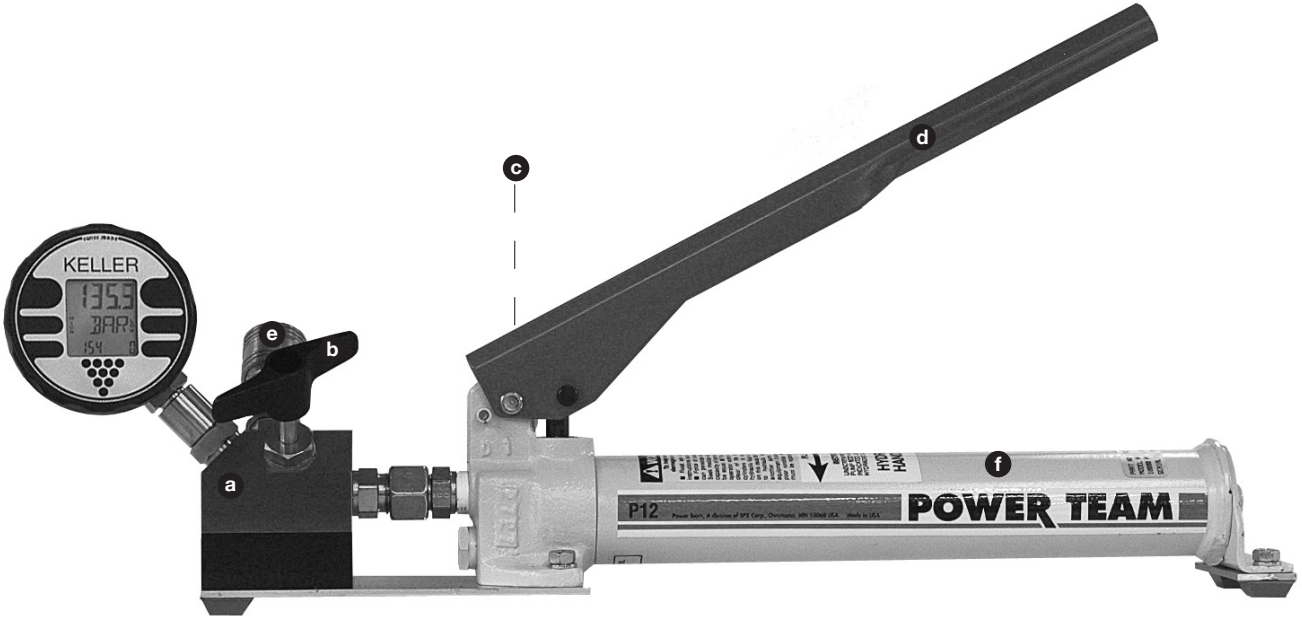
High Pressure Pump P12 — Short Form Manual



- **a** G 1/4” female connection to take master instruments
- **b** Shut-off valve
- **c** Pressure release valve (behind)
- **d** Lever arm for pressure generation
- **e** Connection for test unit: G 1/4” high pressure quick-fit connection
- **f** Oil chamber

Master Instruments available to suit High Pressure Pump P12

The following manometer types can be directly mounted onto the High Pressure Pump P12 without adapters. For further information about these products please refer to the specific datasheet.

General notes:

The P12 pump allows the easy generation of pressure up to 700 bar. The pressure media is hydraulic oil (BP HLP 22). The oil chamber volume of 148 cm^3 will pressurise large dead volumes. The pump has a fine pressure adjuster and release valve allowing precise pressure settings, making it the ideal test equipment for manometers, pressure transmitters etc.

Using the High Pressure Pump P12:

- Connect the master instrument to connection (a). Tighten the instrument at the hexagon, ensuring that the green Eolastic flat seal is flush mounted.
- Connect test unit to connection (e) with the high pressure quick-fit connection (supplied).
- Ensure that the pressure release valve (c) is not completely closed.
- Adjust the fine adjuster (b) to “mid-travel”.
- Close the release valve (c) fully clockwise.
- Operate lever arm (d) to generate pressure.
- Adjust pressure to required value using the fine adjuster (b). Turn fine adjuster clockwise to increase pressure and anti-clockwise to decrease pressure until the desired pressure is reached (displayed on master instrument).
- After measurements, open valve (c) slowly to release pressure.
- Remove test instrument

Note: Due to thermodynamical effects in the system, the pressure may fall slightly for a short time immediately after pressure generation. Use fine adjuster to stabilise pressure.

WARNING: To avoid possible destruction of the master- and test instruments, do not exceed the max. operating pressure specified for these instruments!

LEO 1
Accuracy: 0,2%

Intelligent Manometer
Accuracy: 0,1%

LEO 2
Accuracy: 0,1%

ECO 1
Accuracy: 0,5%