



HYDROGEN LEAK DETECTION FOR HEAT EXCHANGERS



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The newly developed leak detection system for heat exchangers based on a diagnostic tool HLD automatic, sets new trends for accurate and fast detection of leaks and material fatigue in plate and tubular heat exchangers.

The use of hydrogen, which has low viscosity and small mass molecules, enables the HLD 600 automatic to analyze the diffusion of hydrogen molecules through plates and gaskets and to spot the damage or corrosion of a heat exchanger plate even at its early stage, prior to leak occurrence.

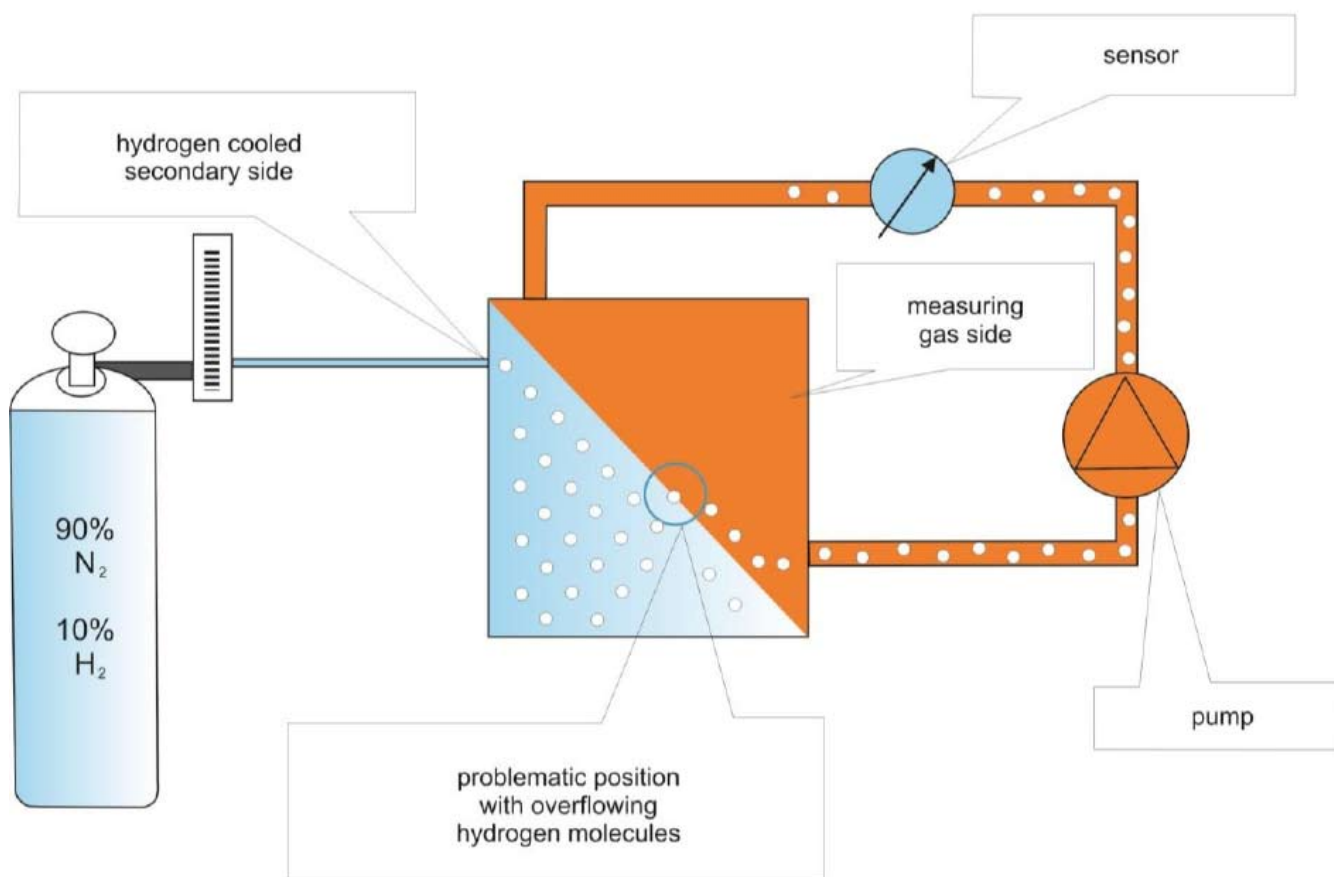


5% hydrogen 100% safety

Hydrogen leak detection is the single best method for heat exchangers inspection. It is fast, reduces downtime and saves money. The method is noninvasive since it does not require disassembly of heat exchangers prior or after testing or replacement of gaskets. It saves time needed for inspection and reduces costs of service

Hydrogen method is also safe for your equipment – the 10% mixture of hydrogen and nitrogen has been approved by the food industry (E949).

Flow chart for hydrogen testing method



**Our Precision and Accuracy
for Your Safety**

Your benefits:

- fast measurement – reduced downtime
- no disassembly required
- cost cut of heat exchanger inspection
- non-invasive and safe method – the mixture used is food industry approved (E949)
- corrosion detection at early stage prior to leak occurrence



The JMR Europe company offers leak detection services for heat exchangers using the hydrogen method. Visit our web page at www.jmreurope.eu or contact us.



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