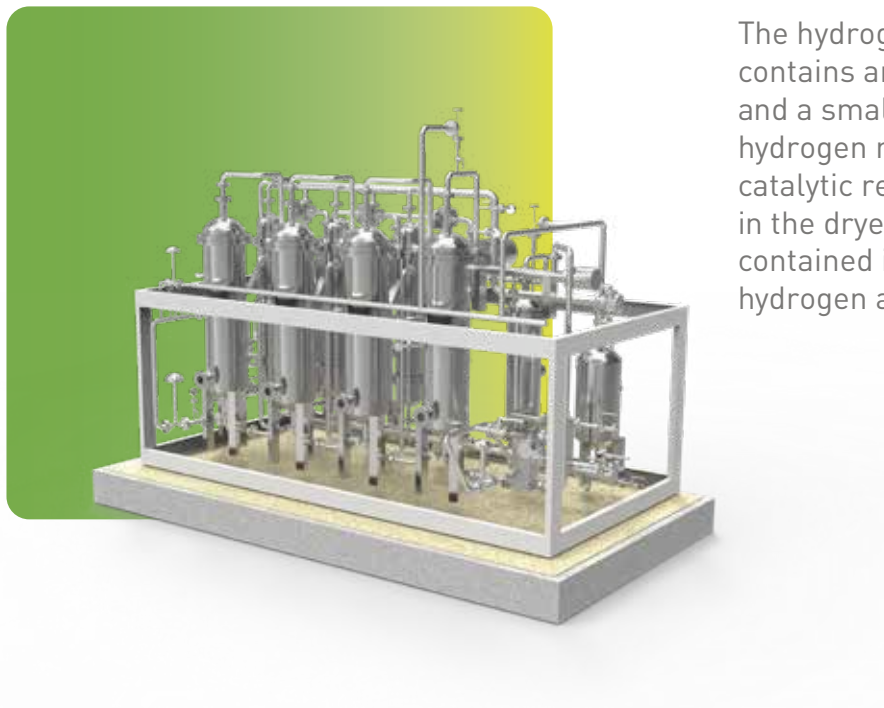


Hydrogen Purification System

RCT HyMax



The hydrogen generated by water electrolysis contains an oxygen impurity, typically below 0.2%, and a small amount of saturated water. Oxygen and hydrogen react rapidly to produce water through a catalytic reaction in a de-aerator. Molecular sieves in the dryer are used to adsorb the residual water contained in the hydrogen. After purification, hydrogen achieves a 5.0 grade purity level.

Technical Parameters

Item	Unit	200/1.6	500/1.6	1000/1.6
Hydrogen treatment capacity	Nm ³ /h	200	500	1000
Purity of hydrogen	%	≥99.999	≥99.999	≥99.999
Dew point of hydrogen	°C	≤-70	≤-70	≤-70
Temperature of hydrogen	°C	≤40	≤40	≤40
Oxygen content in product	ppm	≤5	≤5	≤5
Dimensions of Purification Skid	mm	4000*2200*2500	4400*2350*3300	5600*3000*3500
Weight of Purification Skid	kg	6000	9000	15000