

ADVANCED HYDROSTATIC SLEEVE PRESSURE LOADED Pc/RI CORE FLOW CELL WITH CLAMP & PANEL MOUNTING SWIVEL MECHANISM ©

The core flow cell is manufactured in high strength stainless steel (17/4 PH - Condition H1150). The wetted parts exposed corrosive brines are made for super duplex stainless steel (UNS 32760) and austenitic stainless steel 316L. Due to the versatile design of the equipment all wetted parts can be interchanged with other special alloys such as Ti6A14V and Hastelloy C-276 at a later stage. All "O" rings are Fluoroelastomer B 90 IRHD hardness.

The apparatus is a combined core flow cell and Pc/RI apparatus by virtue of the electrical insulation of the telescopic process line and the separation of the flow and dP lines.



The cell is designed to 38.5 MPa pressure at 200°C in accordance with BS5500: 1991 pressure vessel design code. It will be pressure tested for 1 hour at room temperature at 1.5 times the design pressure multiplied by the strength reduction factor of the cell body alloy at 200°C. The cell body is engraved with a serial number, test pressure and date which are also listed in a Certificate of Pressure Test.