

SUPERPRESSURE
HAND-OPERATED HYDRAULIC
PRESSURE GENERATOR

PART NUMBER 46-19316
46-19331

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HAND-OPERATED HYDRAULIC PRESSURE GENERATOR FOR CREATING HYDRAULIC PRESSURES TO 30,000PSI

OVERVIEW

These units are used for generating bursting test pressures on cylinders and other equipment, and are used with pressure balances.

A unit consists of a heavy-walled cylinder with a hand-operated piston. The piston is packed to prevent leakage and has longitudinal motion without rotation. The screw thread and handle are so proportioned as to insure pressures to 30,000psi without undue strain on the operator.

In systems where gas may be trapped or occluded in the liquid, it frequently happens that a single complete displacement of the piston will not raise the system to the desired pressure. In that event, a series of pumping cycles is necessary to obtain the desired pressures.

| Catalog No. | Maximum Working Pressure (psi) | Piston Dia. (in.) | Length of Stroke (in.) | Displace- ment (ML.) |
|--------------------|---|------------------------------|-----------------------------------|---------------------------------|
| 46-19316 | 15,000 | 1/2 | 2.812 | 9.05 |
| 46-19331 | 30,000 | 3/8 | 2.812 | 5.10 |

| Catalog No. | Replacement Polypack Seal Packing |
|--------------------|--|
| 46-19316 | P1615009700 |
| 46-19331 | P1615010800 |

Tubing Connection- 1/4" o.d. Superpressure Tubing.

OPERATION

- 1) Install unit on a secure surface.
- 2) Install 1/4"o.d. Superpressure Tubing and valves 1 and 2.
- 3) Fill reservoir hydraulic oil.
- 4) Open valve 2 reservoir.
- 5) Rotate the pressure generator handle counter-clockwise as far as it will go. This allows oil from the reservoir to enter the generators cavity.
- 6) Close valve 2 on reservoir and open valve 1 to point of use.
- 7) Rotate the pressure generator handle clockwise to build pressure.
- 8) A series of pumping cycles may be necessary to obtain the desired pressure by repeating steps 4 through 7.

For any questions that you may have concerning the operation, installation, etc. of the Generator, please contact the factory.