

## SeaConnect™

### 4/7/12 ROV Wet-Mate Connectors

RMSpumptoools field proven SeaConnect™ electrical connectors provide a wet-mate connection for all subsea monitoring and control requirements including Subsea Trees, production control systems and distribution units. The product utilises RMSpumptoools highly reliable proven connection technology. Jumper harnesses, splitter boxes, transducers are offered as part of the configurable system.

#### Specifications

Current Capacity:	20 amps per contact
Operating Temperature:	-5°C to 60°C
Working Depth:	4,000 metres
Voltage:	1 kV AC
Design Life:	25 years

#### Materials

Housing:	316 Stainless Steel or Super Duplex
Insulation:	PEEK
Elastomers:	Silicone, HNBR, Nitrile
Electrical Contacts:	Gold Plated Copper

#### Termination Options

##### Oil-filled Hose

1/2"NB oil filled hose termination.

Pressure compensation hose.

##### Field Installable Termination Assembly (FITA) Gland

Pressure compensating termination assembly onto cable.  
Oil-Filled termination chamber.

Can be terminated in customer facilities.

#### Qualification Testing

Contact & Insulation Resistance

Proof Voltage

1000 Mate/De-Mate Cycles

Functional Mate / De-Mate

Turbid Tank Partial Mate

Pressure Burst

Flooded Devices

Flooded Front End

Endurance

Thermal Cycles

Shell Continuity

Voltage Withstand

Shock (Drop Test)

Thermal Shock Test

Thermal Vibration Test

Temperature Rise

Connect / disconnect Force Testing

Short Circuit

High Voltage Breakdown

Flooded Back End

Flooded Back End Long term

Partial Discharge Testing

Bulk Head Test

Compliant Flange Test

Handle Test: Bending & Twisting

Helium Leak

Maximum Misalignment

Twisting

Jumper Pull

Jumper Handling Simulation

Oscillating Jumper

Simulated Deployment

#### ROV Handle Options

Paddle, Fish Tail, T-Bar

#### Key Performance Features

Patented Latching Device.

Flexibly Mounted ROV Handle.

Seawater Protected Contacts on both  
Male & Female.

No Dummy Connectors required for  
protection when unmated in Subsea  
Environments.

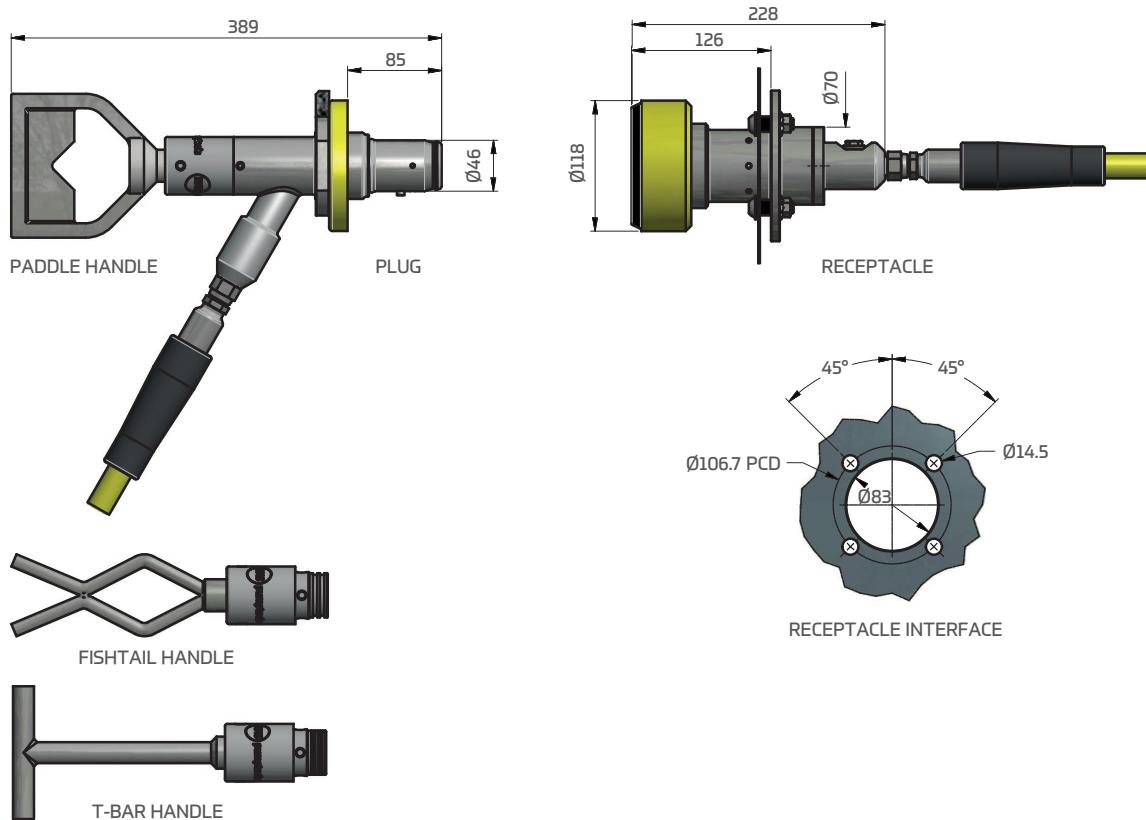
Oil Filled Pressure Balanced Design.



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### 4/7/12 ROV Wet-Mate Connectors

#### 4/7 Way ROV Wet-Mate Connectors (Hose Type)



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