MODEL A-396A CALIBRATION PUMP

Specifications – Installation and Operating Instructions

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 in³ (20 cm³) with 3/64" (1 mm)
thread revolution (turn).
Output Connection: 1/8" NPT(F).
Overall Dimensions: 7/16" (20 cm) length, 1 7/8" (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) clock-
wise to increase pressure and counter-clockwise to decrease pres-
sure. 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) compres-
sion fitting and appropriately sized rigid tubing (not included) in
place of barbed fitting and flexible tubing.