

## Single Wellhead Control Panel (Electro-Hydraulic)

This Wellhead Control Panel designed to control single well; the unit usually integrated fixed assembly but it can be designed as removable drawer module type.

It generally comprises of supply and SSSV return reservoirs, electrically driven hydraulic pumps, accumulators, pressure regulators, hand pump, filters and associated control and instrumentation for both, the LP hydraulic supply headers and the HP hydraulic supply headers. In this type of WHCP, LOW and HIGH pressure of pipeline are sensed by electrical pressure switches.

The Wellhead Control Panel is designed as a fully enclosed assembly with the Hydraulic Power Unit providing a common source of hydraulic power for each well control module.

The simplicity or complexity of the systems is purely down to the clients request based on the requirements of the project.

These type of Wellhead Control Panels are designed for controlling the Sub-Surface Safety Valves (SSSV), Surface Safety Valves (SSV), Wing Valves (WV) and Supply the hydraulic pressure for HIPPS and ESD Valves. The logic signal for controlling the system is hydraulic.



## WHCPs may have multiple applications, which include, but are not limited to:

- Safe and Sequential Operation of Wellhead Valves (SSSV/SSV/WV Etc.)
- Emergency and Fire Shutdown
- Flow line Pressure control
- Well Test Operation
- HIPPS /ESD Valve Control



## Key Features

- Can be integrated with PLC/RTU/SCADA
- Hydraulic Fusible Plug Loop
- Mostly used in Onshore Environment
- API RP 14C / API RP14B
- Eex 'd', NEMA-4X, IP65 Certified Panels
- NACE MR0175/ ISO-15156 Compliant Panels
- ASME, PED 97/23/EC Design Compliant Components
- Cleanliness Level to any NAS, ISO, SAE Level
- Protective coating for Harsh Environmental Conditions
- High Pressure High Temperature (HPHT) Panels
- Arctic Service Panels
- 3D Model Design Review
- Reliability and Availability Study
- SS316L Tubing Material

## Additional Services

- Installation / Training
- Start-Up Supervision
- Extended warranty
- Customized System