

H2 GENERATOR SYSTEM

Exp-H2-S-510



TECHNICAL SPECIFICATION

ELECTRICAL DATA	
Mains	100-230 VAC 50/60 Hz
H2 Detector	24 VDC, 2.5A
Consumption	235 W
CAPACITY H2	
Outlet flow	Up to 1300 ml/min (continues operation 975 ml/min)
Outlet pressure	0,3-6,9 barg
Purity	>99.99999%
WATER	
Water quality	Deionized, ASTM II, >1 Mohm-cm
Consumption (Appr)	4 ltr/Week @ max capacity
*Supply Pressure (Max)	1,45 PSIG / 0,1 Barg
*Supply flow rate (Max)	1 ltr/min
Notes: *	Applies only to generators fitted with the water fill option
COMMUNICATION	
H2 gen	Ethernet interface, eth cable
Internal H2 Detector	1x 4-20 mA (0-100 %LEL Hydrogen)
Alarm notification H2 gen	1x open collector, digital output. Maks 12 v
* Option, fibre interface, Class 1	
AIR CONSUMPTION	
Prepurge/Continuous purge	120 ltr/min - 30 ltr/min
* Option, Vortex cooler	Full cooling power, approx 200 ltr/min
Notes: *	Only needed if high ambient temp and high H2 capacity
ENVIRONMENTAL DATA	
Temperature	5-40 °C
Humidity	50% @ 40 °C
IP rating	65
Noise	<60 dB
PHYSICAL	
Weight	Appr 75 kg
Enclosure H x W x D	600 x 450 x 670 mm, 2mm SS316 + Gas Detector height 220 mm
Display purge controller	BT871 external display
Display H2 Gen	Internal
MECHANICAL CONNECTIONS	
Hydrogen outlet	1/4" SS 316 Tube connection
Vent 3x	NA
Water fill	1/4" SS 316 Tube connection
CERTIFICATION	
ATEX	Presafe 19 ATEX 14396X
IECEX	IECEX PRE 19.0026X

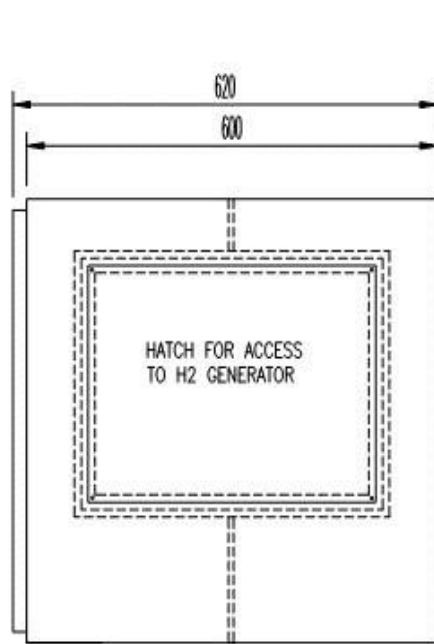
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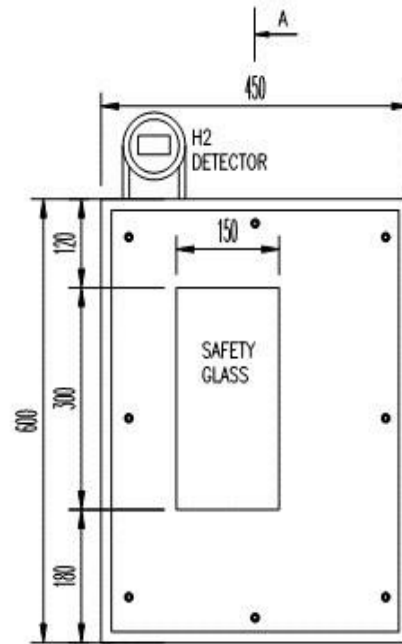


TECHNICAL

DIMENSIONAL DRAWING

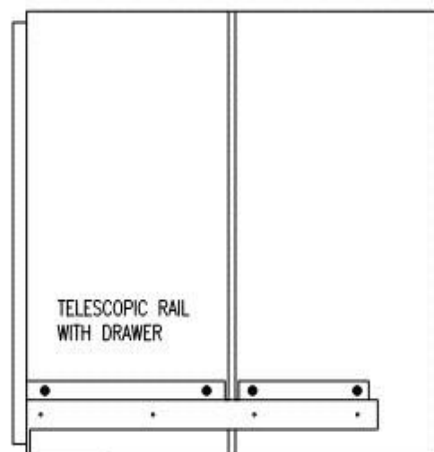


LEFT

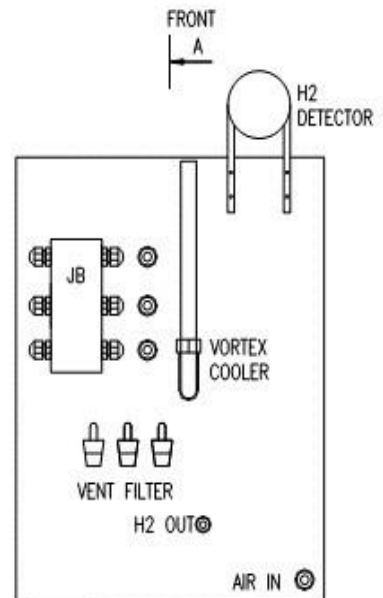


FRONT

REMOVABLE FRONT COVER



A-A



BACK