PORTABLE NITROGEN CHARGING UNIT

FAST, EFFICIENT, AND COST-EFFECTIVE INERT GAS CHARGING

Designed to be lightweight and practical, Haskel gas charging units provide a fast, efficient, and economical way of charging or topping off 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, in both onshore and offshore. The equipment also ensures optimum use of commercially bottled nitrogen gas down to a residual pressure of 7 bar. Charged 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.





PRODUCT DESCRIPTION

Each charging unit comprises a waterproof, robust, injection moulded case mounted:

- Haskel Air driven gas booster featuring:
  - Air inlet to air drive controls
  - 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

KEY FEATURES

- Haskel air-driven gas boosters offer many advantages over electric-driven high-pressure compressors
- Ability to stall at any predetermined pressure, holding 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
- Reliable, easy to maintain
- Compact and robust
- Designed with integral air cooling to immediately reduce heat of compression
- Clearly labelled controls to ensure safe operation

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)	150Nl/min (5 scfm)	J24272-AG-15
AG-30	200 Bar (3,000 psi)	110 Nl/min (4 scfm)	J24272-AG-30
AG-75	500 Bar (7250 psi)	50 Nl/min (2 scfm)	J24272-AG-75-H