

How to Prime the Test Pump

Before you connect the Pump to the Unit Under Test (UUT), the Pump must be filled with fluid and primed for use. Follow the directions below to prepare the Pump for use.

1. Fill the Pump with fluid:
 - a. Remove the Reservoir Filler Cap (item ⑧.)
 - b. Fill the Hydraulic Fluid Reservoir approximately two-thirds full (66 cc) with distilled water, mineral oil, or hydraulic oil.

Note

If water is used in the Pump, use only DISTILLED water and drain the water out of the Pump after use.

- c. Install the Reservoir Filler Cap (item ⑧.) Tighten by hand.
2. Prime the Pump:
 - a. Adjust the Vernier Fine Adjustment Knob (item ④) to the approximate middle-range.
 - b. Turn the Pressure Bleed Knob (item ⑨) clockwise until it stops in the full closed position.
 - c. Squeeze the handles together to pump fluid. Pump fluid until fluid shows at the Pump Port.
 - d. Attach the fluid hose to the Pump.
 - e. Squeeze the handles together until fluid shows at the end of the hose.
 - f. Attach the fluid hose to the Unit Under Test (UUT) and squeeze the Pump handles until pressure increases.
 - g. Bleed the trapped air from the Pump. Pressurize the Pump to 1,000 psi then slowly turn the Pressure Bleed Knob (item ⑨) counter-clockwise to release pressure.

Notes

- *As the pressure rises it will be hard to squeeze the handles together. Use the Handle Limiter (item ⑦) to limit the travel of the handles which will make them easier to squeeze together. To toggle the Handle Limiter on or off, squeeze the handles together and push the Handle Limiter (item ⑦) in or out.*
- *The rate at which the pressure increases is directly related to the test configuration (hose length and volume of UUT.)*

Replacement Parts

Rebuild Kit, Fluke PN 4097836

Hydraulic Fluid Reservoir Rebuild Kit, Fluke PN 2844341

Handle Assembly Rebuild Kit, Fluke PN 2844352

LIMITED WARRANTY AND LIMITATION OF LIABILITY

This Fluke product will be free from defects in material and workmanship for one year from the date of purchase. This warranty does not cover fuses, disposable batteries, or damage from accident, neglect, misuse, alteration, contamination, or abnormal conditions of operation or handling. Resellers are not authorized to extend any other warranty on Fluke's behalf. To obtain service during the warranty period, contact your nearest Fluke authorized service center to obtain return authorization information, then send the product to that Service Center with a description of the problem.

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Fluke-700HTP-2

Hydraulic Test Pump

Instruction Sheet

Introduction

The Fluke 700HTP-2 Hydraulic Test Pump (the Pump or Product) is a portable source of high pressure.

Safety

⚠ Warning

To prevent personal injury, use the Product only as specified, or the protection supplied by the Product can be compromised.

Pump Specifications

- Maximum pressure: 10,000 psi (690 bar)
- Hydraulic media: distilled water, mineral based hydraulic oil, or up to hydraulic oil 100 (30 W).
- Wetted materials: 303 stainless steel, aluminum, polyurethane, PTFE, nitrile, and nylon.
- Weight: 1.29 lb (0.58 kg)
- Dimensions: length 9.5 in (241 mm), width 6.1 in (155 mm), depth 2.6 in (66 mm)

Box Contents

- Model 700HTP-2 Hydraulic Test Pump with a 1/4-inch NPT tee installed.
- Two 1/4-inch NPT male to 1/4-inch BSP female adapters.
- One 1/4-inch NPT male to 1/4-inch NPT male fitting.
- One 1/4-inch NPT male to 1/8-inch NPT male fitting.
- Instruction Sheet

