

Dryer 2.1 (DRY 2.1)



Powered by Enapter



Dryer 2.1: Enapter's dryer is a hybrid temperature/pressure swing adsorption system that comprises of cartridges filled with a highly adsorbent material. 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.

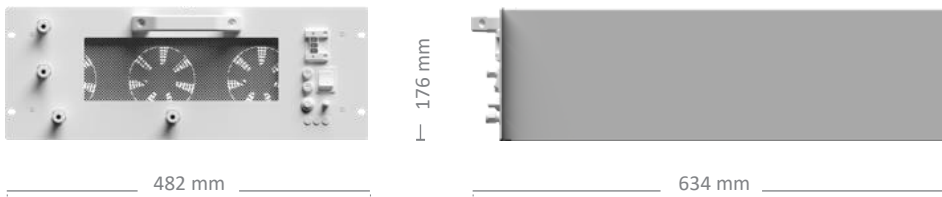
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This is a design data sheet, changes to the technical parameters are protected.

Specifications

Dryer DRY 2.1



Hydrogen flow rate	2,500 NI/h
Input pressure	35 bar
Output pressure	Up to 35 bar
Min. input purity	> 99.8 %
Hydrogen output purity	99.999 % in molar fraction
Average dewpoint and impurities	< -70 °C, compliant with ISO14687 (H ₂ O < 5 ppm, O ₂ < 5 ppm)
Weight	23 kg
Dimensions (W x D x H in mm)	482 × 634 × 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)

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