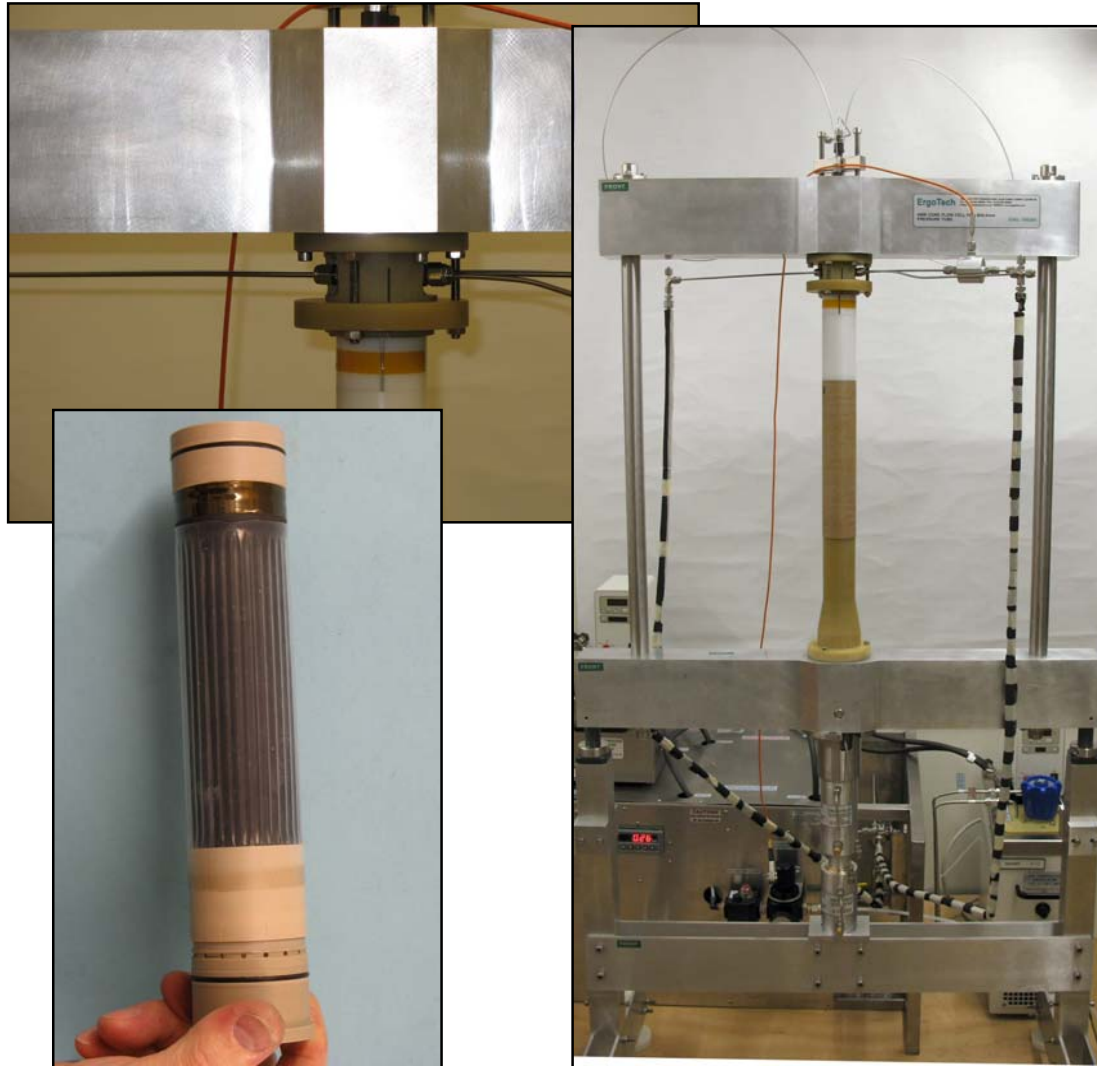


## Elevated Temperature Triaxial Core Flow Cell System for Maran Ultra Bench Top Apparatus



### Features:

- The ErgoTech Triaxial Cell is of a unique “high volume filling factor design” enabling the loading of up to  $\varnothing 38.1\text{mm} \times 100\text{mm}$  (minimum 30mm long) long cores in the useful magnetic field of the apparatus.
- Maximum Confining Pressure of 3200PSIG (220BARG) at 130°C.
- Maximum Axial Load of 39.9kN with 350BARG pressure in load applying hydraulic jack.
- The position of the sample is also vertically adjustable whilst under Triaxial loading to find the so called “sweet spot” for optimum analytical discrimination/resolution.
- The Glass Fibre PEEK/PEEK composite pressure tube is vacuum and pressure impregnated with low viscosity high temperature epoxy resin to render it gas tight. It is rated at 3,200 PSIG working pressure at 130°C capable of accepting  $\varnothing 38.1\text{mm}$  core with 0.5mm thick “Vug-Guard”
- The counter- current flow regime in the annulus is achieved by a new design of “Splined/Corrugated Counter-Current Flow Baffle” (a precision moulded 0.1mm thick thermoplastic Teflon FEP - polytetra fluoropropylene).
- The equipment comes complete with custom designed auxiliary tools for the insertion and removal of the special Fluoro GF core sleeve mounted on it PEEK adaptors and the test core.
- The complete deliverable equipment package contains only one Fluoro GF core sleeve mounted in the composite pressure tube of the apparatus and one GlassFibre /PEEK Vug-Guard separately. One Dummy  $\varnothing 38.1\text{mm} \times 30\text{mm}$  and  $\varnothing 38.1\text{mm} \times 100\text{mm}$  in Delrin (Polyacetal plastic ) is also supply for external practicing of sample loading prior to loading real samples in core flow cell prior to installing it around the MARAN.
- The apparatus can be supplied with ErgoTech purpose built Heated Pressure Circulator / Maintainer capable of 350BARG (5000PSIG) at an operating temperature of 150°C - see associated literature.
- A purpose designed portable non-magnetic workbench can also be supplied to meet the client’s needs - please see associated literature.

I:\PROMOTION - QUOTES - INFORMATION\NMR\Promo - NMR.doc

This manual is copyright (c) and the associated procedure is the property of ErgoTech. It is issued confidentially to parties interested in acquiring the process and to authorised/licensed clients using it. The manual is not to be reproduced or circulated by any parties without the written consent of ErgoTech which will not be unduly withheld. The manual must not be mounted on any display boards or reproduced in reports without the written consent of ErgoTech. When permission is granted the reproduction must be identical to the original and the ownership the manual and the process embodied acknowledged to ErgoTech by displaying “ErgoTech (c)”