

TANK – 500bar from 160L to 300L

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 ³ /h/L			
DIMENSIONS				
Inner volume	160L	200L	250L	300L
Mass of empty tank	150Kg	180Kg	210Kg	240Kg
Mass of hydrogen stored at 500b (15°C)	5Kg	6.5Kg	8Kg	9.5Kg
External dimensions (cm) (without support)	Ø 48 L 180	Ø 48 L 222	Ø 48 L 263	Ø 48 L 307
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)			