

# Forklift truck cylinders datasheet



**We introduced our composite LPG cylinders for forklift trucks (ft) in 2006. The standard size is 14 kg (31 lbs).**

## **Lightweight**

Our cylinders are lighter than aluminum and steel cylinders. With an empty weight<sup>1</sup> of 7.5 kg (16.5 lbs), giving it a maximum weight<sup>2</sup> of 22.2 kg (48.9 lbs) when full, our cylinders are the lightest FLT cylinders available. European Manual Handling Operations Regulations state that it is not allowed to lift cylinders heavier than 25 kg (55 lbs) further than elbow height. Our FLT cylinders lightweight is well below this requirement.

All cylinders have identical tare weight. The low weight combined with an ergonomic design makes this cylinder very easy to lift, handle and stack, further reducing the risk of workplace injury.

## **Safe**

With over 20 million units in use worldwide, our cylinders hold the best safety record in the industry. Their patented construction withstands a burst pressure that is twice as high as their steel counterparts. In addition, our cylinders will not BLEVE, eliminating the risk of explosion in case of fire.

## **Easy maintenance and use**

The translucent composite materials allow you to see the level of gas eliminating the need for inaccurate gauges. It is now easy to see exactly how much gas is left. Our FLT cylinders are delivered with an approved valve for liquid service with fast fill connection, customized for your market, for effortless filling in both horizontal and vertical position.

### Lower operational costs

Our cylinders do not rust or deteriorate like steel cylinders, so they'll never need repainting. This effectively eliminates refurbishment costs. Your company will save money by eliminating the cost and time needed for shot-blasting, painting, baking... You will also preserve the environment by eliminating toxic residues from the refurbishment process and saving energy.

### Quality-assured manufacturing

We manufacture our products at our state-of-the-art plant in Norway. Our fully-automated production line is the only one of its kind in the world. Quality is assured throughout all steps of the value chain with all our processes certified according to ISO 9001. During the manufacturing process, there

are numerous points where production data on each cylinder is collected and stored for full traceability.

### Meeting the standards

We comply with a wide range of international standards and approvals. The principal ones include:

- ISO 9001
- ISO 11119-3
- EN 12245
- EN 14427
- DOT-SP 12706
- TC SU 5931

1. Without valve. 2. With valve

## Technical specifications

### Pressure ratings

	Standard configuration	USA configuration
Service pressure	20 bar	294 psi
Test pressure	30 bar	441 psi
Required burst pressure	60 or 72 bar *	870 or 1044 psi *
Actual Hexagon Ragasco burst pressure	150 bar	2200 psi

\*Depending on the standard

### Valve description

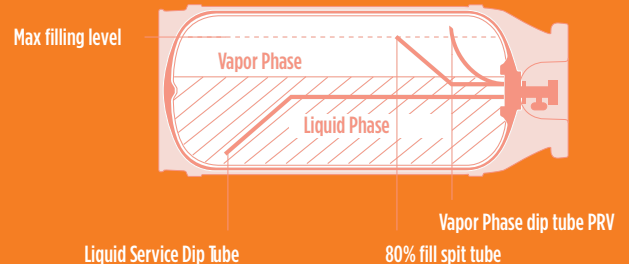
A wide variety of valves for liquid service and horizontal and/or vertical filling.

- One hole solution - fewer points for potential leaks
- Multi function valve, including PRV and Excess Flow Valve
- Translucent cylinder no need for level gauge
- Valve fully protected by outer upper casing
- Straight threads reduce torque force into composite walls

### Standard configuration



### USA configuration



### Hexagon Ragasco AS

Raufoss Industrial Park B306, P.O. Box 50, 2831 Raufoss, Norway, Telephone: + 47 61 15 16 00, [www.hexagonragasco.com](http://www.hexagonragasco.com)