

# DATASHEET



## TANK – 500bar from 140L to 325L

### High-pressure hydrogen storage

Ideal for gas transportation



Can be installed/packaged in a rack or container by 1, 2, 3...

#### TERMS OF SERVICE

Maximum working pressure (PS)	500bar
Maximum refilling pressure	500bar
Temperature of use	From -40°C to 65°C
Position of use	Vertical or horizontal
Permeation rate	0.1Ncm <sup>3</sup> /h/L

#### DIMENSIONS

Inner volume	140L	160L	200L	250L	300L	325L
Mass of empty tank	130Kg	150Kg	180Kg	210Kg	240Kg	260Kg
Mass of hydrogen stored at 500b (15°C)	4.5Kg	5Kg	6.5Kg	8Kg	9.5Kg	10.4Kg
External dimensions (cm) (without support)	Ø 48 L 158	Ø 48 L 180	Ø 48 L 222	Ø 48 L 263	Ø 48 L 307	Ø 48 L 331
Thread Int.	1" - ½ - 12UNF					

#### MATERIALS

Body material	Type IV polymer liner with carbon composite
Boss (x2)	Stainless steel – Aluminum alloy

#### REGULATION TEST

Service life	10 years / 5,000 cycles
Hydraulic pressure proof test	750bar
Approved according to	EN12245 – PED 2014/68/EU & TPED 2010/35/EU

#### OPTIONS

Plug	Thread on request
Valve	PED or TPED
PRV	Maximum 500 bar
Fitting rack	Simple (configuration in bundle possible)