Temco, Inc.

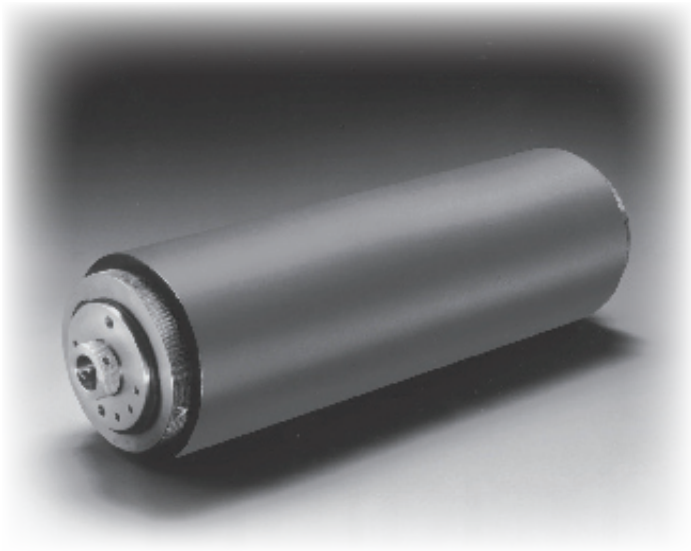
Design Excellence in Core Analysis Instrumentation

X-Ray Core Holder

FCH Series

Applications

- X-ray CT scanning system
- X-ray linear scanning system
- Gamma scanning system
- Two and three phase relative permeability flow studies
- Secondary and tertiary flow



Proven Design

X-ray and Gamma scanning measurements are widely used to analyze the fluid flow properties within the reservoir. These core holders are used for this application. The core holders offer an aluminum body which is over wrapped with carbon fiber composite. The aluminum-composite body absorbs less X-rays or Gamma rays than an all aluminum core holder and is more cost effective than a carbon fiber epoxy core holder. With the lower absorption, dual-energy studies can still be performed at high pressure. The composite aluminum body has a uniform thickness throughout the length of the core, so measurements can be easily performed. The internal parts of the core holder can be similar to the Temco Hassler, Biaxial, Tri-axial, or pressure tapped core holders. Please refer to the Temco RCH, HCH, TCH, or DCH Series catalog sheets for specific information.

If the core holder is supplied with pressure taps, then the pressure port fitting and tubing can be manufactured from PEEK or titanium material. The PEEK or titanium material is recommended for low Xray absorption. The thickness of the aluminum liner increases as the inner diameter, pressure, and temperature increase. At high pressures and temperatures, the required aluminum wall thickness, for safe operation, may have too much X-ray absorption. These factors are all taken into account by the experienced engineering staff at Temco to insure that a core holder will be delivered that will satisfy the requirements.

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Specifications

Diameter	1, 1½, 2 inch, 30, 40, 50 mm
Length	as required
Confining pressure	2,500, 5,000, 10,000 psig
Temperature	200°F, 300°F (93°C, 149°C)
Wetted material	316 SS, Hastelloy, Titanium
Fluid inlets	1, 2, or 3 each

Ordering Information

When requesting a quotation from Temco for a core holder, please provide the specifications that are required per the listed specifications. Please list any special features that are require for a particular application.