

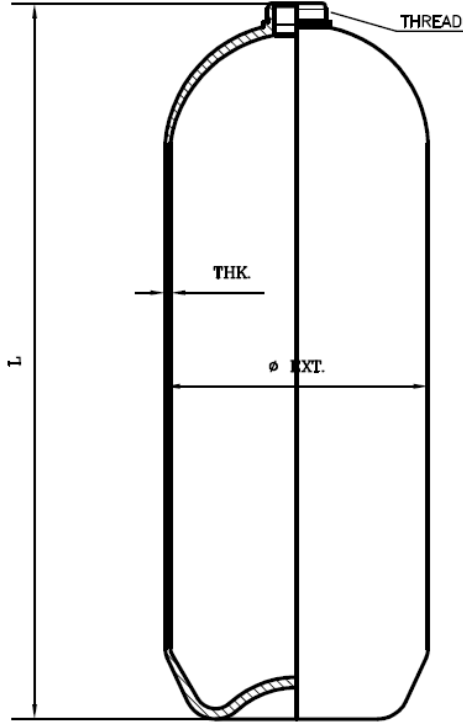


NON-WELDED CYLINDER DATA SHEET

DONE BY		11/98
CHECKED BY		02/09
APPROVED BY		02/09

DATA SHEET Nr. **082** REV.08 DATE **06/04**

INTRODUCTION Steel (Cr-Mo) Non-welded cylinders for compressed, liquid or pressure-dissolved gases.



PART N°.	CAPACITY	THREAD
10120100	$\frac{120 \text{ l.}}{4.23 \text{ ft}^3}$	Ø 2 1/2"-12UN-2A α 60°
10950100	$\frac{100 \text{ l.}}{3.53 \text{ ft}^3}$	

MATERIAL: Steel 34 Cr-Mq (EN 100083).		
CHEMICAL COMPOSITION	PHYSICAL PROPERTIES	HEAT TREATMENT
C = 0.37% Max. Mn=0.90% Max. Si = 0.15% Min. Cr = 0.90% Min. Mo=0.15% Min. P ≤ 0.020% Max. S ≤ 0.010% Max.	Yield point ≥ 124206 lbs./in. 85.6 kg./mm. ² Tensile strength ≥ 138135 lbs./in. 95.2 kg./mm. ² Elongation ≥ 14% (Lo=5.65 √So)	Aquaquench hardening and tempered

TECHNICAL DATA

CAPACITY	Ø EXT. (mm) (in)	MIN. THICKNESS	L	WEIGHT	HYDRAULIC TEST	APPROVALS. TYPE REGISTERED EUROPEAN DIRECTIVE: 84/525/CBE AS 2030.1	FILLING DENSITIES kg./l. lbs./ft. ³
$\frac{120 \text{ l.}}{4.23 \text{ ft}^3}$	357 ± 1	$\frac{7.3 \text{ mm.}}{0.28 \text{ in.}}$	$\frac{1470 \pm 20 \text{ mm.}}{57.87 \pm 0.78 \text{ in.}}$	$\frac{127 \text{ kg.}}{282.2 \text{ lbs.}}$	$\frac{250 \text{ bar.}}{3625 \text{ psi.}}$	E 1 B 9549	HFC-125: 0.93 kg/l 58.08 lbs./ft. ³
	14.05 ± 0.04		$\frac{1314 \pm 20 \text{ mm.}}{51.7 \pm 0.78 \text{ in.}}$				$\frac{103 \text{ kg.}}{228.8 \text{ lbs.}}$
$\frac{100 \text{ l.}}{3.53 \text{ ft}^3}$	14.05 ± 0.04	$\frac{7.3 \text{ mm.}}{0.28 \text{ in.}}$	$\frac{1314 \pm 20 \text{ mm.}}{51.7 \pm 0.78 \text{ in.}}$	$\frac{103 \text{ kg.}}{228.8 \text{ lbs.}}$	$\frac{250 \text{ bar.}}{3625 \text{ psi.}}$		HFC-227: 1.15 kg/l 71.8 lbs./ft. ³
							FE-13 0.85 kg/l 53.1 lbs./ft. ³

IMPORTANT

LPG Fire reserves the right to change or modify without prior notice any data or specifications due to changes or modifications made in order to improve the products presented. This data sheet details the standards and requirements of LPG Fire. It is for informational purposes only and the data contained within is approximate and presented without legal guarantee or warranty. The observation or use of this document doesn't exclude the obligation to comply with existing local standards and authorities at all times. For maintenance and installations please refer to the manual supplied with the product.

Contact Us:

LPG Fire Australia
8/30 Mudgeeraba Rd
Worongary
QID 4213 AUSTRALIA
Phone: +61 7 5559 0634
Fax: +61 7 5559 0201
Email: info@lpgfire.com.au
Web: www.lpgfire.com.au