



Electronic Metered High Volume Control Valve

Description

CAUTION

Do not operate this metered valve with diesel oils or an antifreeze and water mixture. Meter will not register properly.

The metered control valve models included in the 3573 series are designed to meter quantities of a variety of fluids. These valve assemblies dispense engine oils, and hydraulic oils. Refer to Service Guide SER 3579 for meter description and operation.



WARNING

Release all pressure within the system prior to performing any overhaul procedure.

- **Disconnect the air supply line from the pump motor.**
- **Into an appropriate container, operate the control valve to discharge remaining pressure within the system.**

Never point a control valve at any portion of your body or another person. Accidental discharge of pressure and/or material can result in personal injury.

Read each step of the instructions carefully. Make sure a proper understanding is achieved before proceeding.

Assembly

Apply thread Sealant to the male threads on the extension (1 or 2).

NOTE: Do not apply thread sealant to the first two (2) threads. Contamination can occur.

Install the Extension into the Electronic Meter Assembly (6). Tighten securely.

Model	Fluid Metered	Extension	Nozzle	Units of Measure (pre programmed)
3573-A	Oil	Rigid	Non-Drip Manual	Gallon
3573-B	Oil	Flexible	Non-Drip Manual	Gallon

Note: All meters are programable for Pints, Quarts, Gallons and Liters.

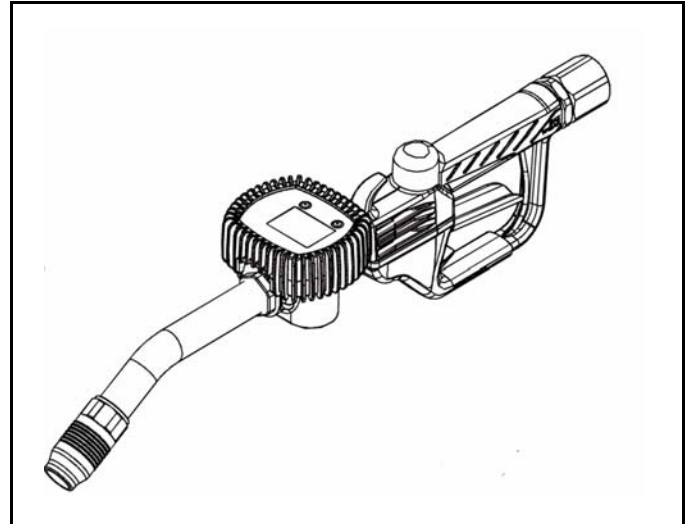


Figure 1 Electronic Metered Control Valve Model 3573-A

Fluid Inlet (Swivel)	3/4" NPTF (f)
Maximum Operating Pressure	1000 psi (70 bar)

Prime and Test

NOTE: Perform the following procedures at an air pressure that allows the pump to begin to cycle. Regulate the amount of air to the pump with a pressure regulator. Should valve leakage occur at anytime, refer to the **Troubleshooting Chart**.

1. Point the control valve into an appropriate collection container.
2. Allow the pump to deliver fluid to the control valve.
 - The control valve should show no leakage nor dispense the fluid.
3. Cycle the control valve Lever Assembly several times.
 - Fluid should flow once air is eliminated from the control valve (and system).

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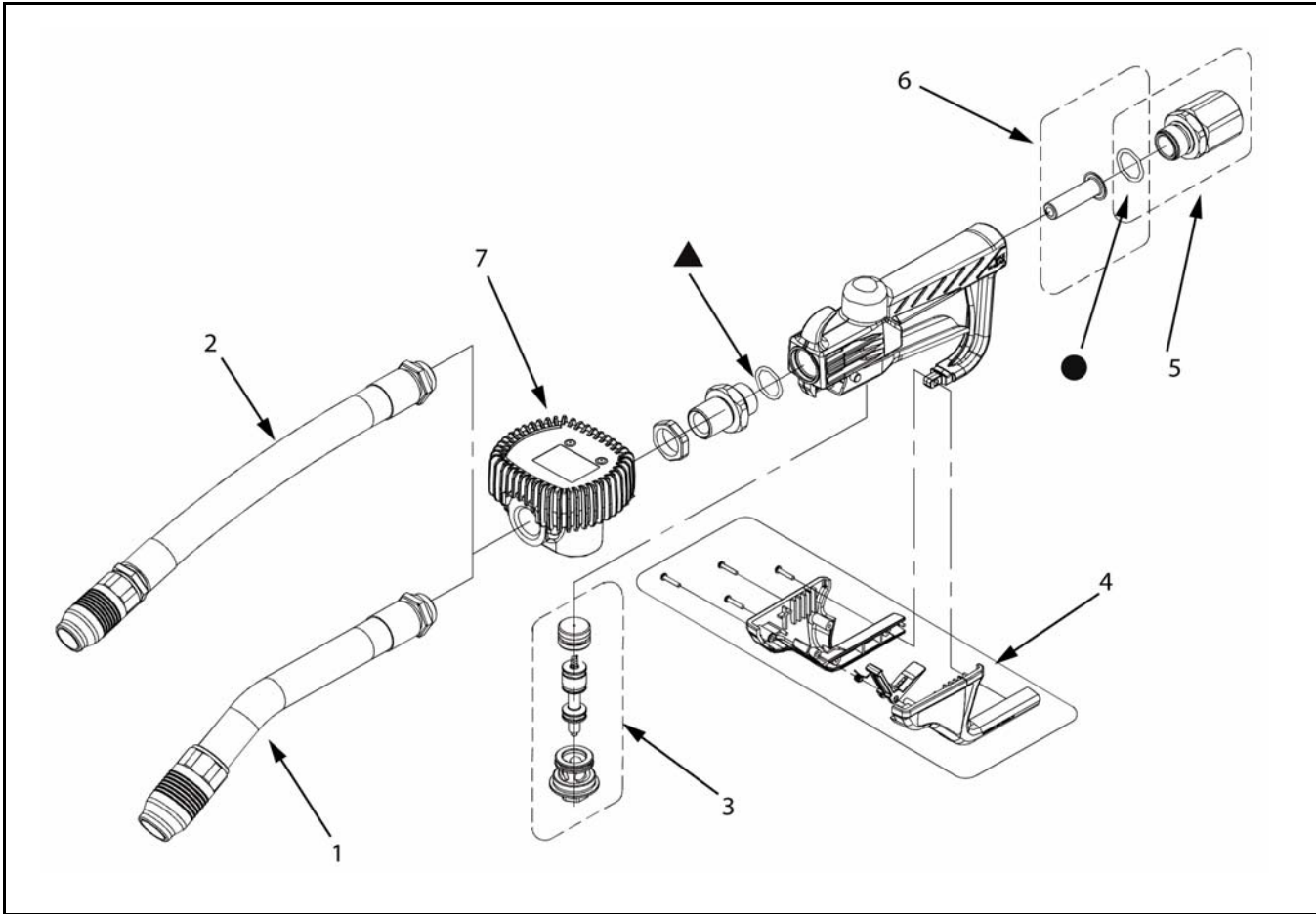


Figure 2 *Electronic-Metered High Volume Control Valve Model 3573 Series - Exploded View*

Item No.	Part No.	Description	Control Valve Model		Qty	Notes
			3573-A	3573-B		
1	393792-1	Extension, Rigid	●		1	
2	393792-2	Extension, Flexible		●	1	
3	393772-14	Kit Valve Seal	●	●	1	
4	393772-13	Kit, Trigger	●	●	1	
5	393792-3	Kit, Swivel	●	●	1	Includes O-Ring (●)
6	393792-5	Kit, Strainer	●	●	1	Includes O-Ring (●)
7	393792-6	Meter, Electronic	●	●	1	
■	393792-4	Kit, O-ring Seals	●	●		Includes O-Ring (▲)

■ O-ring Seals Kit not shown in exploded view, contains all the o-rings

If the control valve does not dispense the fluid, refer to the **Troubleshooting Chart**.

With the Lever in the released position, no fluid should appear at the Nozzle. If product does appear, refer to the **Troubleshooting Chart**.

Should the electronic meter not function properly, refer to Service Guide **SER 3579** for details

The non-drip nozzle opens automatically when fluid is dispensed.

After use, the nozzle should be manually pushed closed to prevent oil drip.

Troubleshooting Chart

Control Valve Indications	Possible Problems	Solutions
Continuous product flow	<ol style="list-style-type: none"> Foreign material on Valve Seal Valve Seal worn or damaged 	<ol style="list-style-type: none"> Disassemble, clean, and inspect seat area. Check mating surfaces and replace Seals as necessary. Locate and eliminate source of foreign material. Use Kit 393772-14
Reduced or zero product flow	<ol style="list-style-type: none"> Metering gears jammed 	<ol style="list-style-type: none"> Overhaul gears in meter
Leakage at front end of Nozzle	<ol style="list-style-type: none"> Nozzle not closed Nozzle damaged 	<ol style="list-style-type: none"> Push nozzle closed Replace Nozzle
Leakage at Extension Assembly	<ol style="list-style-type: none"> Initial tightening not sufficient Thread sealant missing or inadequate 	<ol style="list-style-type: none"> Tighten leaking connection Apply thread sealant* to male pipe threads
* Do not apply thread sealant to the first two (2) threads. Contamination can occur.		

Changes Since Last Printing

