



## FULL PRODUCT SPECIFICATION

Developed and designed in order to eliminate the procurement of additional expensive field umbilicals by offering the flexibility to hydraulically and electrically link (daisy chain) subsea step outs, without the need of additional infield umbilical's and provide the ability to re-configure the field layout during field life.

The purpose of the daisy chain distribution unit is intended to be a means of distributing hydraulic fluid supplies, methanol supplies and electrical connections from one subsea tree to a second subsea tree for use in deep and shallow water applications. This is a modularized, fabricated structure designed to be installed from a lift wire by a free flying remotely operated vehicle using a class 4 torque tool interface as described in API 17D and ISO 13628-8 for deployment on the subsea tree.

# Hydraulic / Electrical Emergency Quick Disconnect Unit (EQDU)

## DESIGN FEATURES

- Unique guidance system
- Comprises of two fixed inboard junction plates (male stabplates) and an outboard junction plate (female stabplate)
- Moving inner fabricated structure frame to house the hydraulic and methanol distribution lines
- Distribution unit and the two hydraulic infield umbilical termination heads are designed to mate and de-mate under full system working pressure

### GENERAL

|                    |               |
|--------------------|---------------|
| Vertical & Lateral | ± 75mm        |
| Orientation        | Z Axis ± 10°  |
| Azimuth/Elevation  | Y Axis ± 10°  |
| Bearing            | X Axis ± 10°  |
| Test Fluid         | Transaqua HT2 |

### MATERIALS

|                  |                |
|------------------|----------------|
| Male Stabplates  | UNS S31803     |
| Female Stabplate | UNS S31803     |
| Couplings        | Nitronic 50 HS |

### WEIGHT

|                          |        |
|--------------------------|--------|
| Actual Assembled Weight: |        |
| In Air                   | 2200kg |
| In Water                 | 1913kg |
| Unit Width               | 3413mm |
| Unit Height              | 1600mm |

