

Dryer

DRY 2.1



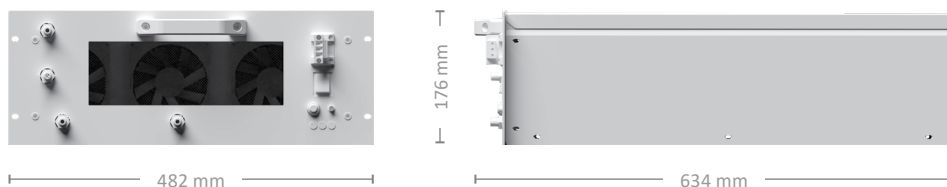
Enapter's dryer is a hybrid temperature/pressure swing adsorption system that comprises of cartridges filled with a highly adsorbent material. The dryer is maintenance-free. During operation, one cartridge catches the humidity from the hydrogen gas stream of the electrolyser, while the other cartridge is heated and regenerated. The dryer is rack-mountable in a standard 19" cabinet.



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Specifications

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Hydrogen output purity	> 99.999% in molar fraction
Output pressure	Up to 35 barg/8 barg
Hydrogen flow rate	35 barg version: 2,500 NL/h 8 barg version: 1,000 NL/h
Input pressure	35 barg version: 35 barg 8 barg version: 8 barg
Min. input purity	35 barg version: > 99.8% 8 barg version: > 98.0%
Average dewpoint and impurities	< -70 °C, compliant with ISO14687 (H ₂ O < 5 ppm, O ₂ < 5 ppm)
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
Ambient operative humidity range	Up to 95% Rh, non-condensing
IP rating	IP 20
Weight	23 kg
Dimensions	W: 482 × D: 634 × H: 176 mm
Space inside cabinet	4 U
Maintenance	Maintenance-free
Control and monitoring	Fully automatic with Enapter's EMS



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