

Choke and Kill Manifolds



With a highly modular building block concept, our full range of choke and kill manifolds can improve operational access and reduced weight.

Our portfolio of manifolds can be used in a large variety of applications - from simple well intervention operations, to high temperature and high pressure (HTHP) environments.

Our choke and kill manifolds can be delivered as a stand-alone unit or as part of a system with a mud gas separator and mud and cement standpipe manifolds.

The manifold allows for the controlled bleed-off from the closed well, through manual and remotely operated chokes to a mud gas separator, to the flare booms, emergency diverting over board or to dedicated storage tanks.

The base design includes a symmetrical manifold to allow a full interchange between the choke line and the kill line.

There are buffer chambers with separate outlets to ensure that no single point of failure jeopardizes the operation.

Each pressure monitoring point is equipped with an isolation valve and a conventional pressure gauge, as well as, an electronic pressure transmitter. In addition, customer selected valve brands can be used for our choke and kill manifold.

The open structure of the frame and the control system ensure easy and safe access for operation and maintenance.

The choke and kill manifold meets all relevant offshore health, safety, security and environment requirements.

Benefits

- Inside frame design simplifies operational and maintenance access and reduces weight and space requirements
- Easy access to valves on the outside speed up maintenance and keep downtime to a minimum
- Integrated instrumentation with hydraulic control system, remote choke panels and glycol injection unit



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Technical Specifications

Pressure rating	5 000 - 20 000 psi
Main flow route piping	3 1/16 in and 4 1/16 in, depending on the application
Environment temperature	+14 to +131°F (-10 to +55°C), other temperatures on request
Equipment temperature class	Standard: P+U -20 to 250°F (-29 to +121°C) HPHT: P+X -20 to 350°F (-29 to +177°C)
Compliance and certifications	API-6A, API-16C and API-53, DNV-OS-E101-2013, ABS-CDS-2014, NORSOK D-001, NORSOK S-002
Manifold and valve trim	EE-1.5 or higher (acc. to NACE MR0175/ISO 15156)
Valve stem	17-4 PHW or higher
Special inlays	Inconel 625 on flange ring type joint delivered as standard. Optional Inconel 625 on seat pockets, steam seal and body/bonnet connection.

Data is subject to confirmation by the manufacturer.