

HYDROGEN GAS GENERATOR

SCH2-260.11



The **SCH2-260.11** uses the newest PEM (Proton Exchange Membrane) technology for production of pure hydrogen by water electrolysis. It includes exclusive static drying permeation membrane avoiding time waste for cartridge drying. Only pure water, distilled or deionized, is required to provide trouble free long-term production of Hydrogen. The small internal gas volume (<50 ml) makes the **SCH2-260.11** safe for operation in spaces where hydrogen cylinders are restricted or not allowed. The auto shut-off procedure sets the unit in standby in case of internal error. Selectable alarms inform the user whenever operating conditions vary from set point.

The water conductivity is continuously monitored before entering into electrolysis cell to ensure a good quality of produced hydrogen. The hydrogen gas stream passes two drying steps with **NO MAINTENANCE** by the operator.

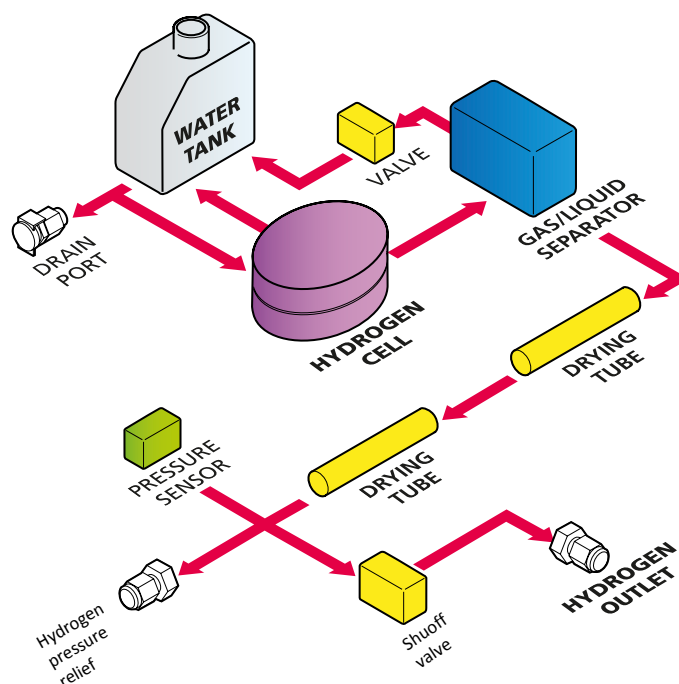
The gas pressure level is monitored all the time and regulated at requested set pressure by the keyboard

The **SCH2-260.11** incorporate an auto shut-off procedure if technical problems, like internal/external leakage occurs.

Remote control and automatic water refill for longer autonomy of the instrument are available.

SCH2 -260.11 OPERATING DIAGRAM

- ✓ Purity 99.9996%
- ✓ Flow Rate 260 ml/min
- ✓ Outlet pressure 11 bar
- ✓ PEM Technology
- ✓ Easy to install and operate
- ✓ No dryer cartridges to regenerate
- ✓ No caustic solution



SCH2-260.11

SUITABLE FOR

- Gas Analyzer
- Carrier Gas for GC and Fast GC
- Auxiliary gas for FID/FPD
- Sulphur Analyzer
- Hydrocarbon Analyzer



MODEL modello	SCH2-260.11
Flow ml/min.	260
Cascading	Optional (up to 10)
Weight (kg)	17
Dryer	Exclusive and static automatic dryer
Membrane	Polymer membrane for electrolytic cell (PEM)
Purity	>99.9996%
Outlet pressure	1-160 psi/0.1 -11 bar
Internal gas volume	<50 ml at max pressure
Display	Parameters, Status, Alarms
LED indicators	On/off, Ready, Error
Options	RS-232C or RS485, Autorefill, External contacts, PC-control
Water quality	Deionized or demineralized water
Power	110-120V 60Hz / 220-240V 50Hz
Dimensions (mm)	230W x 480H x 370L
Connections	1/8 swagelock
Certification	CE, CSA-UL, ATEX