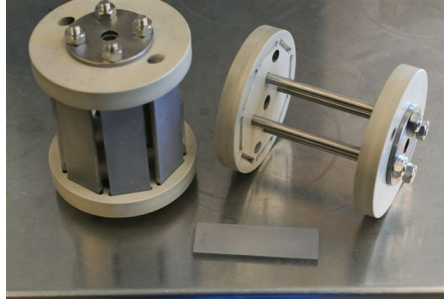


PMAC Rotating Cage Coupon Test Apparatus

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).

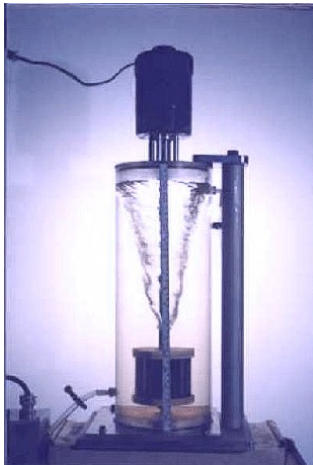


The cage is especially useful in evaluation of:

- 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.

Process
Measurement
And
Control
Systems

Flow Assurance
Specialists

Products and
Services for
Corrosion &
Erosion Integrity
and Monitoring

UK Office

PMAC House
Greenhole Park
Greenhole Place
Bridge of Don
Aberdeen UK
AB23 8EU

Phone: +44 (0)1224 703032

Fax: +44 (0)1224 821660

E-mail: sales@pmacsystems.com

Singapore Office

#01-01, 19 Loyang Way
Changi Logistics Centre
Singapore
508724

Phone: +65 6214 9029

E-mail:

asia.pacific@pmacsystems.com