The Integra® cylinder range

Our innovation for safer welding, cutting and brazing
Smaller, lighter, easier to handle and often outlasts conventional cylinders

**Safer at work**

- Lower risk of cylinder falling, shorter and more stable than traditional cylinder
- Reduced risk of regulator damage, regulator fully contained within protective guard
- Reduced exposure to pressure hazard, built-in regulator controls pressure and cannot be removed

**Easier to use**

- Smaller, lighter and more manoeuvrable than traditional cylinder
- Snap-on connection to cylinder (no need for spanners)
- Hand-operated on/off valve (no need for bottle keys)

**Saves time and money**

- High pressure (300bar) filling technology to deliver a large volume of gas in each cylinder*
- Never buy, repair or calibrate a regulator again
- Gas economiser reduces gas consumption (shielding gas version)
- Built-in flashback arrestor (oxy-acetylene version)
- Pre-set flow eliminates set-up time

* Does not apply to acetylene cylinders
Gases for welding, cutting and brazing applications:

The following gases are available in the Integra® cylinder:

**Maxx® shielding gases**

- **Ferromaxx® Plus**
  The best gas mixture for faster, cleaner MAG welding of carbon steel.
- **Ferromaxx® 15**
  The reliable all-rounder for carbon steel MAG welding.
- **Ferromaxx® 7**
  The thin and medium carbon steel MAG welding specialist.
- **Inomaxx® Plus**
  The best gas mixture for MAG welding stainless steel.
- **Inomaxx® 2**
  The reliable gas mixture for MAG welding thin and medium thicknesses stainless steel.
- **Inomaxx® TIG**
  The best gas mixture for TIG welding austenitic stainless steel.
- **Alumaxx® Plus**
  The best gas mixture for MIG and TIG welding of aluminium.

**Standard gases**

- **M21 ArC20 (20% CO₂ in Argon)**
  Standard gas mixture for MAG welding carbon steel.
- **M20 ArC8 (8% CO₂ in Argon)**
  Standard gas mixture for MAG welding carbon steel.
- **Argon Technical**
  Standard gas for MIG and TIG welding.
- **Oxygen and acetylene**
  For cutting, welding and brazing.

All shielding gases meet or exceed the requirements of ISO 14175.

*e.g. 300 series*
Oxygen and acetylene Integra® cylinder

Protective valve guard
Prevents accidental damage and makes the cylinder easy to handle. Independently safety tested. Exceeds the requirements of EN ISO 11117. Protects all critical components and provides full access for valve operation.

Quick connect gas outlet
Allows safe and rapid gas cylinder change-over. Safety device in valve outlet ensures no gas flow if the quick connector is not fitted to the valve.

Contents gauge
Always shows how much gas is left, even when cylinder is not in use!

Quick connector with built-in safety
Ensures the safest connection every time the cylinder is used. Snap-on connection to cylinder – no spanner needed. Additional safety locking and release device prevents accidental removal.

Built-in regulator
Calibrated and maintained by Air Products. Regulates outlet pressure and provides a variable pressure control (0-8 bar). Suitable for all cutting, welding and brazing applications.

Built in safety devices:
- Safety locking and release mechanism
- Flame arrestor
- Non-return valve
- Thermal cut-off valve
- Dust filter

Filling port
Shielding gas Integra® cylinder

Protective valve guard
Integrated handle prevents accidental damage to built-in regulator. Exceeds requirements of EN ISO 11117. Protects all critical components and provides full access to valve operation.

Quick-connect gas outlet
Allows safe and rapid gas cylinder change-over. A range of quick connectors with variable gas flow and pre-set (fixed) gas flow rates are available.

Contents gauge
Always shows how much gas is left, even when cylinder is not in use!

Built-in regulator
Calibrated and maintained by Air Products. Regulates outlet pressure to 4 barg. Incorporates residual pressure valve to prevent contamination of cylinder contents.

Quick connector with built-in gas economiser
Pre-select the optimum gas flow rate to suit your application. Attach directly to your welding hose then snap on to the quick-connect gas outlet.

Filling port
tell me more

For more information, please contact us at:

**Air Products PLC**
Millennium Gate
Westmere Drive
Crewe CW1 6AP
Tel 0800 389 0202
apukinfo@airproducts.com

**Air Products Ireland Ltd**
Unit 950
Western Industrial Estate 2
Killeen Road, Naas Road
Dublin 12
Tel 1800 995029
ieinfo@airproducts.com