

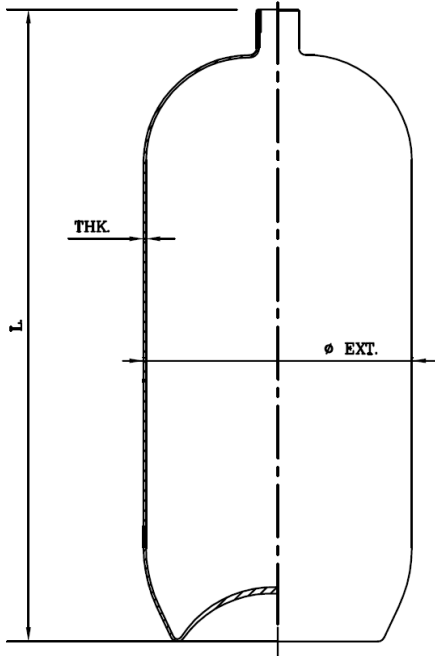


NON-WELDED CYLINDER DATA SHEET

DONE BY		10/97
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DATA SHEET Nr. **049** REV. 08 DATE **09/08**

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



CAPACITY	THREADS
$\frac{140 \text{ l.}}{4.94 \text{ ft}^3}$	Ø 1" (NPT-NGT)
$\frac{80 \text{ l.}}{2.82 \text{ ft}^3}$	Ø 1" (NPT-NGT)

MATERIAL: Steel 34 Cr-Mo₄

PHYSICAL PROPERTIES	PHYSICAL PROPERTIES	HEAT TREATMENT
Yield point ≥ 990 N/mm ²	Yield point ≥ 143649 lbs./in ²	Hardening and tempered
Tensile strength ≥ 1100~1220 N/mm ²	Tensile strength ≥ 159610~174120 lbs./in ²	
Elongation ≥ 12% (Lo=5.65 √So)	Elongation ≥ 12% (Lo=5.65 √So)	

TECHNICAL DATA

CAPACITY	Ø EXT. (mm) Ø EXT. (in)	MIN. THICKNESS	LENGTH	WEIGHT	HYDRAULIC TEST	APPROVALS, TYPE REGISTERED		FILLING PRESSURE
						EUROPEAN DIRECTIVE	AUSTRALIAN STANDARD	
$\frac{140 \text{ l.}}{4.94 \text{ ft}^3}$	$\frac{358 \pm 1\%}{14.1 \pm 1\%}$	$\frac{8.4 \text{ mm.}}{0.33 \text{ in.}}$	$\frac{1700 \text{ mm.}}{66.9 \text{ in.}}$	$\frac{148 \text{ kg.}}{328.8 \text{ lbs.}}$	$\frac{300 \text{ bar.}}{4350 \text{ psi.}}$	AS 2030:1 EN 1964-2:2001		Modular syst: 200 bar. 2900 psi.
$\frac{80 \text{ l.}}{2.82 \text{ ft}^3}$	$\frac{269 \pm 1\%}{10.59 \pm 1\%}$	$\frac{5.1 \text{ mm.}}{0.2 \text{ in.}}$	$\frac{1655 \text{ mm.}}{65.12 \text{ in.}}$	$\frac{70 \text{ kg.}}{155.5 \text{ lbs.}}$				Centralized syst: 200 bar. 2900 psi.
$\frac{140 \text{ l.}}{4.94 \text{ ft}^3}$	$\frac{355.6 \pm 1\%}{14 \pm 1\%}$	$\frac{11.3 \text{ mm.}}{0.44 \text{ in.}}$	$\frac{1860 \text{ mm.}}{73.19 \text{ in.}}$	$\frac{215 \text{ kg.}}{477.64 \text{ lbs.}}$	$\frac{450 \text{ bar.}}{6525 \text{ psi.}}$			Modular syst: 300 bar. 4350 psi.
$\frac{80 \text{ l.}}{2.82 \text{ ft}^3}$	$\frac{269 \pm 1\%}{10.59 \pm 1\%}$	$\frac{7.7 \text{ mm.}}{0.30 \text{ in.}}$	$\frac{1730 \text{ mm.}}{68.08 \text{ in.}}$	$\frac{103 \text{ kg.}}{228.8 \text{ lbs.}}$				Centralized syst: 300 bar. 4350 psi.

IMPORTANT

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