



N2GO – Nitrogen gas to go where and when you need it



For topping up tire pressure, charging undercarriage struts, accumulators & other nitrogen applications.



www.halehamilton.com/pcu

Hale Hamilton Limited is a Company within the Aerospace & Defense group of companies within Circor International, Inc., and has since 1947 been in the business of the design, development, manufacture, supply and support of high performance, high pressure valves and valve systems, required to perform under critical conditions of pressure, flow & cleanliness, in satisfying the demanding technical requirements of its customer's world-wide. Hale Hamilton has developed a market leading range of products and solutions for Ground Support Applications for the Aircraft MRO Industry.



The range of Portable Charging Units is used by commercial and military customers around the world, in support of all types of aircraft including commercial airliners, business jets, fighter jets, helicopters, transport planes and unmanned aerial vehicles.

The N2GO Nitrogen charging units are used for inflating tires, charging suspension struts, topping up hydraulic accumulators, servicing airbag landing systems, and many other nitrogen gas applications.

An O2GO Oxygen charging unit is also available, used to service and top up on-board aircraft breathing systems.

By using an industry standard carbon fibre & epoxy resin composite gas cylinder, and a light, but strong case, each Portable Charging Unit (PCU) is the size and weight of your typical small travel suitcase, meaning you have a handy source of either compressed nitrogen (or oxygen) ready TO GO !

Features

- Light-weight
- Single or dual pressure outlets (different charge pressures depending on application)
- Accurate pressure control
- Over pressure protection
- Charge pressure indication
- Hose vent feature
- On-board particulate filtration
- High pressure hose, with a range of accessories
- Hand-carry portable, with a wheel option

General Specification

- Cylinder charge pressure: up to 300 barg
- Design pressure: up to 350 barg
- Cylinder capacity: 6.8 litres (water capacity), 1800 litre (gas at STP)
- Outlet pressure ranges from 0-2 barg, to 0-300 barg
- Temperature range: -34 to 60°C



Standards and Supporting Documentation

- **ICAO Document 2984 AN/905: Technical Instruction for the Transportation of Dangerous Goods by Air.**
Built in accordance with this requirement, the PCU can fly on an aircraft fully charged.
- **Product is FOD (Foreign Object Damage) compliant.**
All equipment for use on an airfield must be FOD compliant thus ensuring parts on the unit will not detach, possibly being drawn into aircraft engines causing damage.
- **Product assessed in accordance with The Transportable Pressure Equipment Directive 1999/36/EC.**
- **Product assessed in accordance with The Transportable Pressure Vessels Regulations 2001.**
- **Air Publications supporting military use are available for defence applications.**
Hale Hamilton Operating, Service & Maintenance instructions are provided with every unit.

- 1 Pilatus Trainer PC21
- 2 Lynx
- 3 MQ-9
- 4 Boeing C-17 Globemaster
- 5 Euro fighter
- 6 Embraer Legacy
- 7 Super puma EC225
- 8 Airbus A330
- 9 AW139

Some examples of aircraft supported by Hale Hamilton's N2GO Nitrogen Portable Charging Units today:

- | | | |
|-----------------------------------|--------------------|----------------------------|
| ■ Tornado | ■ AS350 Squirrels | ■ Bell 212, 214 |
| ■ Typhoon | ■ AS350 Dauphins | ■ Gulfstream Business Jets |
| ■ F-16 | ■ EC225 Super Puma | ■ Citation Business Jets |
| ■ F-18 | ■ AW109 | ■ Embraer Legacy |
| ■ Hawk | ■ AW139 | ■ Falcon Jets |
| ■ King Air | ■ AW169 | ■ Hawker Aircraft |
| ■ C-17 | ■ Lynx | ■ C130H |
| ■ Airbus A319, 321, 330, 340 | ■ Chinook | ■ Apache |
| ■ Boeing B737, 747, 757, 767, 777 | ■ Merlin | ■ MH-60R |
| ■ BAE 146 Range | ■ Seahawk | |

Over 2,500 N2GO PCU's in-service (at July 2014) world-wide, with operators & maintainers of commercial & military fixed & rotary wing aircraft

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








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Wheeled version

Product selector

Type Number	Part number	First Outlet Max. Pressure bar (psi)	Second Outlet Max. Pressure bar (psi)	Medium	Outlet Hose	Case Colour	Weight (kg)	Features and Accessories
CP433	NA57000	35 (500)	2 (30)	N2	2m		19.3	Tyre adaptor
CP433 Mk1	N102133	220 (3200)	None	N2	5m		16.6	None
CP433 Mk2	N102729	105 (1500)	6 (87)	N2	2m		21.1	Inflator
CP433 Mk3	N103273	15 (220)	2 (30)	N2	2m		22	Inflator, Tyre adaptor
CP433 Mk4	N104346	207 (3000)	35 (500)	N2	2m		24	Dual Gauge Inflator
CP433 Mk5	N104586	207 (3000)	None	N2	2m		18.5	Schrader Goose neck
CP433 Mk6	N107031	50 (725)	None	N2	3m		18.7	Schrader valve
CP433 Mk7	N107542	35 (500)	2 (30)	N2	2m		19.6	Tyre adaptor
CP433 Mk8	N107850	35 (500)	None	N2	3m		18.5	Schrader valve
CP433 Mk9	N108559	31 (450)	7 (100)	N2	3m		20.8	Tyre adaptor
CP433 Mk10	N108615	31 (450)	7 (100)	N2	3m		22.5	Tyre adaptor, Wheels
CP433 Mk11	N109845	207 (3000)	None	Air	3m		21	Schrader valve
CP433 Mk12	N109929	207 (3000)	35 (500)	N2	3m		21	Schrader valve
CP433 Mk13	N109980	207 (3000)	2 (30)	N2	3m		22.9	Schrader valve, Wheels
CP433 Mk14	N110403	220 (3200)	35 (500)	N2	2m		19.6	Schrader valve
CP433 MK15	N111046	241 (3500)	35 (500)	N2	3m		23.3	Schrader valve, Wheels
CP433 Mk16	N111182	50 (725)	15 (220)	N2	3m		20.4	Tyre adaptor
CP433 Mk17	N111502	220 (3200)	35 (500)	N2	2m		19.6	Schrader valve, Wheels
CP433 Mk18	N114612	207 (3000)	None	Air	None		19.1	Wheels
CP434	NA57010	220 (3200)	None	O2	5m		18.1	None
CP434 Mk4	N107335	220 (3200)	None	O2	5m		19.7	None
CP434 Mk5	N109065	42 (610)	None	O2	2 x 3m		25.8	Switchable restrictor
CP434 Mk6	N109070	138 (2000)	31 (450)	O2	3m		22.5	None
CP434 Mk7	N111662	138 (2000)	0.7 (10)	O2	5m		22.5	Wheels
CP434 Mk8	N112347	220 (3200)	None	O2	5m		18.1	37°SAE connection

In addition to our standard product range, we have an extensive range of special designs and offer a custom build service. Contact our Sales office if you don't see what you want in our catalogue.

The information contained within this catalogue is for reference purposes only and is subject to change.

When selecting a product, the total system design must be considered to ensure safe, trouble free performance. Component function, material compatibility, adequate ratings, proper installation, operation and maintenance are the responsibility of the system designer and user.

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