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HPP-100 and HPP-VAC

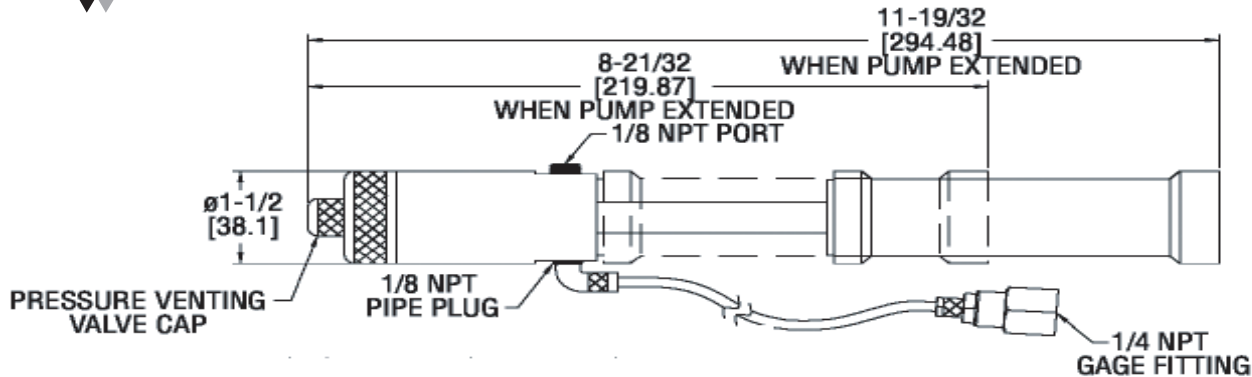
Handheld Pumps



INSTRUCTION
SHEET

M4672/0508

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Omega's HPP-100 low pressure and HPP-VAC vacuum model pneumatic hand pumps are the most dependable and rugged pump for applications up to 100 psi or 28.8" Hg Vacuum. The Delrin and anodized aluminum construction prevents body heat transfer, resulting in drift-free, accurate readings. The pump is equipped with oversized check valves in order to provide smooth and controlled operation. Dual O-Rings on all pistons ensure the pump to be leak-free. The unit includes a 2 foot long hose, 1/8 female NPT gauge fitting, and 1/8 NPT pipe plug. An optional hose kit is available so that a tee is not required when connecting a sensor and a calibrator. This pump is ideal for checking calibration of pressure or vacuum gauges, switches, or transmitters.

SPECIFICATIONS

Output Range: HPP-100: 0 to 100 psi, HPP-VAC: 0 to -28.8 In Hg.

Process Connection: Two 1/8" female NPT parts, one with a removable plug.

Materials: Delrin and anodized aluminum.

Pressure Limit: 150 psig.

Temperature Limit: Not to exceed 150°F.

Displaced Volume: Approximately 4 in³.

Dimensions: 229 mm long x 38 mm diameter (9" x 1.5").

Weight: 680 g (1.5 lbs).

OPERATION

Pressure Venting Valve Cap:

The small, knurled pressure relief knob relieves pressure from the pump. Turning the knob counterclockwise allows the system to vent in increments as small as 0.01" of H₂O. Do not over tighten the valve. See Figure

CAUTION

INSURE ALL GAUGES AND INSTRUMENTS TO BE CALIBRATED ARE DISCONNECTED FROM PROCESS PRESSURES BEFORE CONNECTING PUMP. THE MAXIMUM PUMP DESIGN PRESSURE IS 150 PSIG. CONNECTION TO A PRESSURE SOURCE GREATER THAN 150 PSIG COULD CAUSE SERIOUS INJURY.



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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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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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