

26" Subsea Tie-In Package

We have a variety of subsea equipment that is available for resale.

In this package, the core units are 2 x 26" Side Entry Subsea Ball Valves manufactured by Advanced Technology Valves (ATV), Italy. It offers the advantage of a compact envelope, reliable performance and a cost-effective solution. Metal-to-metal sealing has been used as it is the preferred choice for highest reliability in harsh service with the presence of solid particles, high pressure and high temperature.

The subsea ball valves are gear ROV operated, fully certified and come with all the operational components required, primarily manufactured by FES International. FES have built up a reputation for satisfying clients with a number of hotstab and receptacle products, providing high quality and cost-effective design and manufacture. FES products are used by operators and EPC contractors around the world.

The full inventory includes hotstabs, receptacles, dummy stabs, flanges and test rings in multiple sizes (2", 1/4", and 4") to name a few.

All assets in this package are brand-new, unused components.

Original Equipment Manufacturers

Below is a list of the core components of this 26" Subsea Tie-In Package.

A FULL LIST OF THE AVAILABLE ITEMS AS WELL AS A CERTIFIED MANUFACTURE RECORD BOOK (MRB) ARE AVAILABLE.

1. ADVANCED TECHNOLOGY VALVES (ITALY)

2 x 26" Side entry subsea ball valves

2. FES INTERNATIONAL (UK)

Multiple hotstabs, receptacles, weld test rings, spare kits, fasteners etc.

3. OMB VALVES (ASIA)

2" & 4" Subsea ball valves with gearboxes, 2" and 4" Subsea globe valves, flanges etc.

4. CONNECTOR SUBSEA SOLUTIONS (UK)

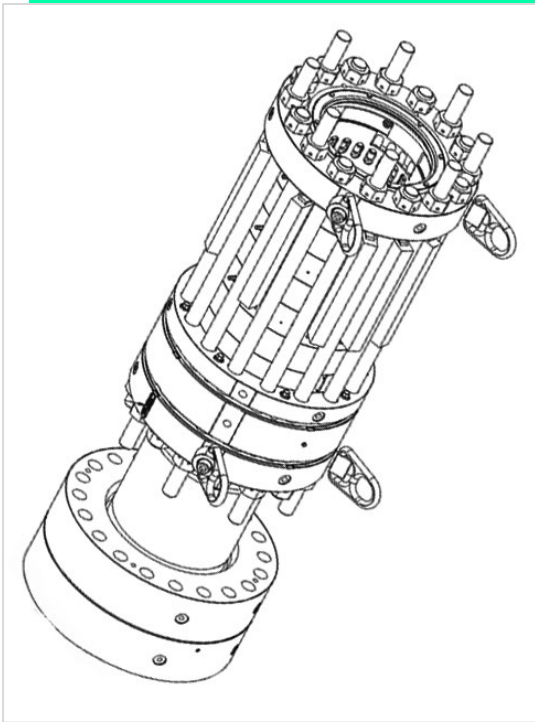
CSS 26in 3000S Morgrip Mechanical Connector Package (incl. blind flanges and flange studbolt assembly)



Asset Photos



Asset Photos



Bill Of Materials (BoM)

QTY	MANUFACTURER	DESCRIPTION	COMMENTS
2	ATV	26" Sub-Sea Ball Valves – Tag No TVT-01 & TVT-02	<p>Design Pressure – 199 Bar; Design Temp - 0°C / +90°C; Design water depth – 300 m; Design life – 25 years</p> <p>Standards compliance: API 6DSS / ISO 14723; Norsok M-630; ASME VIII Div.2; Norsok M501 system 7</p> <p>Material: Body Forging A694 F65, Ball A694-F60, Stem & Seats A182-F55</p> <p>Pressure retraining Fasteners: ASTM A320 L43 / ASTM A320 L7 / ASTM A194 Gr.7 (Coated Xylan 1424 Blue)</p> <p>Valve weight – 12930 Kg</p> <p>Service – Natural Gas</p>
2	ATV	Operator type: Sub-Sea Spur Gear	<p>Design Temp -10°C / +66°C</p> <p>Standards compliance - ISO 13628-4 (API 17D) ISO 13628-8</p> <p>Operator weight empty – 2902 Kg; Operator weight with Oil – 2917 Kg</p>
1	ATV	Qualification Testing / Certification	<p>One valve has been subject to complete qualification testing with independent verification (IVB) witness through each step of testing.</p> <p>*Leak testing *Hydro *Gas Body *HP LP Gas Seat *Hydro with bending *Gas body with bending *Gas cavity relief</p> <p>*Full dynamic cycle testing with full rage Temp rating *Torque measurement *Hyperbaric PR2 testing *Piggability testing</p> <p>The Body, Trunnion, Stem, Ball, Seats & pressure retaining fasteners are all EN10204 3.2 certified valves are compliant to API 6DSS Annex L3 / PR2 test requirements.</p> <p>Both valves have been subject to complete Factory Acceptance Testing as per code</p>

Bill Of Materials (BoM)

QTY	MANUFACTURER	DESCRIPTION	COMMENTS
2	FES International	2" Hotstab (Male) API-RP 17H Type 3 (Single Port Flow)	API 6A PSL 3G #1500; ROV Fishtail Handle; 316L Stainless Steel
2	FES International	2" Receptacle (Female) API-RP 17H Type 3 (Single Port Flow)	API 6A PSL 3G #1500, ID 49.22x5.54mm WT; Super Duplex UNS-S32760
2	FES International	2" Receptacle (Female) API-RP 17H Type 3 (Single Port Flow)	API 6A PSL 3G #1500, ID 50.74x4.78mm WT; Super Duplex UNS-S32760
6	FES International	2" Dummy Stab (Male) Protective Cap	ROV Fishtail Handle; Material UHMWPE
2	FES International	2" Dummy Receptacle (Female) Temporary Parking	Material UHMWPE
1	FES International	1/4" Hotstab (Male) API-RP 17H Type 2 (Dual Port Flow)	API 6A PSL 3 #2500; ROV Fishtail Handle; 316L Stainless Steel
1	FES International	1/4" Receptacle (Female) API-RP 17H Type 2 (Dual Port Flow)	API 6A PSL 3 #2500, ID 4.57x0.89mm WT; Super Duplex UNS-S32760
1	FES International	1/4" Dummy Stab (Male) Protective Cap	ROV Fishtail Handle; Material UHMWPE
2	FES International	4" Hotstab (Male) API-RP 17H Type 3 (Single Port Flow)	API 6A PSL 3G #1500; ROV Fishtail Handle; 316L Stainless Steel
2	FES International	4" Receptacle (Female) API-RP 17H Type 3 (Single Port Flow)	API 6A PSL 3G #1500, ID 100.02x7.14mm WT; Super Duplex UNS-S32760
4	FES International	4" Dummy Stab (Male) Protective Cap	ROV Fishtail Handle; Material UHMWPE
2	FES International	4" Dummy Receptacle (Female) Temporary Parking	Material UHMWPE
4	FES International	Weld Test Ring, 2" Receptacle (Female)	ID 50.74x4.78mm WT; Super Duplex UNS-S32760
4	FES International	Weld Test Ring, 4" Receptacle (Female)	ID 100.02x7.14mm WT; Super Duplex UNS-S32760
2	FES International	Spare Seal Kit, 2" Hot Stab	Material Nitrile/PTFE
1	FES International	Seal Change Out Tool, 2" Hot Stab	

Bill Of Materials (BoM)

QTY	MANUFACTURER	DESCRIPTION	COMMENTS
2	FES International	Spare Seal Kit, 4" Hot Stab	Material FFKM/PTFE
1	FES International	Seal Change Out Tool, 4" Hot Stab	
8	FES International	Spare Fasteners, Receptacle	M12x35mm Socket Head Screw ASTM A320 L7
8	FES International	Spare Fasteners, Receptacle	M20x55mm Socket Head Screw ASTM A320 L7
6	PFP/OMB Valves Asia	2" Subsea Ball Valve, Manual	Design Pressure: 198 bars Internal: ASTM A479 Body: ASTM A182 F55
6	PFP/OMB Valves Asia	2" Subsea Ball Valves, Manual	Design Pressure: 198 bars Internal: ASTM A479 Body: ASTM A694 F60
5	PFP/OMB Valves Asia	2" Subsea Ball Valve, Manual with Gearbox	Design Pressure: 198 bars Internal: ASTM A479 Body: ASTM A694 F60
2	PFP/OMB Valves Asia	2" Subsea Globe Valve, Manual with Gearbox	Design Pressure: 198 bars Internal: API 6A 718 Body: ASTM A694 F60
4	PFP/OMB Valves Asia	4" Subsea Ball Valve, Manual	Design Pressure: 198 bars Internal: ASTM A479 Body: ASTM A694 F60

Bill Of Materials (BoM)

QTY	MANUFACTURER	DESCRIPTION	COMMENTS
65		Flange Studbolt Assembly, Xylan Coating	Material: ASTM A320 L7 / ASTM A194 G7 (Each set consists of 3" X 1300mm Lg c/w double hex nuts)
4		Weld Neck Flange - 26" ASME CLASS 1500 RTJ Type	Material: ASTM A694 F65 c/w 3mm Inconel 625 Cladding on groove Designed to ASME Section VIII Div 2
3		Weld Test Rings (associated to 26" WN Flange)	Material: ASTM A694 F65 - 660.40mm OD X 613.20mm ID X 400mm LONG, Same heat as WN Flange - 26" used for weld qualification
4		Blind Flange - 26" ASME CLASS 1500 RTJ Type	Material: ASTM A694 F65 c/w 3mm Inconel 625 Cladding on groove Designed to ASME Section VIII Div 2, matching WN Flange
2	Connector Subsea Solutions	CSS 26in 3000S Morgrip Mechanical Connector (CW #1500 MAF) - mounted on transport frame c/w spare seals, kit & gaskets- c/w Flange Adaptor with 26" Class 1500 flange	Material: Carbon Steel / API 5L (X52) / ASTM A694 Grade F60/F65 Usage: Subsea Pipeline Flange Adaptor with ball gripping mechanism, hydraulically activated with tensioner
2	Connector Subsea Solutions	Blind Flange - 26" ASME CLASS 1500 RTJ Type	Material: ASTM A694 F65 c/w 3mm Inconel 625 Cladding on groove Designed to ASME Section VIII Div 2, matching Mechanical Connector Flange
80	Connector Subsea Solutions	Flange Studbolt Assembly	Material: ASTM A193 B7 / ASTM A194 Gr2H (high tensile alloy bolting) Coating: Xylan - Each set consists of 3" X 1300mm Lg c/w double hex nuts