FLUKE
Calibration

High Pressure Filter Kit
Instruction Sheet

Introduction

The High Pressure Filter (see Figure 1) is for use with the PPCH Hydraulic Pressure Controller. The filter connects to either a stand alone PPCH (see Figure 2) or a PPCH with a PG7302 (see Figure 3). This document details the fittings and tubing connections for optimal proper performance.

The filter has DH500 fittings at either end. This is the same type of fitting that is on the PPCH TEST port. The filter must be positioned and oriented as shown in Figure 2 and Figure 3. Do not install the filter between the PPCH and the PG7302 piston gauge.

The kit (PN 3071807) includes the items in Table 1:

Table 1.

Description	Quantity	Part Number
High Pressure Filter	1	3143577
Instruction Sheet	1	3152862

Clean or Replace the Filter

Under some operating conditions, the filter can become filled with contaminants from the test circuit. This means the filter works correctly.

If the filter shows signs of reduced flow, replace the filter. Alternatively, the filter can be backwashed to remove contaminants, however, do the backwash carefully to avoid introducing contaminants to the PPCH. The safest backwash method is to disconnect the inlet (Device Under Test [DUT] side) of the filter and use the PPCH prime function to run oil through the filter and into a catch vessel.

You can disconnect the filter to run a high pressure solvent through the filter elements, but use great care to ensure that the solvent is completely removed and no particles or contaminants are introduced to the outlet (PPCH side) of the filter.

⚠Caution

If the filter becomes clogged while in use, then a pressure difference between the PPCH or PPCH/PG and the DUT can result during pressure ramps, including vent. This could prevent proper operation and cause significant measurement error.

Figure 1. High Pressure Filter

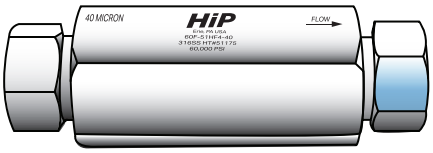


Figure 2. Installation of Filter on Stand Alone PPCH

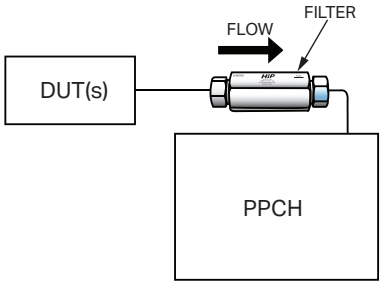
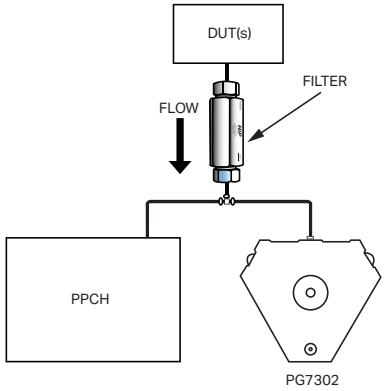


Figure 3. Installation of Filter on PPCH with PG7302



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+1-425-446-5500 fluke-info@fluke.com

Fluke Corporation
6920 Seaway Blvd
Everett, WA 98203
U.S.A.

Fluke Europe B.V.
P.O. Box 1186
5602 BD Eindhoven
The Netherlands

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