OXYGEN HAND BOOSTER

OPEN FRAME DESIGN

Haskel's oxygen hand booster is designed for the manual charging of life support and resuscitation cylinders in cases where power supply (electrical or compressed air) is unavailable.

The hand booster incorporates many of the key features of Haskel's standard air-driven gas booster range, offering similar benefits to users.

KEY FEATURES

- Double acting for effective operation
- Balanced piston design to assist the pumping operation using incoming gas
- Zero contamination risk into the oxygen gas sections
- Self-lubricated oxygen seals
- Guaranteed long seal life with patented Haskel sealing arrangement in the high-pressure sections
- Double handle arrangement for one- or two-person operation
- Portable and lightweight
- Compact and durable
- Reliable and easy to maintain
- Fully self-contained unit requiring only two connections:
  - One gas input
  - One gas output
- Capable of boosting oxygen gas from supply cylinders up to 5,000 psi

PRODUCT DESCRIPTION

At the unit's core is a positive displacement double-acting reciprocating booster pump, driven by either one or two operators. When the suction stroke begins, the inlet non-return valve opens to allow gas into the gas barrel. On the discharge stroke, the inlet check valve will close and the outlet check valve will open. This will force the pressurized gas into the discharge pipework. The maximum pressure capability is dependent on the force applied by the operator(s) and the gas inlet pressure available. If a high gas inlet pressure is available, the work needed to complete the gas transfer is reduced.

Built into the booster are:

- Inlet Gas Filter
- Outlet Relief Valve
- Outlet Pressure Gauge
- Outlet Stop & Vent Valves
- Inlet and Outlet Bulkhead Connections with Dust Caps

The unit comes suitably piped for oxygen gas service and is set for charging to 200 bar unless requested otherwise.

TECHNICAL DETAILS

Haskel Oxygen Hand Booster: Part Number J23515-2

Dimensions	750mm x 330mm x 330mm
Weight	18 kgs
Inlet Connection	5/8" BSP X 60°male cone
Outlet Connection	5/8" BSP X 60°male cone
Displacement per Cycle	0.036 litre
Maximum Outlet Pressure	350 bar g
Minimum Supply Pressure	20 bar g
8,000	76
9,000	82
10,000	89
11,000	96
12,000	102
13,000	109
14,000	116
15,000	124

CAPACITY BASED ON 40 STROKES/MIN

Inlet		Outlet		Flow	
Bar	**PSI**	**Bar**	**PSI**	**NL/min**	**SCFM**
100	1,450	110	1,600	72	2.54
75	1,090	150	2,200	51	1.8
50	725	205	3,000	22	0.8
25	360	205	3,000	7	0.26