

Portable Nitrogen Charging Unit

BACKGROUND

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



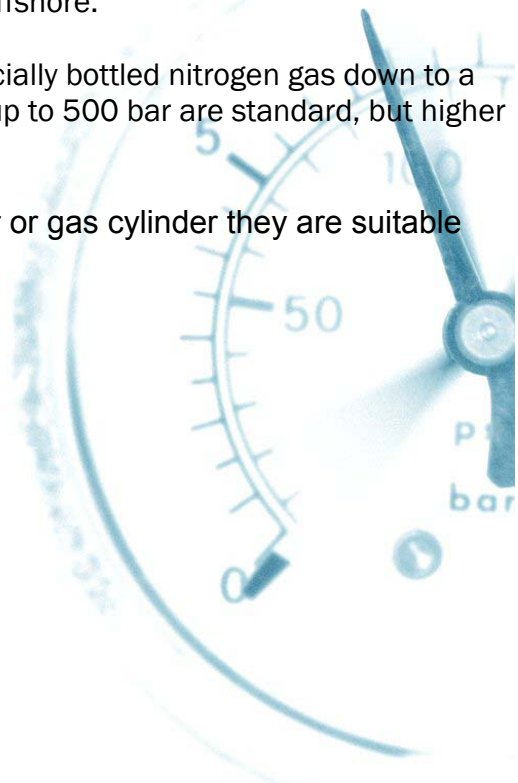
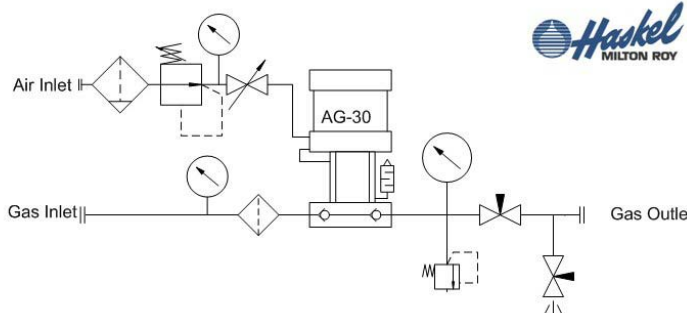
- Hydro Gas Accumulators
- Hydro Gas Vehicle and Aircraft Suspension System
- Gas Springs
- Automotive Air Bag Gas Storage Systems
- Helicopter emergency 'Pop Float' Gas Storage Systems
- Aircraft Safety Chute Gas Storage Systems

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

The units provide an infinitely adjustable pressure source, for pressure testing with nitrogen gas both onshore and offshore.

The units 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	NOMINAL MAX PRESSURE Barg	NOMINAL FLOW CAPACITY NI/min	MODEL ORDERING CODE
Nitrogen / Inert Gas Boosters			
AG-15	100	125	J24272-AG-15
AG-30	200	100	J24272-AG-30
AG-75	500	50	J24272-AG-75

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 gas booster (as per table)
- 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 and outlet vent valve
- Outlet gas bulkhead

All suitably piped & tested for inert 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

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