



DRYER 2.1

THE DRYER IS A HYBRID TEMPERATURE/PRESSURE SWING ABSORPTION SYSTEM TO RISE H₂-PURITY LEVEL TO 5.0 STANDARD



Dryer 2.1

The dryer is maintenance free. During operation, one cartridge catches the humidity from the hydrogen gas stream of the electrolyser, while the other cartridge is heated and regenerated. The dryer is rack mountable in a standard 19" cabinet and capable of rising H₂ purity to 5.0 standard for up to five electrolyser modules.

Hydrogen flow rate	2500 NI/h
Input pressure	29 bar
Output pressure	Up to 35 bar
Min. input purity	> 99.8 %
Hydrogen output purity	5.0 = 99.999% in molar fraction
Average dewpoint and impurities	< -70° C, compliant with ISO 14687 (H ₂ O < 5 ppm, O ₂ < 5 ppm)
Weight	23 kg
Dimension (W x D x H in mm)	482 x 634 x 176
Space inside cabinet	4 U
Operative power consumption	200 W
Stand-by power consumption	10 W
Power supply	AC 200-240 V, 50/60 Hz
Ambient operative temperature range	5 - 45° C
IP rating	IP 20
Maintenance	Maintenance free
Control and monitoring	Fully automatic with Enapter's EMS (Energy Management System)

