



**POWER FEED-THRU
SYSTEMS & CONNECTORS LLC**

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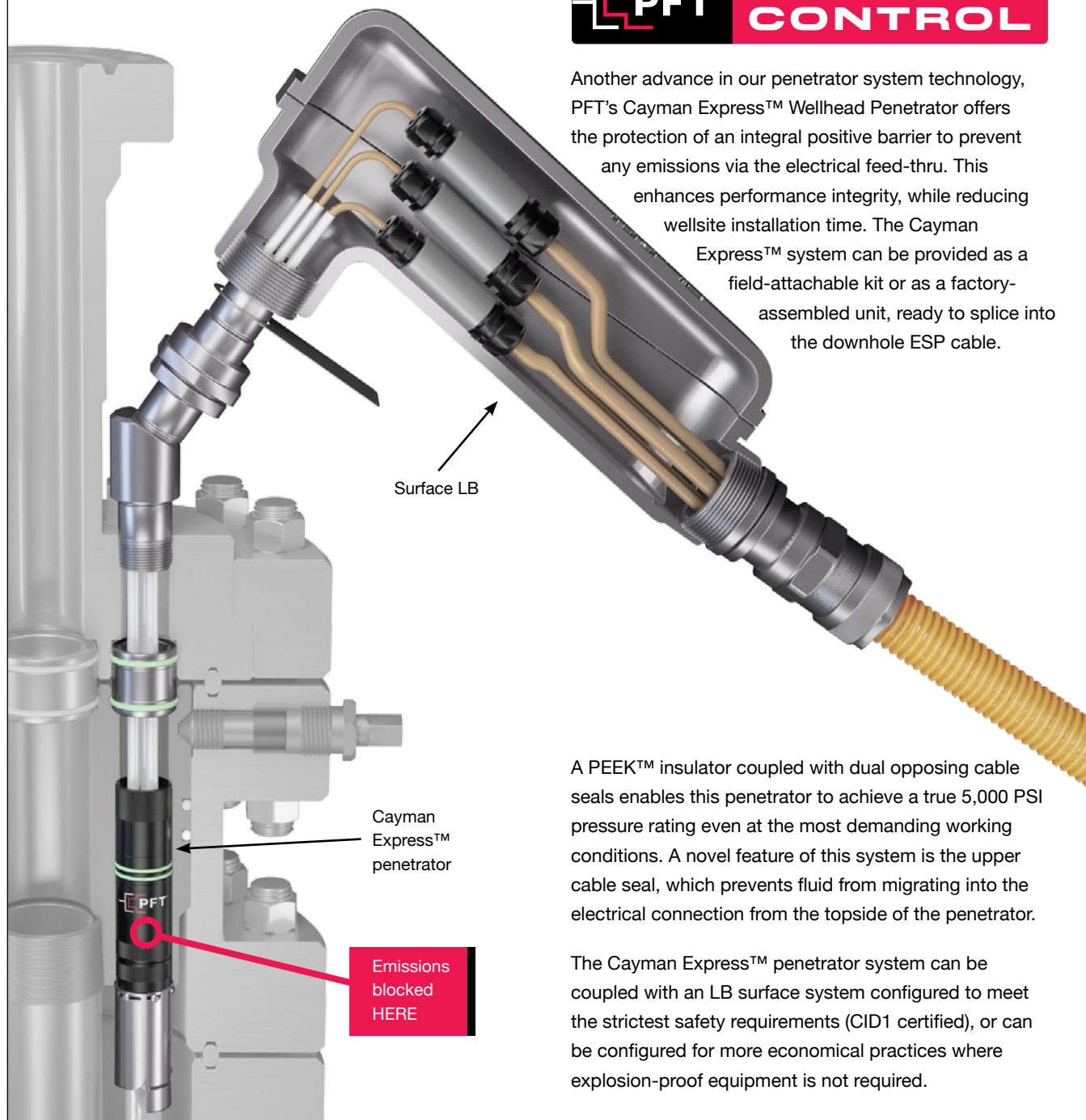


Cayman Express™ Wellhead Penetrator

An integral positive barrier prevents emissions at the wellsite in this 1-3/4" slimline penetrator system



Another advance in our penetrator system technology, PFT's Cayman Express™ Wellhead Penetrator offers the protection of an integral positive barrier to prevent any emissions via the electrical feed-thru. This enhances performance integrity, while reducing wellsite installation time. The Cayman Express™ system can be provided as a field-attachable kit or as a factory-assembled unit, ready to splice into the downhole ESP cable.



A PEEK™ insulator coupled with dual opposing cable seals enables this penetrator to achieve a true 5,000 PSI pressure rating even at the most demanding working conditions. A novel feature of this system is the upper cable seal, which prevents fluid from migrating into the electrical connection from the topside of the penetrator.

The Cayman Express™ penetrator system can be coupled with an LB surface system configured to meet the strictest safety requirements (CID1 certified), or can be configured for more economical practices where explosion-proof equipment is not required.



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FEATURES

- Black anti-corrosive/anti-galling finish
- Floating seal and I-Seal™
- Dual opposing cable seals for mirrored protection
- Redundant pressure barriers
- Compatible with BOP test running tools

SPECS

- 5,000 psi (proof tested to 7,500 psi)
- 5kV (proof tested to 20kV)
- 200A (depending on cable size)
- Up to 400° F (204° C) with use of FEPM/FKM/FFKM elastomers
- 1-3/4" slim profile (can be configured for other profiles as well)

PEEK™ Insulator

PEEK™ is extremely 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. Combined with our oversized copper contacts, PFT Black Gator® connectors offer a longer run life.

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. Stainless steel components are also available.