

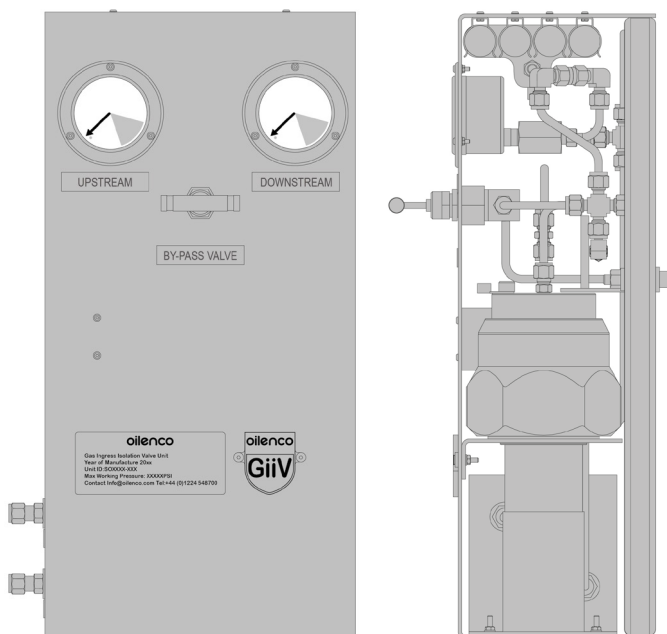
GAS INGRESS ISOLATION VALVE (GiiV)

A unique system that provides a safety barrier to prevent gas migrating up through the hydraulic control system.

The Oilenco Gas Ingress Isolation Valve (GiiV) allows continued, safe production in wells that demonstrate compromised control line integrity by isolating gas in the control system when the downhole safety valves are shut.

"Acts as a safety barrier"

The main advantage of the GiiV is there is no requirement for intervention to lock out the tubing retrievable subsurface safety valve (TRSSSV) to set an insert valve where gas ingress into the control line is apparent.



TECHNICAL FEATURES

- Completely automatic - opening and closing
- Activated by low system pressure
- Automatically re-opens during re-pressurisation of the control system
- Manages gas ingress safely
- Long term, low maintenance solution

HOW IT WORKS

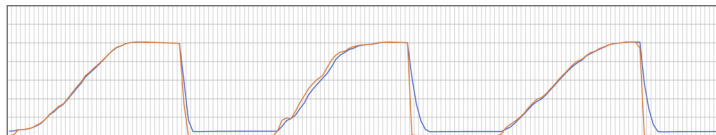
The GiiV can be positioned anywhere in the hydraulic line and connects directly into the control system.

In emergency shutdown (ESD), all wellhead tree valves and downhole safety valves close. The GiiV switches into a non-return valve activated automatically by low system pressure, preventing gas returns to the main control unit.

"Activated automatically by low system pressure"



Once the emergency situation is resolved and control systems are re-pressurised, the GiiV automatically reopens allowing operations and production to recommence. The entire process is fully autonomous and means the valve can be left to function repeatedly with minimal maintenance.



Graph showing pressure in the control line with GiiV installed

APPLICATIONS

- Wells with compromised control line integrity

FURTHER INFORMATION

To speak to one of our engineers about your application, or to discuss the GiiV solution, call **+44 (0)1224 548700** or email **info@oilenco.com**.