CAUTION

1. PRESSURIZED DEVICES
This equipment is a pressure containing device.
- Do not exceed maximum operating pressure.
- Make sure equipment is depressurized before working on or disassembling it for service.

2. ELECTRICAL
This equipment requires electricity to operate.
- Install equipment in compliance with national and local electrical codes.
- Standard equipment is supplied with NEMA 4 electrical enclosures and is not intended for installation in hazardous environments.
- DISCONNECT POWER SUPPLY TO EQUIPMENT WHEN PERFORMING ANY ELECTRICAL SERVICE WORK.

I. GENERAL
Description: The Automatic Electric Drain is an electrically operated solenoid valve. The valve is controlled by a solid state electronic timer that can be programmed within the following limits:
Valve Open Time: Minimum 1.0 second
   Maximum 15 seconds
Valve Closed Time: Minimum 1.0 minute
   Maximum 45 minutes

The valves can be used to discharge collected liquids from receivers, separators, drip legs, dryers, filters and other pneumatic equipment. They can also be used for other gas and liquid applications requiring periodic flow for a preset time period.

II. INSTALLATION
A. Preparation: Remove inlet and outlet thread protectors.
B. Location: Do not install where ambient temperatures are greater than 120°F (48.8°C). Make sure the electrical enclosure is sufficient for the operating environment.
C. Physical Arrangement:
   Drain may be installed in any position (upside down or at any angle). Inlet/outlet connections are adjustable 360°. Solenoid coil is adjustable 180°. Cord set is adjustable 360°.
D. Piping:
   1. Flow direction: Install so that flow direction is in the direction of the arrow stamped on the valve.
   2. Use pipe sealant or teflon tape when installing piping into inlet/outlet valve ports
   3. When used as a condensate discharge valve, follow these instructions:
      a. Inlet piping: The inlet pipe to the valve should not be smaller than the inlet connection so that flow is not restricted. A strainer to protect valve from heavy particulate contamination and an isolation valve for ease of valve servicing may be added to the piping ahead of the valve.
      b. Outlet piping: Piping may run from the outlet connection to an adequate sump or floor drain. Make sure the line to drain is not obstructed.
      (NOTE: Liquid discharge is at system pressure and may require that the line be anchored.)
E. Electrical Connections:
   1. Power supply: Make sure that power supply matches power requirements of valve.
   2. A six foot, three-wire grounded power cord is supplied.

III. OPERATION
A. Programming Timer
   1. Valve open time: Valve open time is in seconds. To set "valve open" time, move slot on left hand knob to align with desired valve open time.
   2. Valve closed time is in minutes. To set "valve closed" time (time between Drain cycles), move slot on right hand knob to align with desired valve closed time.
It is the policy of OMEGA Engineering, Inc. to comply with all worldwide safety and EMECEI regulations that apply. OMEGA is constantly pursuing certification of its products to the European New Approach Directives. OMEGA will add the CE mark to every appropriate device upon certification.

The information contained in this document is believed to be correct, but OMEGA accepts no liability for any errors it contains, and reserves the right to alter specifications without notice.

WARNING: These products are not designed for use in, and should not be used for, human applications.

WARRANTY/DISCLAIMER

OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of 13 months from the date of purchase. OMEGA'S WARRANTY adds an additional one (1) month grace period to the normal one (1) year product warranty to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product.

If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA'S Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA'S WARRANTY does not apply to defects resulting from any action of the purchaser, including, but not limited to, mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion, or current, heat, moisture or vibration, improper specification, misapplication, misuse, or other operating conditions outside of OMEGA's control. Components in wear which are not warranted, include but are not limited to contact points, fuses, and fuses.

OMEGA is pleased to offer suggestions on the use of its various products. However, OMEGA neither assumes responsibility for any errors or omissions nor assumes liability for any damages that result from the use of its products in accordance with information provided by OMEGA, either verbal or written. OMEGA warrants only that the parts manufactured by the company will be specified and free of defects. OMEGA MAKES NO OTHER WARRANTIES OR REPRESENTATIONS OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED, EXCEPT THAT OF TITLE, AND ALL IMPLIED WARRANTIES INCLUDING ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. LIMITATION OF LIABILITY: The remedies of purchaser set forth herein are exclusive, and the total liability of OMEGA with respect to this order, whether based on contract, warranty, negligence, indemnification, strict liability or otherwise, shall not exceed the purchase price of the component upon which liability is based. In no event shall OMEGA be liable for consequential, incidental or special damages.

CONDITIONS: Equipment sold by OMEGA is not intended to be used, nor shall it be used: (1) as a "Basic Component" under 10 CFR 21 (IN), used in or with any nuclear installation or activity, or (2) in medical applications or used on humans. Should any Product(s) be used in or with any nuclear installation or activity, medical application, used on humans, or misused in any way, OMEGA assumes no responsibility as set forth in our basic WARRANTY/DISCLAIMER language, and, additionally, purchaser will indemnify OMEGA and hold OMEGA harmless from any liability or damage whatsoever arising out of the use of the Product(s) in such a manner.

RETURN REQUESTS / INQUIRIES

Direct all warranty and repair requests and inquiries to the OMEGA Customer Service Department. BEFORE RETURNING ANY PRODUCT(S), OMEGA MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'S CUSTOMER SERVICE DEPARTMENT IN ORDER TO AVOID PROCESSING DELAYS. The assigned AR number should then be marked on the outside of the return package and on any correspondence.

The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR WARRANTY RETURNS, please have the following information available BEFORE contacting OMEGA:
1. Purchase Order number under which the product was PURCHASED;
2. Model and serial number of the product under warranty, and
3. Repair instructions for specific problems related to the product.

FOR NON-WARRANTY REPAIRS, consult OMEGA for current repair charges. Оне сопутствие all available BEFORE contacting OMEGA:
1. Purchase Order number to cover the COST of the repair, and
2. Model and serial number of the product, and
3. Repair instructions for specific problems related to the product.

OMEGA's policy is to make running changes, not model changes, whenever an improvement is possible. This affects our customers the latest in technology and engineering.

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