MID LINE WEAK LINK

FLINT SUBSEA

Emergency Quick Disconnect (EQD)

The Mid-Line EQD is a full-bore, straight through, pressure balanced emergency quick disconnect (EQD) device suitable for operating up to 3000m. In the event of an over pull on the attached hose, the unit will separate and internal barriers will close off to prevent discharge of fluid to the marine environment.

SPECIFICATIONS

- Maximum operating pressure, 690 Bar (10kSI)
- Operating temperature range, -I8°C to +82°C.
- Maximum operating depth, 3000m
- API Class FF (Super Duplex) or API Class HH (Inconel 718)
- All products are supplied with EN 10204 3.1 certification as standard.
- Full pressure tests in accordance with API 6A 17D PSL 3 is supplied as standard. PSL3G can be supplied at additional cost.
- Full document packages are supplied with goods and include Certificate of Conformity and test report.
- Single easy to use documentation package.
- Full 3rd party witness inspection can be offered at additional.
- Certification available to API 17G, API 6A PSL 3 / 3G
- Hold back clamps available

OPERATION

The Mid Line Weak Link breakaway connector can be mounted on deck or mid-line in a hose. It is held together with prestressed tension pins.

The pressure balanced design features integrated check valves, which are held open faciliting bi-directional flow.

When the line tension exceeds the pin strength, they break, initiating the disconnect sequence. Once disconnected, the valves seal preventing discharge from both ends of the connector. The design ensures that marine discharge is minimised in the cycle. Valves prevent egress of bore contents to the environment. Optional valve prevents ingress of water to the bore.

The unit is also available with hydraulic override capability allowing it to be included into an ESD system.

Nominal Bore Size (inches)	Pressure Rating (Bar)	Length (mm)	Diameter (mm)	Total Weight (kg)	Male Weight (kg)	Female Weight (kg)
2	345	583	162	80	34.0	46.0
2	690	583	180	100	45.5	54.5
4	100	700	250	120	72.8	35.8