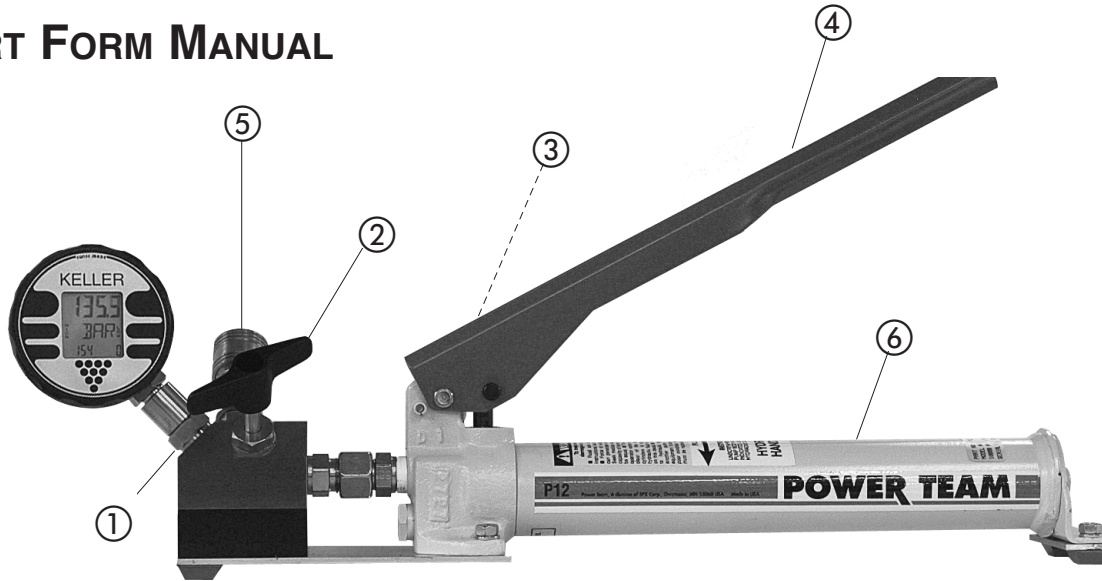


HIGH PRESSURE PUMP P 12

SHORT FORM MANUAL

September 2004



① G 1/4" female connection to take master instruments e.g. PICCOLO, PASCOLO and INTELLIGENT MANOMETERS

③ Pressure release valve (behind)

⑤ Connection for test unit: G 1/4" high pressure quick-fit connection

② Fine pressure adjuster

④ Lever arm for pressure generation

⑥ Oil chamber

KELLER AG für Druckmesstechnik
KELLER gesellschaft für druckmesstechnik mbh

St. Gallerstrasse 119
Schwarzwaldstrasse 17

CH-8404 Winterthur
D-79798 Jestetten

Tel. 052 - 235 25 25
Tel. 07745 - 9214 - 0

Fax 052 - 235 25 00
Fax 07745 - 9214 - 50

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.

LEO 1

Accuracy: 0,2%



Intelligent Manometer

Accuracy: 0,1 %



LEO 2

Accuracy: 0,1%



ECO 1

Accuracy: 0,5%



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 cm³ 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 (1). Tighten the instrument at the hexagon, ensuring that the green Eolastic flat seal is flush mounted.
- Connect test unit to connection (5) with the high pressure quick-fit connection (supplied).
- Ensure that the pressure release valve (3) is **not** completely closed.
- Adjust the fine adjuster (2) to “mid-travel”.
- Close the release valve (3) fully clockwise.
- Operate lever arm (4) to generate pressure.
- Adjust pressure to required value using the fine adjuster (2). 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 (3) slowly to release pressure.
- Remove test instrument

NOTE: Due to air trapped 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!