



Cayman™ Fail-Safe* Wellhead Penetrator

Innovative design prevents emissions and maintains well control in the event of a downhole tubing failure



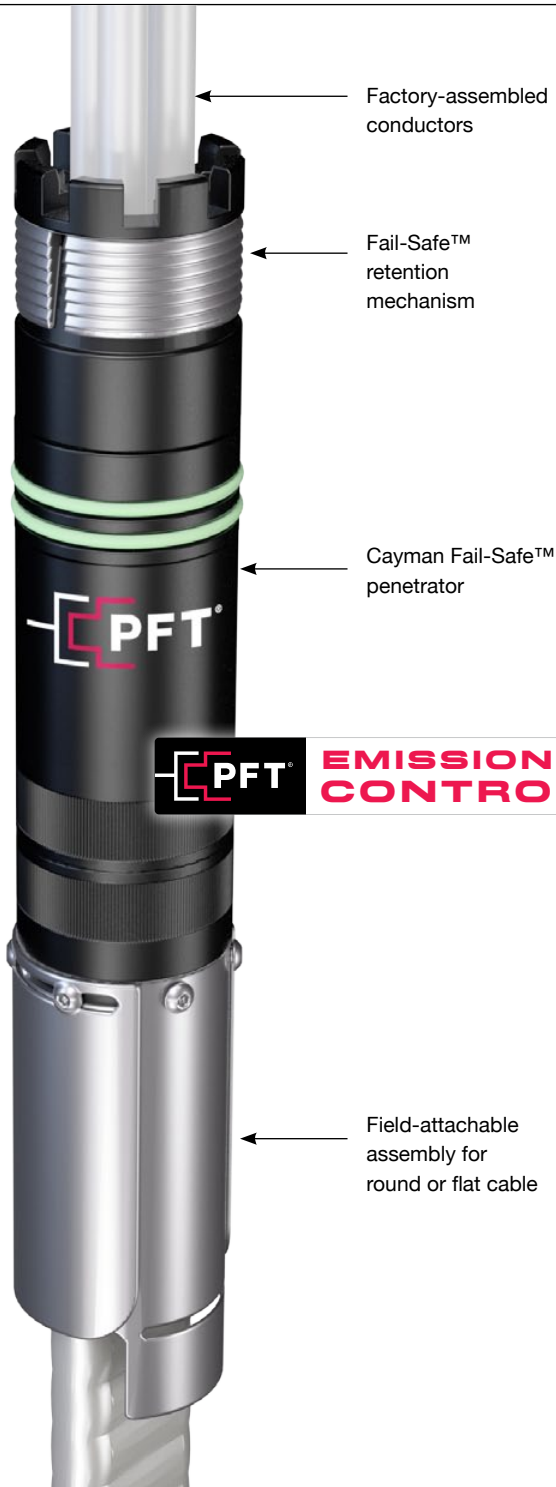
PFT's field-attachable Cayman™ Fail-Safe Penetrator represents an advance in safety with benefits to both field operators and the environment. The penetrator is equipped with a mechanical means of retention within the tubing hanger, as well as a mechanism to allow the ESP cable to pull away under a prescribed load. In the event of a downhole failure of the production tubing, seal barriers remain in place and well control is maintained.

Comparable systems currently in use offer no means of retention. In the event of a tubing failure the entire penetrator will be pulled from the tubing hanger, leaving an open pathway for wellbore fluids to escape to the atmosphere. Such circumstances may jeopardize public safety, as well as damage the surrounding environment.



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FEATURES

- Field-attachable and rebuildable system
- Black anti-corrosive/anti-galling finish
- Floating seal
- Dual opposing cable seals for mirrored protection
- Redundant pressure barriers
- Compatible with BOP test running tools

SPECS

- Compatible with various ESP cable sizes
- 5,000 psi (proof tested to 7,500 psi)
- 5kV (proof tested to 20kV)
- 180A (depending on cable size)
- Up to 350° F (175° C) depending on operating requirements and conditions
- Haz-Loc surface LB configurations available
- 1-3/4" slim profile (can be configured for other profiles as well)

PEEK™ Insulator

PEEK™ is well suited for all downhole applications. Depending on the material grade, PEEK™ can work continuously at 260° C (500° F). PEEK™, in comparison to molded rubber, does not take a "set" when put into compression nor is it subject to gas penetration.

Cable Seal Assembly

Our innovative "floating" cable seal design incorporates the latest technology in elastomers with the ability to adjust to thermal expansion and decompression.

Connector Body Parts

Components are carbon steel and meet NACE MR0175 specifications. The black finish provides maximum corrosion protection as well as lubrication for the threaded components.