



Quick start manual. Hydrogen Generator PGH₂ Series.

1. Unpack the Hydrogen Generator and place it on a flat, level, vibration-free, shock-free surface. Do not place the generator over a source of heat. Leave at least 30 cm of free space at the rear for ventilation.
2. Connect the hydrogen outlet port at the rear of the generator to the 1/8" tubing, using a stainless-steel or copper Swagelok connector. Connect the tubing to the application.



3. Remove the caps from the oxygen and the hydrogen vents.



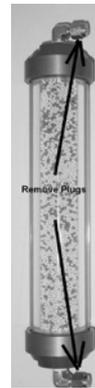
4. Install the desiccant cartridge in its slot inside the door on the front of the generator. Be careful: connect the tubing hand-tight only!



Step 1



Step 2



Step 3



Step 4



Step 5



Step 6



5. Fill the generator with distilled or deionised water, removing the cap on the water tank. After having filled the tank with water, the deioniser bag (supplied) must be placed in the tank. Inspect the bag thoroughly for holes or tears, indicated by loose deioniser beads on the outer surface. If the bag is damaged in any way, discard and replace it with a new one. Insert the free end of the "T" fastener through the hole in the centre of the cap and then replace the cap.



6. Close the shut-off valve located on top of the unit, next to the water tank cap.
7. Turn the "POWER" switch to the "ON" position.
8. Enter the desired set pressure, using the arrow buttons on the keypad.
9. Press the "START" button to start the unit.
10. The unit will immediately begin to build up pressure. The liquid crystal display (LCD) will show the message "Reaching Normal Pressure", and the H₂ flow bar will indicate maximum flow (fully illuminated).
11. Wait until the act pressure reaches the set value. These values are shown on the LCD.
12. Once the pressure reaches the set value, the LCD will show the message "Normal Pressure" and the H₂ flow bar will indicate no flow.
13. Open the shut-off valve. Initially, the outlet pressure will fall.
14. After the initial pressure drop, the outlet pressure should stabilise at the set pressure. A continuing drop in pressure indicates a gas leak in the external equipment or an elevated hydrogen consumption.
15. The generator is now in normal operating conditions.

Normal Flow			
Press.	Act.	7	bar
	Set.	7	bar
Flow			
Water	■	■	■

Please note:

In the event of any faults or damage, first notify the agent or distributor who supplied the unit. If this is not possible, inform the producer directly. Please also provide full details of the problem, plus the model and serial number. Instructions will then be provided for the service or the return of the unit. The device will be received and repaired only if return authorisation is provided by the producer as per these instructions.

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