



PRG200 Series Pressure Regulators



INSTRUCTION
SHEET

M-4806/0111

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INSTALLATION

The Omega Engineering Inc.'s Precision Pressure Regulator is designed for air service only. The maximum supply pressure is 50 PSI on the PRG200-25 and 150 PSI on all other PRG models. The control range is indicated on the label. A filter (5 micron is recommended) should be installed ahead of the regulator to prevent foreign matter in the air line from affecting the performance of the regulator. If an air line lubricator is used it should be located downstream beyond the regulator. Clean all air lines thoroughly to remove dirt and scale. Apply a small amount of compound to the male threads only and install the regulator so that flow is in accordance with the IN and OUT ports. Make sure all connections are right and that the exhaust vents in the side of the regulator are not blocked shut. The regulator can be mounted in any position without affecting its operation. FOR PANEL MOUNTING, THE PANEL MOUNTING NUT SHOULD BE TIGHTENED WITH A TORQUE OF 60 IN LBS. A pressure gauge may be attached to the regulator by removing the gauge port plug. NOTE: Repeated cycling of supply pressure may cause increased leakage and premature product failure.

OPERATION

Back off the pressure adjusting knob before putting the regulator into operation initially. Turn on the supply pressure slowly and then turn the adjusting knob until the desired output pressure is reached. It is recommended that the supply pressure be at least 5 PSI more than the regulated pressure. Since this instrument utilizes an air bleed servo-control action, a slight sound of escaping air may be heard in the area of the bleed screw. This is normal and is required for the precise control which this regulator offers.

MAINTENANCE

Occasional attention may be required due to the accumulation of foreign matter in the instrument. If gauge readings appear to fluctuate without cause this usually indicates that the bleed screw requires cleaning. This can be done by merely removing it from the body and cleaning both the screen and the bleed screw. Make sure that no foreign matter is plugging the small orifice in the tip of the screw. If further attention is required repair kits and replacement parts may be purchased.

WARNING: These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under Specifications. Before using these products with fluids other than air, for non-industrial applications, life-support systems, or other applications not within published specifications, consult Omega Engineering Inc.



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It is the policy of OMEGA Engineering, Inc. to comply with all worldwide safety and EMC/EMI 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 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 which wear is not warranted, include but are not limited to contact points, fuses, and triacs.

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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 (NRC), 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/inquiries to the OMEGA Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER 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 and/or specific problems relative to the product.

FOR **NON-WARRANTY** REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:

- 1. Purchase Order number to cover the COST of the repair,
- 2. Model and serial number of the product, and
- 3. Repair instructions and/or specific problems relative to the product.

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