MODEL A-396A CALIBRATION PUMP

Specifications – Installation and Operating Instructions

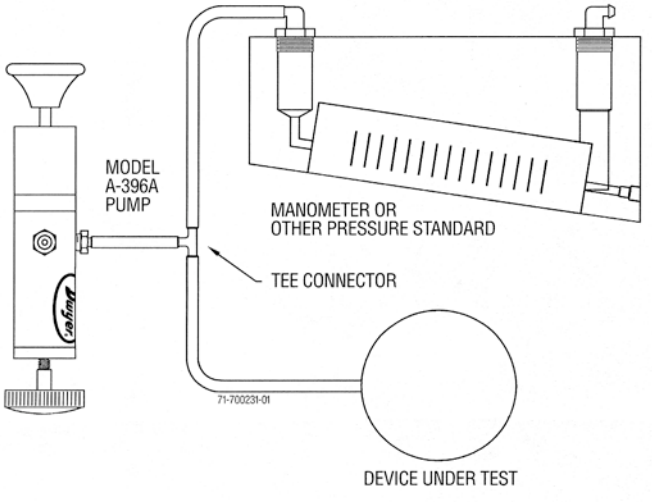

FIGURE A

PHYSICAL DATA

Working Pressure: 72 psi (5 bar).

Working Temperature: –20°F to 120°F (–29°C to 49°C).

Displaced Volume: approximately 1.2 in^3 (20 cm^3) with 3/64″ (1 mm) thread revolution (turn).

Output Connection: 1/8″ NPT(F).

Overall Dimensions: 7⅞″ (20 cm) length, 1⅜″ (3.5 cm) diameter.

Weight: 14 oz (400 g).

INSTALLATION

CAUTION: Do not over tighten the fitting. Damage to the threads in the cylinder or interface with moving parts inside the cylinder may result.

Connect the calibration pump to both the manometer (or other pressure standard of your choice) and the device to be calibrated, by means of a tee connector as shown in Figure A. Low pressure tubing is provided. To maintain pressure integrity, the use of Teflon® tape to seal the pipe threads is recommended. Referring to Figure B, close the vent valve (1). Holding the pump body in one hand and grasping the pump tee handle (2) in the other hand, gently pump until the desired pressure is obtained. Fine adjustment of the pressure can be achieved by turning the vernier knob (3) clockwise to increase pressure and counter-clockwise to decrease pressure. If the desired calibration pressure is less than a few inches of water column, use only the vernier knob (3) to achieve the desired calibration pressure. After the calibration test is complete, open vent valve (1) to release the pressure.

NOTE: For pressures above 40 psi, use a 1/8″ NPT(M) compression fitting and appropriately sized rigid tubing (not included) in place of barbed fitting and flexible tubing.

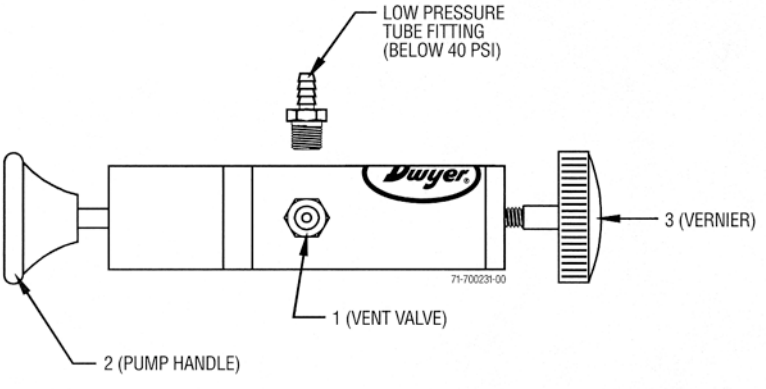

FIGURE B

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