

Portable Nitrogen Charging Unit

Fast Efficient and Economical Method of Inert Gas Charging

Designed to be lightweight and practical, Haskel gas charging units provide a fast efficient and economical method of charging or topping up gas pressures in devices such as:

- Hydro Gas Accumulators
- Hydro Gas Vehicle and Aircraft Suspension System
- Gas Springs
- Automotive Air Bag Gas Storage Systems
- Helicopter Emergency 'Pop Float'
- Gas Storage Systems
- Aircraft Safety Chute Gas Storage Systems

The units provide an infinitely adjustable pressure source for pressure testing with nitrogen gas onshore and offshore and ensure that the optimum use of commercially bottled nitrogen gas down to a residual pressure of 7 bar. Charge gas pressures up to 500 bar are standard, but higher pressures can be achieved if required.

Powered by compressed gas from a compressor or gas cylinder, they are suitable for operation in any location



GAS BOOSTER MODEL USED	NOMINAL MAX PRESSURE based on 100 psi/7.0 bar air drive	NOMINAL FLOW CAPACITY based on 500 psi gas supply	MODEL ORDERING CODE
AG-15	100Bar (1,500 psi)	150NI/min (5 scfm)	J24272-AG-15
AG-30	200 Bar (3,000 psi)	110 NI/min (4 scfm)	J24272-AG-30
AG-75	350 Bar (5,000 psi)	50 NI/min (2 scfm)	J24272-AG-75
AG-75	500 Bar (7250 psi)	50 NI/min (2 scfm)	J24272-AG-75-H

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

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 gas bulkhead connection
- Inlet 5 micron gas filter
- Inlet pressure gauge (gas safety pattern)
- Outlet Pressure Gauge (gas safety pattern)
- Outlet Relief valve
- Outlet isolation valve
- Outlet gas bulkhead

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
- Booster designed with integral air cooling to the immediately reduce heat of compression
- Clearly labelled controls to ensure safe operation