Fill Kit Procedure for E-DWT

P/N 3462475

Instruction Sheet

Fill kit for E-DWT, P/N 3462475, includes:

DESCRIPTION	QTY	PART NO.
Aluminum Handheld Vacuum Pump	*1*	*3461640*
Fluid Reservoir Kit, 4.5 OZ	*1*	*3461657*
Tubing, 1/4" Id, 3/8" OD	*2x5 cm*	*3516775*
Tubing, Pfa,1/4" OD	*20 cm*	*3232378*
Hose Clip	*4*	*3516418*
Elbow, 1/4 Push-In X 10-32unf	*1*	*3142691*
Slide Valve, Knurled Sleeve, Brass	*1*	*3461907*
10-32 Hex Extension Adapter, 2 In Length, Brass	*1*	*3461706*
O-Ring, Fluorocarbon (Fkm), Brown	*1*	*3461714*

Introduction

This kit is a tool to completely fill the E-DWT-H internal test volume with liquid test fluid, and minimize residual air in the system.

Assembly

The fill kit is shipped partially assembled. To complete assembly, connect as shown in Figure 1 by sliding the 3/8" tubing onto the reservoir ports and 1/4" tubing and secure with the hose clips included in the kit. The clips can be initially closed by hand, then tightened using pliers. The tubing will slide onto the barbed connection tightly without a hose clip.

Procedure

❶ ***Plug the E-DWT-H test ports: Use the provided DH500 plugs to plug both of the DH500 female test ports on top of and on the rear of E-DWT-H.***

❷ ***Open the reservoir and test shut off valves: Turn both valve handles on the E-DWT-H front panel counter-clockwise.***

❸ ***Turn the E-DWT-H variable volume handle clockwise until it stops.***

Figure 1: *E-DWT-H Fill Kit, Assembled*

❹ ***Set the range set valve to the Lo Q RPT.***

❺ ***Remove the reservoir lid (shown removed in Figure 2):***

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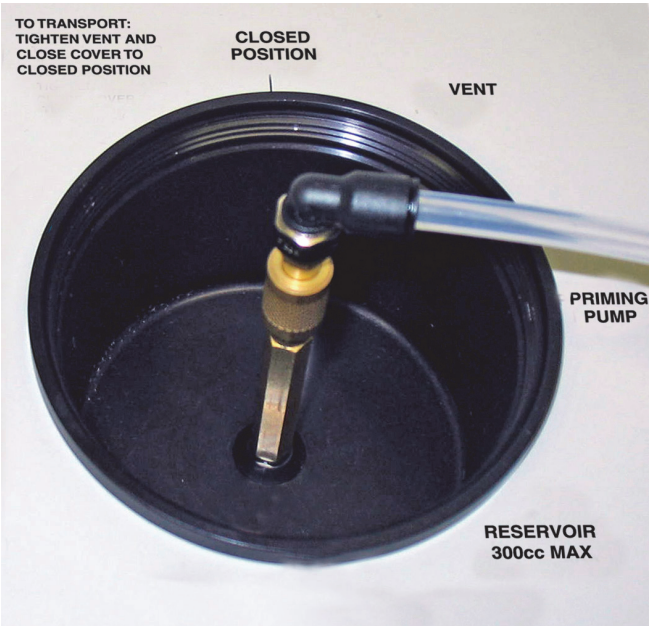

Figure 2: ***Fill kit connected to reservoir port***

❻ ***Thread the brass standoff into the port at the bottom of the reservoir.***

❼ ***Open the slide valve by sliding the shuttle up: Valve operation is UP-OPEN and DOWN-CLOSED when the kit is in the orientation shown in Figure 1.***

❽ ***Squeeze the hand pump until vacuum is near 25 inHg. Read the vacuum on the gauge attached to the hand pump.***

❾ ***Close the slide valve by sliding the shuttle down.***

❿ ***Fill the reservoir cup halfway with the liquid test media. Refer to E-DWT-H User's Manual for supported test fluids.***

⓫ ***Remove the brass standoff from the reservoir port. Liquid will be drawn into the evacuated system.***

Figure 3: ***Evacuating the E-DWT-H with fill kit***