

# DATASHEET

## TANK – 60bar 850L

### Type IV buffer tank at 60bar

The perfect solution to store H<sub>2</sub> after electrolyser



Example of installation: two tanks in a rack

SERVICE CONDITIONS	
Mass of hydrogen stored at 60bar (15°C)	4.2kg
Temperature of use	From -40°C to 65°C
Maximum working pressure (PS)	60bar
Maximum refilling pressure	60bar
Position of use	Vertical or horizontal
DIMENSIONS	
Inner volume	850L
Mass of empty tank	215kg
External dimensions (cm) (without support)	Ø 84 x 187
Orifice diameter	60 mm
MATERIALS	
Hydrogen tank	Type IV – Polymer liner reinforced with composite material
Boss (x2)	Stainless steel 316L
CERTIFICATIONS	
Service life	20 years / 10,000 cycles
Hydrostatic test pressure	86bar
Approved according to	AD2000 - PED 2014/68/EU
OPTIONS	
Flange	Ø60 mm → ¼ NPT Male
Flange	Ø60 mm → Side-exit ¼ NPT Male (PRV) and thread 1" 1/8 - 12UNF (valve)
Valve	PED with TPRD Thread ¼" BSPP → Ø orifice = 6 mm
PRV	60bar maximum → Cv = 0,38 at 60bar / Ø = 4.77mm
Fittings	on request
Tank support frame	Simple or double <sup>1</sup>

<sup>1</sup> Other configurations on request. Possible to integrate in a container of QUADRHV