



IGNIS-PFP BOX™

MAXIMUM JET FIRE PROTECTION

The IGNIS-PFP BOX™ provides highly effective protection against potential jet fires in the oil and gas industry. Fires in this industry can have catastrophic consequences and proper protection of critical and explosive components is essential.

The IGNIS-PFP BOX is a customized and certified fire protective box, panel or wall made out of 316 stainless steel material with a composite multi-layer insulation core that provides superior passive fire protection.



HIGHEST LEVEL OF FIRE PROTECTION

- JF150 (ISO 22899-1)
- Customized
- High-grade insulating core provides protection for both installations and personnel
- 316 stainless steel inside and outside
- Also for walls and panels

CONSTRUCTION

Fire protection boxes can be fully customized to fit the application that can be both offshore and onshore. The panels from which the boxes are constructed, have been tested at flame temperatures of 1,150°C and provide a fire protection for 2.5 hours under extreme jet fire load. During this exposure, the panels retain their integrity and ensure, thanks to the high-quality insulation core, a relatively small and defined temperature increase on the inside. The double-sided stainless steel 316 panel provides a weatherproof, corrosion-resistant and maintenance-free protection.

With the self-supporting structure the IGNIS-PFP BOX is also suitable for use as a fire protection wall or panel.

LLOYD'S CERTIFIED

The IGNIS-PFP panel, which is the building block for IGNIS-PFP BOX has been tested for 2.5 hours according to the ISO 22899-1 2007 Jet Fire standard on the DNV GL test site at Spadeadam in the UK. At the end of the 2.5 hours of intensive exposure, a stable average cold face temperature of 178°C has been registered.

The test has resulted in a successful Lloyd's Register Certification (no. SAS F160347). The certificate and additional information are available on request.

HATCHES & ENTRIES

The IGNIS-PFP BOX can be provided with fire proof pipe penetrations, inspection hatches and air vent openings. Jet fire tests have been conducted at the Health & Safety Laboratory (HSL) in Buxton UK. During the tests, all elements retained full integrity and the air vent closed within 5 seconds after first flame contact. After one hour, the maximum temperature at cold face side remained limited to temperatures between 90°C and 150°C.

HYBRID SYSTEMS

The IGNIS-PFP BOX can be used in conjunction with fire-resistant jackets as a hybrid system. The Jackets, provided by a partner of IC are also certified in accordance with ISO 22899-1 2007.

IC - SOLUTIONS

Since 1977, IC engineers, delivers and installs fire protection, thermal and acoustic insulation solutions for the oil and gas industry. Our goal is to increase the reliability and safety in the industry and, where possible, to ensure energy savings. With its own design and production department IC can quickly respond to the needs and together with the client we will provide a 100% matching solution.



INSTALLATION & MAINTENANCE

Besides the installation IC also provides aftercare in the form of maintenance and periodic inspections of the fire protection. Also future assistance can be given when removing and placing the boxes and/or panels. Customized service contracts are available on request.



CONTACT OUR SPECIALIST TEAM

+31 (0)251 22 96 50

info@icbeverwijk.nl, www.icinsulation.com



ISOLATIE COMBINATIE BEVERWIJK B.V.

Biesland 24, 1948 RJ Beverwijk, The Netherlands

