
FMS Pump and Valve Warranty and Replacement Information

All pumps and valves on new equipment are automatically warranted under standard terms for 90 days from date of arrival at the customers' facility. Please see full warranty information in the machine manuals and the provided literature with each spare/replacement pump/valve for further details.

All spare/replacement pumps and valves shipped from Erdman Automation Corp. come with a warranty registration card that must be filled out completely and returned to Erdman Automation Corp. within 10 days of field installation. The standard 90 day warranty will be recorded under the pump serial # and installation date reported on the registration card. Warranty period on pumps and valves that are not registered by the customer begins on the date of shipment from Erdman Automation Corp.

Pumps: Pumps that are subject to warranty return must be accompanied by an RGA # (Return Good Authorization). Please call for an RGA # and verify warranty before shipping any part to expedite the process. Please follow warranty registration procedure on all pumps and valves that are installed in the field.

Pumps that fail outside of warranty period are eligible for a core return credit. Policy is as follows. Before an issue of a purchase order, the customer must call for an assigned RGA # for a failed pump. Upon Erdman Automation Corp. receipt of the assigned item within 30 days of RGA date, the customer will receive a core credit on the purchase of a spare/replacement pump. Rebuilding pumps is not suggested and can not be covered under standard warranty policy. Special circumstances that warrant a request for rebuild will be charged time and materials.

Valves: FMS valves are equipped with a packing seal and can be adjusted in the field to increase usable life. Please see the engineering update in the manual for more technical information

Standard valves have an available rebuild kit designed for customer installation. Please consult a parts representative for details.

FMS and standard valves that are returned to Sash Systems/EAC may be cleaned and rebuilt and will be charged time and materials per job. Any valve returned without proper packing procedures may incur additional charges.

FMS Nozzle block:

The nozzle block on all FMS systems is a reusable component. It should not be returned to Erdman Automation Corp. unless under special circumstance. During normal replacement of the pump or valve, the nozzle block can be immediately reinstalled. If the nozzle block is removed and exposed to atmospheric conditions for an extended period, all ports must be covered with high temperature grease to minimize curing or contamination of material. Nozzle blocks that are returned to Erdman Automation Corp. will be examined and determined usable on an individual basis and may incur additional costs.

The above information and procedures have proven to be an effective system to ensure quality products to our customers. Proper warranty documentation has helped Erdman Automation Corp. in providing consistent and quality parts as well as troubleshooting issues the customer may have in the field. Please call the office and ask for a parts representative if you have any questions or comments regarding any of the information provided.

PARTS ORDERS

When placing an order, please provide EAC with the following information:

- *Machine Serial Number (located on machine & cover of manual)*
- *Item/Part Number & Description*
- *Bill to/ Ship to Information*
- *Contact/ Attn to, Name & Number*
- *Purchase order Number or Visa/MasterCard Information*

EAC requires a minimum of \$75.00 on all Parts Orders

☞ Regarding the EACypump™: Send us your old Fluid Meter (commonly called a pump) and we will credit your account with a \$214.00 core on the purchase of a new Fluid Meter. The new program gives you the advantage of a warranted Fluid Meter tested on our new automated “run in process”, complete with any design changes.

-Fluid Meter Standard Body MP	\$2151.94
-FMS Meter Q3/ Q4	\$1614.60
-Fluid Meter Long Body w/ Indexing Nozzle	\$2991.00

EAC has determined a Core Return deadline of 30 days after shipment of your new EACypump™. A Core Return number will be issued to you upon receipt of your Order. This number will appear on your Order Confirmation and Packing Slip. Please be sure to reference this number when sending your core back to EAC. Please send all Core Returns to Attention: Jolene Erdman

☞ K-Series Pumps

-K Series Fluid Pump BAS30-98	\$6030.00
-K Series Fluid Pump KH1-6-14H	\$2554.00
-K Series Poly Seal (tef.) For BAS30-98	\$54.00 each
-K Series Poly Seal (tef.) For KH1-6-14H	\$36.00 each

☞ Regarding the EACyflo™ Valve: Because of the ease of maintenance in the field, we believe it is to our customer’s advantage to offer a number of options.

Option 1:

-Valve Cold Applied, Teflon Seals, Standard Body	\$995.00
-Valve Hot Applied, Teflon seals, Standard Body	\$995.00
-Valve Cold Applied, Teflon Seals, Modified Body	\$1064.59
-Valve Cold Applied, Shear Valve, Standard Body	\$1433.55
-FMS Valve	\$1055.00

- 90 day warranty included

Option 2:

-EFV-2000-CK1, Valve rebuild kit for Viton valve	\$339.85
-EFV-2000-CK3, Valve rebuild kit for Teflon valve	\$339.85
-EFV-2000-CK4, Valve rebuild kit for Shear valve	\$559.85
-504TK1, Installation tool kit for Teflon & Shear valve	\$88.88 (One Time Purchase)
• Assembly instructions included	

★ *Warranty is not available on rebuild kits*



EACypump Fluid Meter and EACyflo Valve:
Instruction for removal and installation

1. Shut off the air to the extrusion pump and purge the remaining air pressure in the sealant hose by using the Purge Button on the controls cabinet of the machine.
2. When all the pressure has been depleted from the sealant supply hose, shut off and disconnect the air to the machine and extrusion pump. Turn off the power and disconnect the supply cord to the machine controls cabinet.
3. Have a supply of rags or paper towels handy to clean up any excess adhesive.
4. Disconnect and cap the main sealant supply hose from the existing fluid meter or valve. *Note: Parts and/or fittings that are disconnected and exposed to air for more than 15 minutes should be sealed to prevent curing that can cause malfunction or damage to sensitive components.*
5. Mark the placement of air supply lines to the cylinder on the existing valve and disconnect. (On heated units, mark placement of thermal couples and heater elements on both fluid meter and valve to assure proper installation on new unit.)
6. When replacing both fluid meter and valve, complete initial fluid meter and valve assembly as it appears on your machine before removing old unit. When only replacing fluid meter or valve, take note of assembly orientation before removing old unit and assembly accordingly.
7. Fluid meter and valve assemblies are mounted to the gearbox using a variety of mounting plates. It may be easier to remove a portion of the mounting assembly with the fluid meter so take a moment to find the best method of removal. Pull the fluid meter away from the gearbox, making sure to note the placement of the spider gear for installation on the new fluid meter. Transfer any portion of the mounting assembly to the new fluid meter if needed.
8. Remove the Coupling on the old fluid meter shaft by loosening the setscrew and place it on the new fluid meter shaft. (Repeat this step for nozzle coupling on long body style fluid meters.) Do not tighten the setscrew(s) at this time. Hold the spider gear in place on the gearbox coupling, while positioning the new fluid meter. When the fluid meter is in position, tighten the setscrew on the fluid meter side coupling. Replace the socket head bolts on the mounting assembly and tighten.



9. Reconnect the air supply lines to the cylinder on the new valve and install thermal couples/heater elements to fluid meter/valve, if applicable.
10. Make sure the valve fitting on the main sealant supply hose is free and clear of any debris. If not, wipe clean and attach to the new valve. Check all bolts and fittings for tightness.
11. Plug in the power cord and apply power to the machine, this will allow the machine to come up to operating parameters. Plug in the air supply lines to the machine and to the extrusion pump. Apply air pressure to both.
12. Purge the system, using the Purge Button on the control cabinet. Repeat the purging process until all the oil and air is out of the new fluid meter and valve assembly.
13. If the fluid meter is being returned to EAC as a core return, tape over the ports or use the plugs. Packing slip should include Return Goods Authorization # to assure core return credit to your account. (If the replacement fluid meter was not assigned an RGA#, or was a spare from your inventory, please call EAC at (763) 389-9475 to be assigned an RGA#.

Pump and Valve Rebuild Program

10/09/12

Erdman Automation Corp. reserves the right to refuse to rebuild any pump or valve at any time. It is completely up to our discretion what pumps and valves we rebuild.

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| • Valve Rebuild | \$579.00 |
| • Pump Rebuild on MP Pumps Only | \$995.00 |
| • Clean, Inspect and Install New Seals | \$500.00 |

Rebuild pumps and valves will be under the Erdman 90 day warranty from date of shipment. The warranty will apply only to fluid metering components in applications approved by EAC. All exchange must be returned to EAC for proper technical dissection and analysis. A return goods authorization number (RGA #) is required as well as the machine serial number from which the components were removed.

Procedure for preparing pump for shipment:

1. Disconnect the valve
2. Remove the nozzle
3. If pump is heated, leave heaters on
4. Install grease zerk on valve side of pump
5. Shut down machine power
6. Pump grease into pump until all sealant is purged from pump
7. Remove grease zerk
8. Cap both ports of the pump
9. Remove pump from machine
10. Remove drive coupling from pump
11. Tag pump for proper shipment, along with information on what sealant was used, and reason pump was sent back for rebuild. E.g.: It was not metering correctly, a seal failed, etc.

Procedure for preparing valve for shipment:

1. Valve needs to be sealed, and tagged for proper shipment following the same guidelines as set for pump.

*We do not rebuild hot melt valves because of aluminum housing.

*If valve is leaking around packing nut, instead of sending valve in for rebuild, please refer to packing nut instruction sheet, and perform maintenance.



EACypump and EACyflo Valve:
ENGINEERING UPDATE NOTICE

Recent advancements in the EacyFlo Valve have brought a need for technical memo illustrating proper adjustments of Erdman Standard Packing Gland Valves. The reason for the design change to a Packing Gland Nut style is to ensure longer life and cleaner – leak free operation. This memo will explain proper maintenance of Packing Gland valves. Failure to follow procedure may result in valve failure/damage.

1. Clean all seepage or migrated sealant from Poppet Rod & Gland Nut.
2. Actuate valve to check proper operation before adjustments are made.
3. Make a single 60 deg turn to gland nut to compress Teflon o-rings.
4. Monitor adjustments made after 24 hours. If migration has not stopped, repeat step 3 – check again in 24 hours.

