

ARCAL[™] 25

Argon and Carbon Dioxide (ISO 14175-M21) Shielding Gas for Arc Welding



Recommended Applications for ARCAL 25

- All purpose GMAW welding of carbon steels
- GMAW welding of solid and flux-cored wires
- Flux-cored welding of carbon steels, low alloy and stainless steel
- Hardfacing
- Indoor and outdoor welding
- For all welding positions in short arc mode

Benefits and Features

- High productivity for heavy materials (at high current output).
- Consistent and homogeneous mixtures ensure reliability.
- Meets AWS 5.32 specifications.
- Low sensitivity to cold cracking.
- Heavy thickness welding of carbon steel.
- Dedicated cylinders and lot-batched to ensure purity and traceability.
- Exclusive SMARTOP[™] valve and SCANDINA[™] cap improve safety and ease-of-use.



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Shielding Gas for Arc Welding



The SMARTOP™ Cylinder Valve Exclusively from Air Liquide

- Positive ON/OFF lever action prevents gas leaks common to traditional valves.
- ON/OFF lever opens and closes valve quickly in a single action and provides positive visualization of valve status.
- Built-in pressure gauge shows cylinder contents at a glance without having to open the valve.
- Accurate function is tested by Air Liquide during every cylinder refill.
- Includes a Residual Pressure Valve (RPV) to prevent atmospheric contamination of cylinder contents.
- SCANDINA™ cap permanently protects SMARTOP cylinder valve and allows easier, safer cylinder handling.
- Diptube included to ensure mixture consistency.



Heavy structure welding.



ARCAL 25 ensures excellent penetration profile and depth.

Available Packaging

	49-Cylinder	16-Cylinder Pack*	Portable Liquid Cylinder	Bulk
Pressure (psi)	2400	2400	•	•
Volume (scf)	349	5586	•	•

- * ARCAL 25 is available in single cylinders and 16-cylinder packs when larger quantities are needed.
- Consult your Air Liquide representative.

Purity Guarantee and Analysis

	ARCAL 25	Benefits
Moisture	32 ppm max	low humidity content reduces cold cracking sensitivity
Nitrogen	200 ppm max	low nitrogen content ensures consistent mechanical properties

Your Safety is our Concern

Before using ARCAL 25 or any other compressed gas, always read and understand the appropriate Material Safety Data Sheet (MSDS).



Founded in 1902, Air Liquide is the world leader in industrial and medical specialty gases and related services, providing innovative solutions for the manufacture of everyday products and for the protection of life.

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Air Liquide America Specialty Gases LLC
6141 Easton Road
Box 310
Plumsteadville, PA 18949
Phone: 800.217.2688
Fax: 215.766.2476
Email: solutions.center@airliquide.com
www.scottgas.com
www.airliquide.com