

COMET INNOVATION IS LONG-LASTING.



**WORLD #1
MANUFACTURER OF STEEL
AND COMPOSITE LIGHT
WEIGHT CYLINDERS**

COMET

THE TECHNOLOGY

This lightweight composite cylinder is popular not just for its worldwide distinguished design. Comet is well-known as a low-maintenance cylinder, easy to clean, corrosion-proof and fully impermeable. It's also significantly lighter than traditional cylinders – remaining safe, reliable and with increased shock resistance.

INNOVATION IS LONG-LASTING.

- Corrosion free ➤
- Impermeable metallic liner ➤
- Customized relief device ➤
- Ergonomic and easy handling ➤
- Color variety in customization ➤
- Fully recyclable materials ➤
- Conical thread ➤

CREATING
VALUE
THROUGH
INNOVATION



FOUR LEVELS OF PROTECTION

- Shock Absorbers** – A differentiating concept, our patented shock absorbers, located on the top and the bottom of the cylinder, help dissipate the energy from physical shocks.
- Steel Liner** – The coat-protected, high strength steel liner provides optimal safety.
- Composite Layer** – Between the liner and the cover rests the glass fiber with PP matrix composite structure (fully recyclable), increasing lightness, strength and resistance to impact.
- Polymeric Jacket** – With an appealing and modern design, the UV resistant jacket is stackable and features ergonomic handles.

- ◀ Reduced maintenance cost
- ◀ Reduced risk of static build-up
- ◀ Explosion proof
- ◀ Increased vaporization capacity
- ◀ Improves company branding
- ◀ Offers high safety and reliability
- ◀ Leakage proof

CUSTOMIZATION

COMET is a product that incorporates **In-Mould Labeling (IML)**. This technology allows insertion of printed labels in the mould where the plastic is injected. The result is an outstanding integration on the cylinder jacket. The labels themselves are powerful marketing tools, available in a wide range of colors and supporting high-definition design.



**CYLINDER MAY
BE DECORATED
IN 5 AREAS**

RFID/NFC – These state of the art microchip technologies allow precise tracking, fast identification and real-time database assessment, improving consumer experience, and optimizing labor and filling costs. Connecting suppliers and end-users has never been this easy.

LPG MODEL RANGES



HEIGHT mm	404	507	549	582	542	570
DIAMETER mm	310	310	310	310	320	320
WATER CAPACITY L	12,5	19,1	22	24	24	26,2
TARE WEIGHT kg	4,9	6,2	6,8	7,2	7,2	7,5
BUTANE kg	6	9	11	12	12	13
PROPANE kg	5	8	9	10	10	11
VALVES	Suitable for all types	Suitable for all types	Suitable for all types	Suitable for all types	Suitable for all types	Suitable for all types

AWARDS AND APPROVALS

INTERNATIONAL CONCEPT AND DESIGN AWARDS

'Spirit of Conquest'
Special Jury Award, Innovation
Composites Awards, Programme
2005, France

Good Design Award
2006
Japan

I.D. Design Distinction
2006
USA

Gold IDEA
2006
USA

product
design
award
2007
gold
Hannover, Germany

IF GOLD
Product Design Award
2007
Hannover, Germany

IDSA Silver Prize for Design of
the Decade of Most Appealing
Consumer Solution
2010, United States of America

Australian International
Product Design Award
2009
Australia

reddot design award
winner 2007

Product Design Award
2007
Essen, Germany

Selección DELTA'09
2009
Barcelona

APPROVALS

Many COMET models benefit from a 10-year retest period. Striving for global acceptance, the Comet can be manufactured according to many construction standards, including:

- EN 12245
- EN 14427
- DOT SP 14457

- TC SU9768
- ABNT NBR 15574
- AS 2030.1

AMTROL-ALFA SAFETY AND INNOVATION WELDED TOGETHER.

Amtrol-Alfa forges a strong alliance between safety and innovation. Our position as Europe's largest manufacturer of gas cylinders is a result of 50 years of experience, and of a constant search for improved attributes and better performance on each and every product, everyday. A long list of patents and intensive research are just two of the reasons that make Amtrol-Alfa a true leader in this field.

Innovation is the only thing we can't hold inside.



Apartado 37, 4801-909
Guimarães, Portugal
T: +351 253 540 200 / F: +351 253 531 527
sales@amtrol-alfa.com / www.amtrol-alfa.com