

OXIGEN PERMEABILITY TEST COMPARASION

Determination of the oxygen permeability OTR according to UNI 11311:2009, which provides for the isostatic procedure and the use of instrumentation Mocon OX-TRAN 2/60.

Operating Conditions:

- 23 ° C
- RH 35±5%
- Partial Oxygen Pressure 0,21 bar
- Barometric Pressure 748±1 mmHg
- Carrier flow 10cc/min

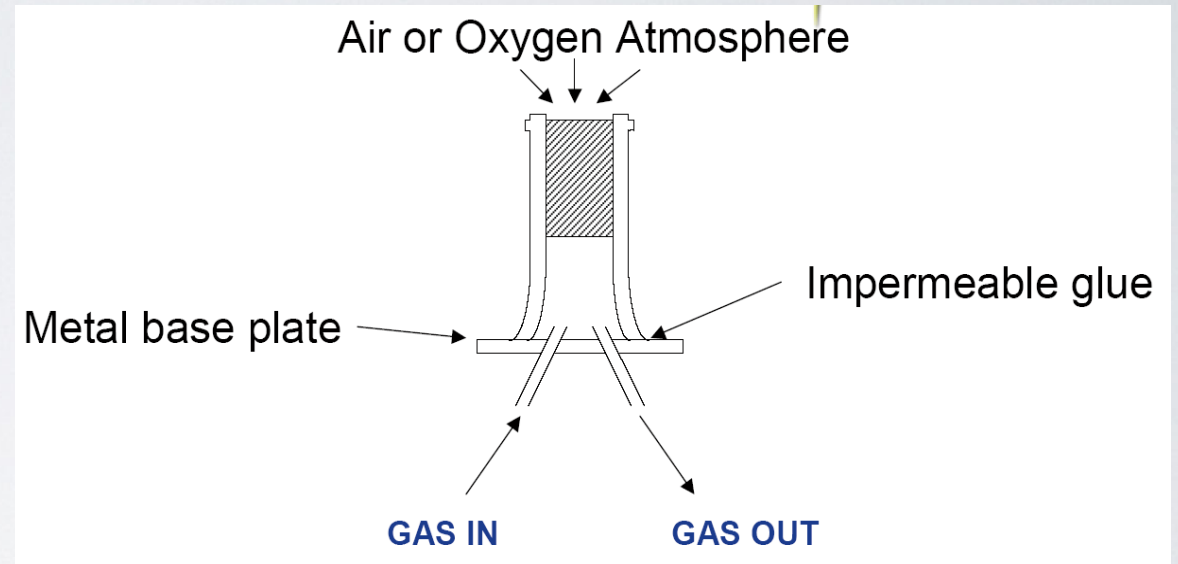
The packages have been glued on a metal support by a epossidic glue bicomponent then on it are welded two tubes of copper with fittings 1/8.

The sample thus assembled is connected to the inner half-cell apparatus.

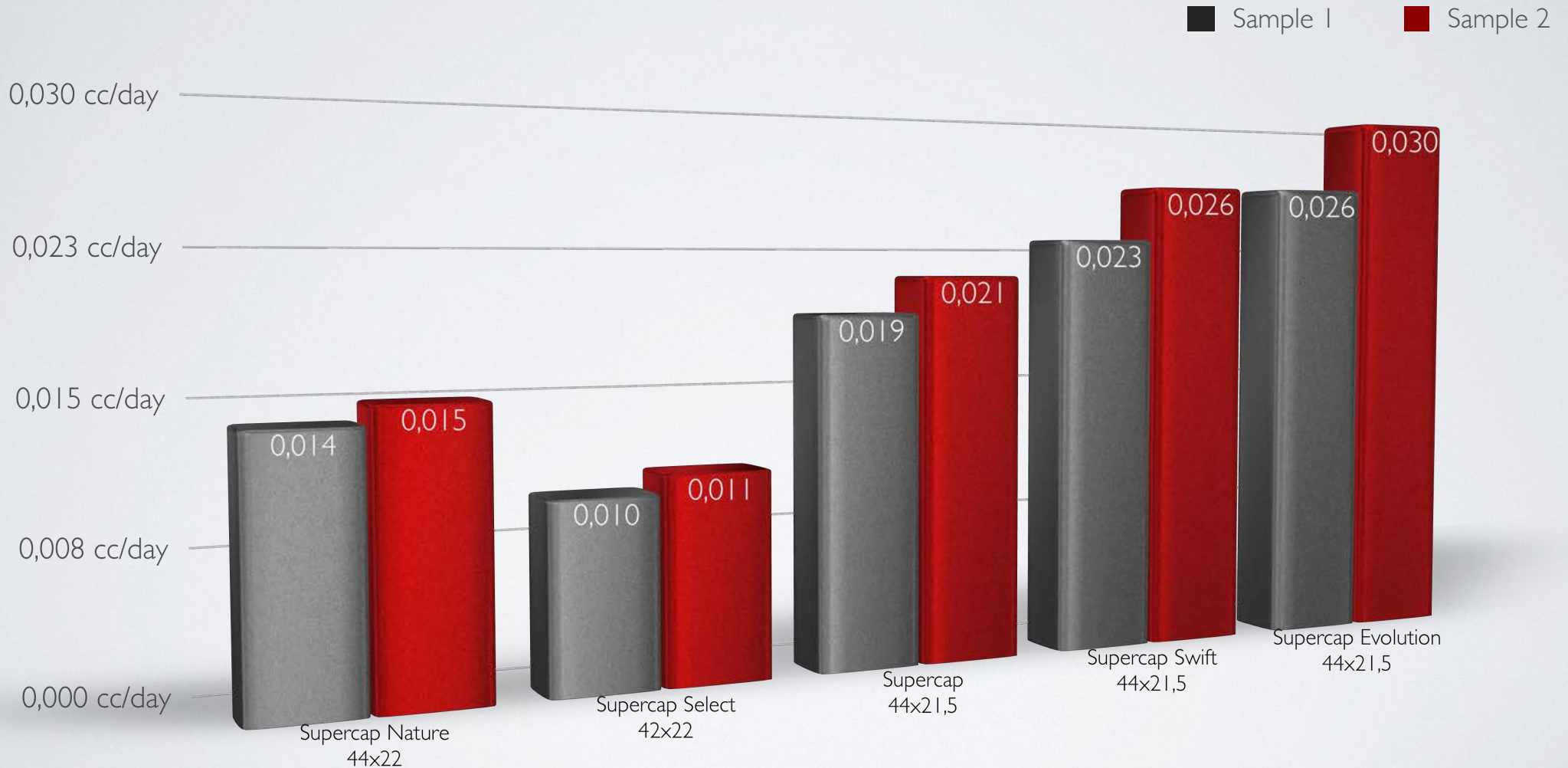
In the interior of the sample then flows the carrier (nitrogen + 2% hydrogen) which leads to the detector oxygen ambient air which penetrates inside the system.

The measures consist of an assessment of the amount of oxygen through the stopper and all the connections reach the coulometric detector.

The oxygen permeability of the cap is then given by the difference of the signal produced by the detector, steady-state.



OXIGEN PERMEABILITY



the results are intended cc/closure per 24 hours per air:

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