



## DRYER 2.1

THE DRYER IS A HYBRID TEMPERATURE/PRESSURE SWING ABSORPTION SYSTEM TO RISE H<sub>2</sub>-PURITY LEVEL TO 5.0 STANDARD



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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 H<sub>2</sub> purity to 5.0 standard for up to five electrolyser modules.

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

