

Purifier	
General Information	
Number of Cells	45
Active Electrode Area (Single cell)	28.3 cm ²
Active Electrode Area (Total)	1,272.3 cm ²
Maximum Current Density	2.2 A · cm ⁻²
Hydrogen Production Rate	19,512 ml · min ⁻¹ 1.17 m ³ · h ⁻¹
Oxygen Production Rate	9,756 ml · min ⁻¹ 0.59 m ³ · h ⁻¹
Length x Width x Height @ Weight	approx. 880 x 122 x 120 mm @ 18 kg
Water Quality	DIN ISO 3696 type 1
Control	Current controlled and voltage limited
General Operating Parameters	
Maximum Operating Temperature	80 °C
Maximum Temperature Difference (H2OIN & H2OOUT)	5 K
Minimum Flow Rate	approx. 4.5 l · min ⁻¹
Maximum H2 - Outlet Pressure	40 Bar
Maximum O2 - Outlet Pressure	Ambient
Maximum H2O - Inlet Pressure	1.5 Bar
Electrical Operating Parameters @ 40 bar @ 70 °C	
Stack Voltage	approx. 73.5 - 100.2 V
Current (DC)	2.8 - 62.2 A
Connected Load	approx. 0.21 - 6.23 kW
Connections	
H2 - Connection	1/4 in Compression fitting
H2O - Connection	1/2 in Compression fitting
H2O + O2 - Connection	1/2 in Compression fitting
Power Connection Anode	M6
Current Connection Cathode	M6
Other Information	
Maximum Water Consumption	14.91 ml · min ⁻¹
Maximum Amount of Water on Cathode Side	79.08 ml · min ⁻¹
Cell Degradation (Under Optimal Conditions)	10 μV · h ⁻¹
Expected Lifetime	approx. 40,000 h
Hydrogen Quality	H ₂ O saturated
Oxygen Quality	H ₂ O saturated
<p>The data given is the maximum configuration. The stacks are available with a cell count from 1 to 45. Individual data sheets can be obtained on request.</p>	
<p>Flow rate, stack voltage and connected load data are calculated values at BOL¹ of the electrolysis stack and may differ slightly after commissioning. The electrolysis stack does NOT contain any other system peripherals.</p>	
<p>The indicated production rates with the units ml · min⁻¹ or m³ · h⁻¹ are valid according to DIN 1343 under standard conditions at 273.15 K and 101,325 Pa.</p>	
<p>¹BOL - Beginning of Life (Time after first commissioning and function validation)</p>	