



H₂
HYDROGEN

baglioni
pressure solutions

HYDROGEN STORAGE CATALOGUE

TANKS

Storage solutions from 70 up to 570 kg of H₂. Horizontal and vertical solutions.

DESIGN

All tanks are made of carbon steel, with design pressure of 35 or 70 bar, and temperatures that can go from -20 till 120 °C. All welds are fully radiographed, heat treated when required. Manhole for inspection and all other necessary safety connections are provided.

CUSTOMIZATION

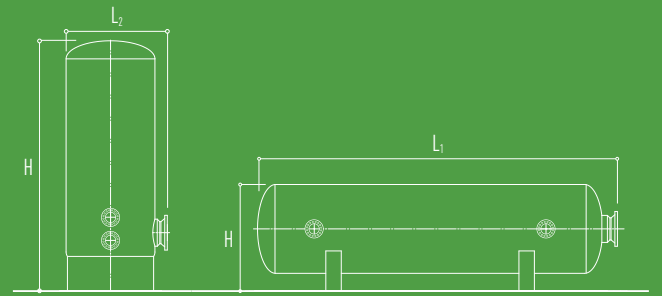
Custom solutions are available for specific requirements from the client regarding volume, design pressure and temperature, material (stainless steel) and connections.

EXTERIOR FINISH

Externally painted with primer and two additional anti-corrosive polyurethane layers, final color white.

QUALITY ASSURANCE

All products are designed, manufactured, tested, and certified in accordance with Directive 2014/68/EU (European Pressure Equipment Directive).



35 bar

		VOLUME [m ³]	25	50	100	150	200
HORIZONTAL	H ₂ MASS [kg]		71	142	285	427	570
	EMPTY MASS [kg]		13.700	23.000	41.500	59.300	78.800
	EXTERNAL DIAM. [mm]		2.348	2.348	2.348	2.856	3.264
	LENGTH L ₁ [m]		7,1	13,1	25,1	25,5	26,1
	HEIGHT H [m]		3,3	3,3	3,3	3,8	4,2
VERTICAL	VOLUME [m ³]		25	50	100	150	200
	H ₂ MASS [kg]		71	142	285	427	570
	EMPTY MASS [kg]		15.000	24.200	42.800	61.000	80.600
	EXTERNAL DIAM. [mm]		2.348	2.348	2.348	2.856	3.264
	HEIGHT H [m]		7,4	13,4	25,4	25,8	26,4
	WIDTH L ₂ [m]		3,6	3,6	3,6	4,1	4,5

70 bar

		VOLUME [m ³]	25	50	100					
HORIZONTAL	H ₂ MASS [kg]		142	285	570	VERTICAL	H ₂ MASS [kg]	142	285	570
	EMPTY MASS [kg]		23.800	41.700	77.500		EMPTY MASS [kg]	25.000	43.100	79.200
	EXTERNAL DIAM. [mm]		2.392	2.392	2.392		EXTERNAL DIAM. [mm]	2.392	2.392	2.392
	LENGTH L ₁ [m]		7,1	13,1	25,2		HEIGHT H [m]	7,4	13,4	25,5
	HEIGHT H [m]		3,3	3,3	3,3		WIDTH L ₂ [m]	3,6	3,6	3,6