 Repair TGT
7704095	2K Kit 4X0 Repair TPV
7704013	2K Kit 400HF Repair TPV

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

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
7701124	Alum., Robotic
7701140	Aluminum
7701143	Aluminum
7701163	Aluminum
7701167	Aluminum
7701165	Alum., Robotic
7701171	Aluminum
7701170	Alum., Robotic
7701174	Aluminum
7701203	CS Nut / SS Jacket
7701208	Alum., Robotic
7701210	CS Nut / SS Jacket

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.

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

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