



FULL PRODUCT SPECIFICATION

This unique 1 ½" nominal bore coupling incorporates an integral self sealing check valve which eliminates the possibility of hydrate formation during deployment and interventions. The fixed male coupling is mounted to the sub-sea structure e.g. xmas tree, manifold.

The free female half contains a peek energised primary seal with a resilient seal redundant back up. Design allows for multiple make and break under system working pressures for the design life of 25 years.

The fixed coupling is connected to the distribution system via an API flange or similar.

Free half has a flexible thermoplastic jumper attached, via grayloc hub assembly.

Alternatively, the coupling may be utilised with all commonly used service media e.g. methanol injection, water and oil based control fluids.

DESIGN FEATURES

- ROV deployment and intervention is free flying using a work class ROV in accordance with A.P.I 17D ISO 13628-8 Class 4 receptacle.
- Male fixed or female free couplings
- Parking receptacles
- Pressure retaining caps
- Test Couplings

TYPICAL GAS COMPOSITION

Component	Mole %
Nitrogen	1.94
Carbon Dioxide	1.39
Hydrogen Sulphide	0
Methane	81.57
Ethane	-
Propane	4.31
i-Butane	0.63
n-Butane	2.3
i-Pentane	0.47
n-Pentane	0.51
Hexane Plus	0
Total	99.9

GENERAL

System W.P	448 BAR
Test Pressure	672 BAR
Fluid / Service	Gas Lift
Design Temp	90° C
Max Flow	300,000sm/day

WEIGHT

Male Coupling (air)	120 kg
Female Coupling (air)	57 kg
Male Coupling (water)	104 kg
Female Coupling (water)	49.5 kg

