H2ALP - 120

Machine for the production of hydrogen and oxygen with demineralisation plant for process water treatment.

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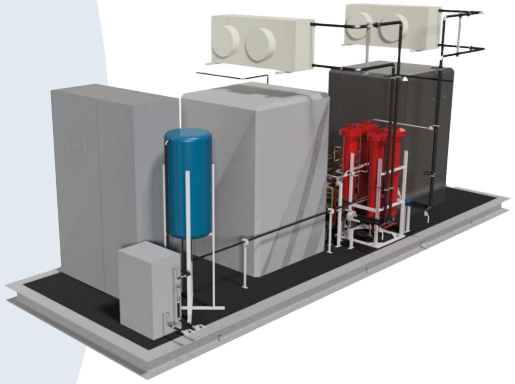
H2ALP - 120

H2ALP-120 is a machine designed to produce hydrogen and oxygen using two Piel machines of 60 kW each placed in parallel and a demineralizer to treat the process water.
The machine consists of two areas:

- Safe area: contains the electrical panel, demineralizer and fire control unit.
- Explosive area (ATEX - 3G IIC T1): contains two electrolysers, a hydrogen drying system, process sensors, and a temperature management system.

A PLC is placed to supervise the plant for remote signal, alarm, and high-level contro.



PLANT DATA

Dimensions	7000x2400x3500 (lxlxh)
Weight	9000 Kg
Temperature	-5/45°C
External buffer	optional
Buffer volume	600 lt
Buffer dimensions	1020x775x2052 (lxlxh)
Buffer weight	2000 Kg

PERFORMANCE

H2 production	20Nm3/h
O2 production (optional)	10Nm3/h
Demineralized H2O production	30lt/h
Waste water production	45lt/h
H2 pressures	8.2bar
O2 pressures	ATM
Consumption	130kW

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