Oxygen Hand Booster

Open Frame Design

The Haskel oxygen hand booster has been developed for the manual charging of life support and resuscitation cylinders in areas where there is no power supply (electrical or compressed air) available

The hand booster incorporates many of the key features of the standard Haskel air driven gas booster range within the design as follows:

Key Features

- Double acting for effective operation
- Balanced piston design uses incoming gas to assist the pumping operation
- No risk of contamination into the oxygen gas sections
- Self-lubricated oxygen seals require no lubrication
- Patented Haskel sealing arrangement in the high pressure sections ensure long working seal life
- Double handle arrangement for one or two man operation
- Portable and lightweight
- Compact and durable
- Reliable and easy to maintain
- Totally self-contained unit requiring only two connections
    - one gas input
    - one gas output
- Capable of boosting oxygen gas from supply cylinders to 5,000 psi

Description

Haskel Oxygen Hand Booster Part Number J23515-2

At the heart of the unit is a positive displacement double acting reciprocating booster pump driven by either one or two operators. At the commencement of the suction stroke the inlet non-return valve will open allowing 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 pressurised gas into the discharge pipe-work. 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

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

Capacity Based on 40 strokes/min

Inlet		Outlet		Flow	
Bar	**PSI**	**Bar**	**PSI**	**NL/min**	**SCFM**
100	1450	110	1600	72	2.54
75	1090	150	2200	51	1.8
50	725	205	3000	22	0.8
25	360	205	3000	7	0.26