

SRI Model H2-100mini

February 2022

This is the SRI H2-100mini hydrogen generator

Hydrogen generators are very convenient and eliminate the need for compressed gas cylinders.

The SRI H2-100mini makes the same amount of hydrogen gas (150ml max) as the larger H2-100 but is significantly smaller and lighter..

The H2-100 has a larger water tank (4 liters) compared to the H2-100mini which has a 1 liter water tank. The H2100 has two larger dessicant tubes while the H2-100mini has a single dessicant tube.

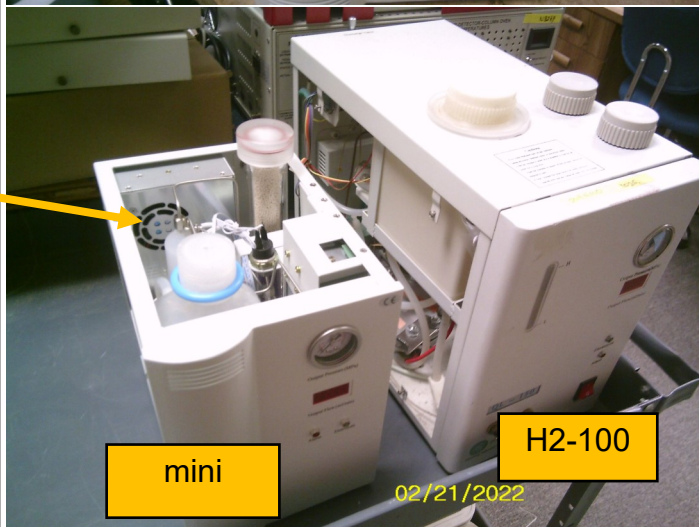
The covers are shown removed.

Distilled water must be used. Lab grade water, purified water, 10megaohm water etc are not allowed as their use can damage the H2 separation cell's membrane.

Dimensions of the H2-100mini are 12" high x 12" deep x 8" wide.

Weight is 22 lbs.

Shipping weight is 33lbs



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The cover is easily removed to show the H2 separation cell

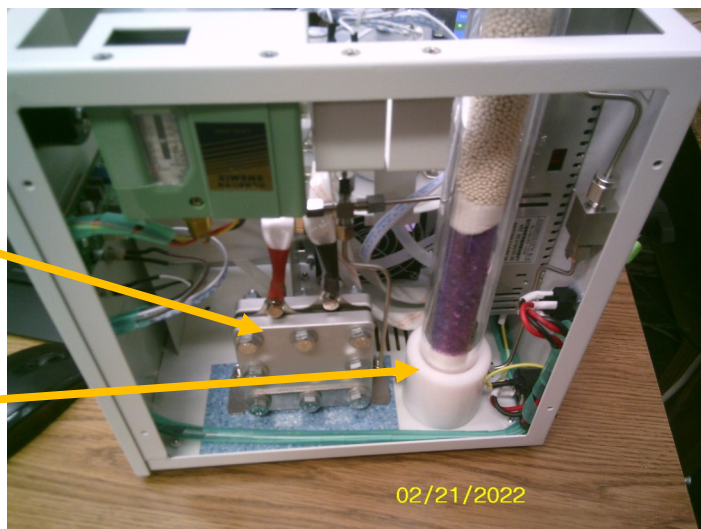
And the dessicant tube.

The purple dessicant is indicating silica gel. This primarily absorbs water and the color changes to pink as water is absorbed. 10 minutes in a microwave drives the water out and restores the color to purple.

The white pellets are molecular sieve to absorb both water and CO2.

The pellets are held in place with glass wool so the pellets can be reconditioned in a microwave whenever maintenance is performed.

A shut-off valve is located on the rear along with the 1/8" Swagelok outlet fitting and the power switch.



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The mini can actually make 150ml/minute which it does when it is first turned on.

As the internal pressure rises, the H2 generation stop when the pressure reaches 60psi.

If gas is withdrawn from the mini, the display shows the amount of H2 the unit has to produce to keep the pressure at 60psi.

Its best not to withdraw more than 100ml./min since H2 generators in general work most reliably when running below their maximum capacity.

The carrying handle is very convenient.

To Order:

SRI part# H2100-mini 2022-H100

February 2022 price \$3542

Check pricelist for current price

1 year warranty



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