

Portable Oxygen Charging Unit

BACKGROUND

Haskel Oxygen Gas charging units provide a fast efficient and economical method of charging, or topping up gas pressures in devices such as:

- In-flight Oxygen Gas Systems
- Breathing Apparatus
- Commercial Divers Gas Cylinders
- Military Divers Gas Cylinders

The illustrated portable booster systems are designed to be lightweight & practical. Clearly labelled controls to ensure simple but safe operation.

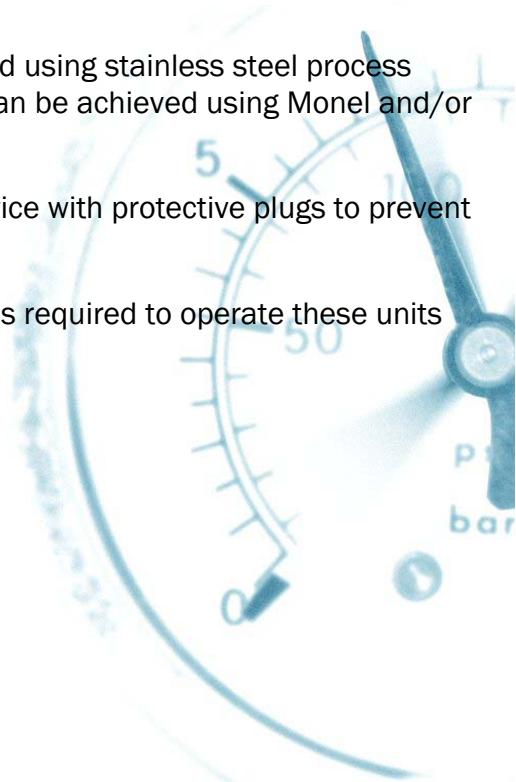
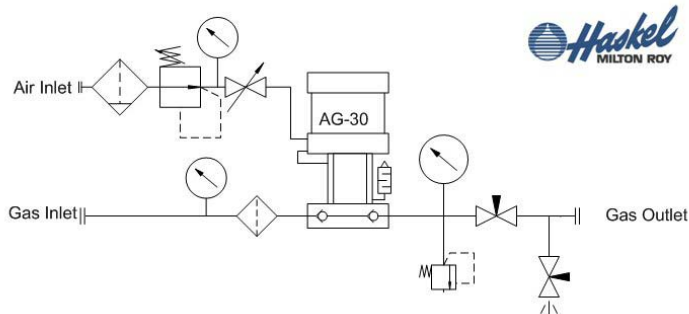
The units enable optimum use of commercially bottled oxygen gas down to a residual pressure of 7 bar.

Careful selection of materials ensure maximum operator safety.

Gas charge pressures of up to 200 bar are achieved using stainless steel process equipment. Gas charge pressures up to 350 bar can be achieved using Monel and/or bronze process equipment.

The units are supplied cleaned for oxygen gas service with protective plugs to prevent dirt ingress when not in use

Apart from compressed air, no other power supply is required to operate these units making the suitable for operation in any location.





GAS BOOSTER MODEL	NOMINAL MAX PRESSURE Barg	NOMINAL FLOW CAPACITY NI/min	MODEL ORDERING CODE
Oxygen Gas Boosters			
28598-AG-15	100	125	J24273-AG-15
17445-AG-30	200	100	J24273-AG-30
81569-AG-75	350	50	J24273-AG-75

Actual flow capacity varies with gas inlet pressure, air drive pressure and volume and outlet pressure. For actual flow contact factory

Description

Each unit comprises a water proof, robust, injection moulded case, in which is mounted the following equipment:

- Haskel Air driven oxygen gas Booster
- Air inlet to air drive controls comprising,
 - Air drive filter
 - Air drive pressure regulator
 - Air pressure gauge
 - On/off speed control valve.
- Inlet oxygen gas bulkhead with plug to prevent dirt ingress
- Inlet 5 micron gas filter
- Inlet pressure gauge (gas safety pattern)
- Outlet Pressure Gauge (gas safety pattern)
- Outlet Relief valve
- Outlet isolation valve
- Outlet vent valve
- Outlet oxygen gas bulkhead with plug to prevent dirt ingress
- All suitably piped, cleaned and tested for oxygen gas service

Features

Haskel air driven gas boosters offer many advantages over electrical driven high pressure compressors .

- Ability to stall at any predetermined pressure and hold this fixed pressure without consuming power or generating heat.
- No heat, flame or risk of spark
- Infinitely variable cycling speed (flow rate)
- No limit or adverse effect to continuous stop/start applications
- Gas booster seals are self lubricated requiring no external air lubricator
- Reliable, easy to maintain, compact and robust

Haskel Energy Systems Ltd

North Hylton Road, Sunderland. SR5 3JD. England

Tel: 00 44 (0) 191 549 1212. Fax: 00 44 (0) 191 549 0911, E-mail sales@haskel.co.uk Web: www.haskel.com

Haskel International Inc.

Industrial Technologies Division
Tel : (1) 818 843-4000
Fax: (1) 818 844 291

Haskel France

Tel: (33) 03 20 04 66 00
Fax: (33) 03 20 33 31 95

Haskel Hochdrucksysteme

Tel: (49) 281 984 800
Fax: 281 984 8020

Haskel BV

Tel: (31) 79 36 18 472
Fax: (31) 79 36 00 560

Haskel Espana S.R.L.

Tel: (34) 943 474 566
Fax: (34) 943 451 186

Haskel Italiana S.R.L.

Tel: (39) 0331 987 596
Fax: (39) 0331 987 597