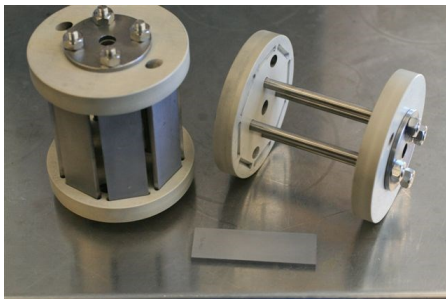


PMAC Rotating Cage Coupon Test Apparatus

This ASTM G170 technique was developed to allow for a more detailed evaluation of the effectiveness of corrosion inhibitors under severe field conditions within a laboratory environment. The high shearing capability of the Cage is a valuable tool when used in cooperation with the Rotating Cylinder Electrode technique (RCE).



The cage is especially useful in evaluation of:

- flow effects on corrosion (a limitation of the RCE technique)
- inhibitor effectiveness under variable shearing conditions
- rapid screening of inhibitors

Rotating Cage Apparatus



The Rotating cage is an assembly attached to a rotator, whereby a number of corrosion coupons are mounted between two discs. The assembly may be then mounted into a low pressure vessel for rapid screening of corrosion inhibitors or into a HPHT Autoclave for a detailed evaluation. PMAC Rotating Cage apparatus is a complete stand alone set-up, complete with a belt driven stirrer motor, cage for 6 x 2 1/8 " standard corrosion coupons. It has a standard glass cylinder vessel.

PMAC are able to supply a variety of test coupons to client specifications.

Pressurised Systems

The PMAC HPHT Autoclave can be fitted to hold the Rotating Cage Assembly, providing a greater scope in understanding corrosion and corrosion inhibition management.

Alternatively, the Cage can be designed to be interchangeable for fitting into the PMAC Autoclave RCE set-up (see our autoclave data sheet for specifications).

For high temperature high pressure RCE testing capabilities, please refer to our Autoclave brochure or contact us.

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