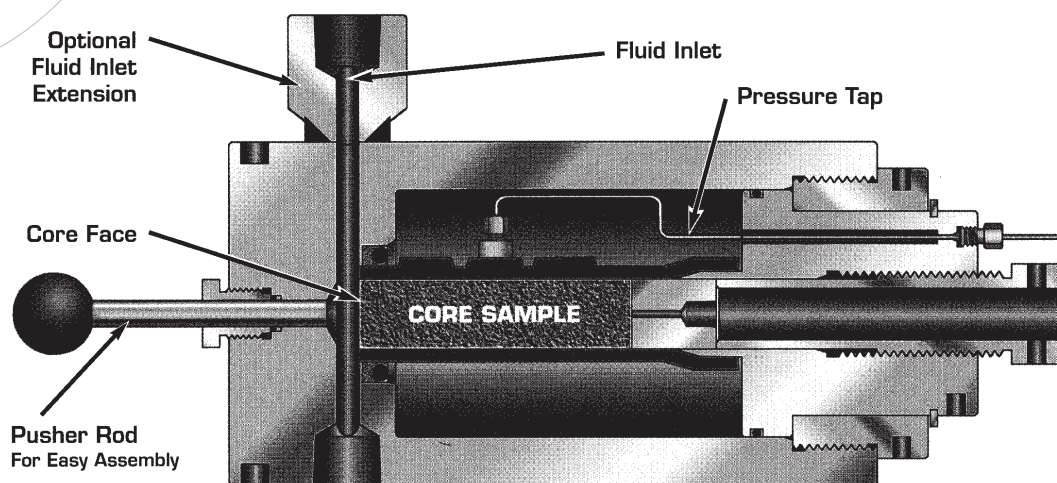


Temco, Inc.

Design Excellence in Core Analysis Instrumentation

Dynamic Formation Core Holders- DFCH Series



Temco worked with the University of Texas in the mid 1980's to develop a new, dynamic measurement core holder for the testing of formation damage due to drilling fluids and other treatment chemicals. The design that was developed is the DFCH series of core holder. Since its development, over 20 companies are currently using the design to evaluate the damage caused by drilling fluids.

The key element of the design is the ability to flow across the core face, without inducing a change in the flow direction. In other words, the fluid needs to flow directly across the core face. A channel had to be provided prior to and after the core face for the fluid to flow without a significant restriction. The picture above shows that the fluid flow is directly past the core face, without the introduction of a changing flow pattern caused by a rapid turn at the core face. During a test, the test fluid is circulated through this channel at a fixed pressure. A second pressure is set at the core outlet with the use of a back pressure regulator. This establishes a leak-off pressure that can be varied by the customer. During the test, a filter cake will build up at the core face and the damage to the various sections of the core sample can be observed with the use of pressure taps along the core sleeve and a series of pressure transducers.

Ordering information:

Core Diameter: _____ Core Length: _____

Confining Pressure: _____ Pore Pressure: _____

Working Temperature: _____ Pressure Tap Location: _____

Wetted Material: _____ Inlet ports: _____

If you require any additional information, please contact Temco, 918-834-2337, sales@temco.com.