

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

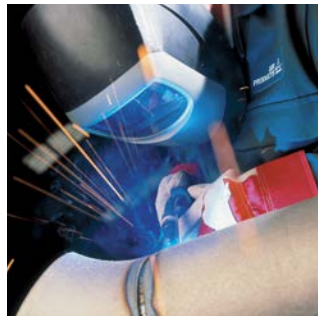
- **Ferromaxx® Plus**
The best gas mixture for faster, cleaner MAG welding of carbon steel.
- **Ferromaxx® 15**
The reliable all-rounder for carbon steel MAG welding.
- **Ferromaxx® 7**
The thin and medium carbon steel MAG welding specialist.
- **Inomaxx® Plus**
The best gas mixture for MAG welding stainless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

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 and provides a variable pressure control (0-8 bar). Suitable for all cutting, welding and brazing applications.

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.

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 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.

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.

Filling port

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.

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.



• Adjusted to high
concentration
• Keep cylinder in well
ventilated area
• Do not breathe the gas
• Wear Safety Eye Protection
• Check ASME stamp
• Open/Close valve slowly
• Check for leak in use
Rev. AUG0

tell me more

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