

REPLACEMENT PART NUMBERS

Type	Part Number	Note
R120 Coil Assy	5429W-ASM-120/60	uses 120V/60Hz with C-40 connector
CSA Coil Assy, 120/60	5429W-ASM-120/60-CSA	uses 120V/60Hz with DIN connector same assy as CSA
Coil Assy, 240V/60Hz	5429W-ASM-240/60	
CSA Coil Assy, 240/60	5429W-ASM-240/60	
Coil Assy, 230V/50Hz	5429W-ASM-230/50	Europe, Far East
Coil Assy, 24V/60Hz	6198W-ASM-024/60	
Coil Assy, 12 VDC	5429W-ASM-012DC	Consult factory
Coil Assy, 24 VDC	5429W-ASM-024DC	
DIN Connector	5443	
DIN Connector w/LED	5444	120 volt LED
C-40 Connector	6353	Full wave rectifier
C-40 Connector w/LED	6354	Full wave rectifier & 120 volt LED
Cap nut	4456	
Gasket	4664EP	
O-Ring #018	0018EP	
O-Ring #017	0017EP	

(Each coil assembly above includes the molded coil, cap nut, two O-rings, gasket and connector.)

PLAST-O-MATIC
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Type W20 Solenoid Coil for EASM, EASYM, THP, TUC, SPC or EUC INSTALLATION & MAINTENANCE INSTRUCTIONS

IMPORTANT - BEFORE INSTALLING

Type W20 (20 watt) watertight (NEMA 4X) solenoid coils are designed to be used with Plast-O-Matic solenoid valves. These coils can replace general purpose (type G20) coils. In order to replace explosion proof coils (type E20), the core tube on the valve must also be replaced at the factory.

COIL RATINGS AND SPECIFICATIONS

Insulation Class	F
Watts	20
Inrush VA	107 AC only*
Holding VA	46 AC, 23 DC*
Current (amps)	VA rating divided by the supply voltage*
	* R120 coils are 46 VA inrush and holding (0.38 amps)
Max. Amb. Temp.	95°F (35°C) at continuous duty cycle
	122°F (50°C) at 50% duty cycle
Coil Surface Temp.	245°F (118°C)
Enclosure	NEMA 4X
Exposed Materials	Polyester, Nylon, EPDM, Nitrile, Stainless Steel
Connector Type	DIN 43650/ISO 4400 Form A ½" conduit thread

Coils will operate up to 15% over or under the nominal voltage. However at voltages over nominal the ambient temperature rating is reduced due to excess heating, and at voltages below nominal the valve pressure ratings are reduced by 2% per each 1% voltage drop.

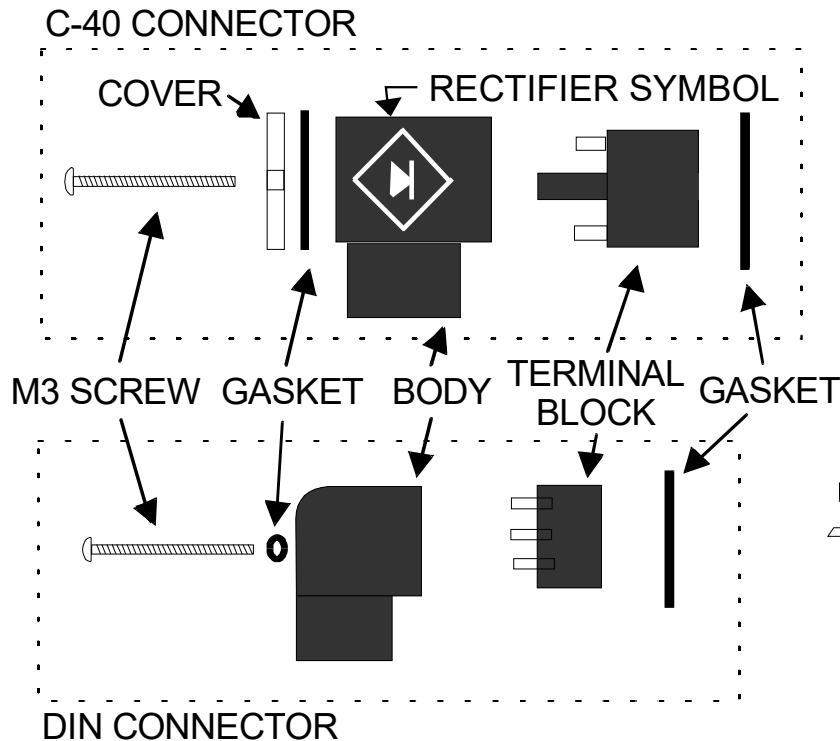
Refer to the valve rating plate or instruction sheet for valve ratings and specifications. Consult our Technical Support when further information is needed.

INSTALLATION INSTRUCTIONS

WARNING - C-40 connectors supplied with R120 coils can not be used with other coil types. Plast-O-Matic supplies each valve and replacement coil with the proper connector. You must use the connector supplied with the coil, or damage may result.

CAUTION - Electrical wiring shall be performed by competent persons in accordance with all national and local codes. Three wire (single phase grounded) connection is required. A threaded connection to the connector, and all gaskets, are required to be installed to maintain the NEMA 4X rating.

1. Assemble as shown below on the valve core tube. The coil can be rotated to any convenient position.
2. Tighten the cap nut firmly BY HAND ONLY.



WIRING — Check voltage marking on coil before proceeding. The following is written for three wire power cord, adjust as needed for other wiring types. A small screwdriver is required. Wiring can be done before or after installing the coil or valve.

1. Remove the M3 screw from the connector
2. Insert a small bladed screwdriver into the slot on the face of the connector. Disassemble the connector to expose screw terminals
3. Rotate the terminal block 90° if needed, so that when assembled to the coil and valve, the cord will lay in a convenient position.
4. Push the cord through the cord grip and connector body.
5. Strip the cord jacket 1 ¼".
6. Cut back ½" on wires not reaching the far end of the terminal block.
7. Strip insulation about ¼" on each wire.
8. Connect the ground wire to the ground terminal, and single phase power to terminals 1 and 2.
9. Pull the cord to reassemble the connector.
10. Assemble the connector as shown below to the coil.

