

SUPERPRESSURE

HAND-OPERATED HYDRAULIC PRESSURE GENERATOR

PART NUMBER:	46-19316	15,000 PSI
	46-19331	30,000 PSI

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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)	Displacement (ML)	Replacement Polypack Seal Packing
46-19316	15,000	1/2	2.812	9.05	P1615009700
46-19331	30,000	3/8	2.812	5.10	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.