



MODEL HIHPG4-29066

MOBILE O₂ HAND BOOSTER

The mobile oxygen booster system is designed for manual charging of SCUBA, life support and resuscitation cylinders directly from cascade cylinders in areas where there is no power source (electric or pneumatic) available.

The unit is a positive displacement single stage, double acting reciprocating booster pump driven by a single operator. Maximum pressure capability is dependant on the force applied by the operator and the gas inlet pressure available. Work needed to complete the gas transfer is reduced when the gas inlet pressure is high.

SPECIFICATIONS:

Dimensions:	39"L x 12"W x 7"H
Dimensions with Handle:	39"L x 12"W x 47"H
Watertight Case Dim.:	44"L x 16"W x 14"H
Weight:	97-lbs (44 kg)
Volume Displacement/cycle:	1.12 cu-in
Max Outlet Pressure:	4350-psi (300 bar)
Min. Supply Pressure:	300-psi (20.7 bar)
Required Force at 700-psi inlet:	46.4 lbf
Inlet & Outlet Connections:	¼" SAE

KEY FEATURES:

- Double Acting for smooth operation
- Balanced system design uses incoming gas to assist pumping operation
- O₂ sections are hydrocarbon FREE
- "T" type handle arrangement for easy of pumping operation
- Portable, compact, and durable
- Self-contained system requiring only two (2) connections, gas input and gas output
- Capable of boosting O₂ gas from supply cylinders to 4350-psi (300bar)

CONTROLS INCLUDED:

- O₂ Gas inlet and outlet pressure gauges (0-5000 psi dual scale)
- O₂ inlet hose assembly (4-meter in length with G3/4" Connector)
- O₂ Outlet hose assembly (4-meter in length with DIN 477, bleeder valve and G3/4" connector)
- Inlet O₂ filter
- Outlet shutoff and vent valve (needle type)
- Outlet pressure relief valve set at 3000 psi (207 bar) adjustable
- Removable foot mount plate away from the mobile protective watertight case for ease of pumping operation



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