Offshore Transfer Hose

Well clean-up fluid transfer

Transfer hose system for well clean-up fluids

Transfer fluids from the a platform to a tanker for onward transport to shore for clean-up or disposal.



Approx. 3,000 L/min

Estimated volume: 6,000 m³

Project objectives and scope

Platform-to-tanker transfer supported by the deployment vessel and FCS equipment

Offshore platform



Well clean-up fluids originate offshore

Receiving tanker



Transport to shore for clean-up or disposal

Deployment vessel



Vessel support for hose deployment

FCS handling equipment supports hose installation and operation.

Hose reels and spoolers

Equipment for hose storage, deployment and recovery



Hose reel



Spooler

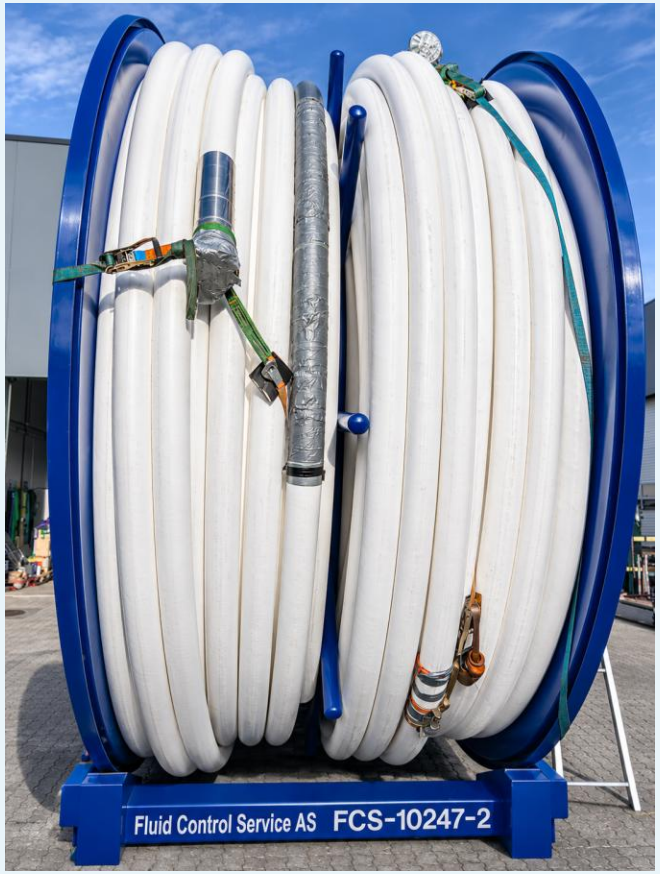


Workshop view

Reels and spoolers form the core of the project’s hose-handling package.

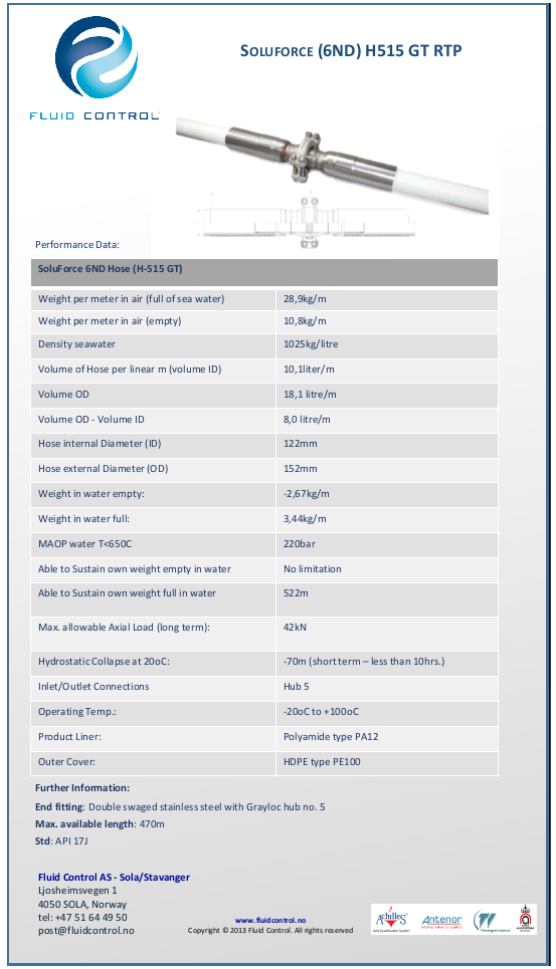
SoluForce transfer hoses

SoluForce 6ND H515 GT RTP





Transfer hose stored on FCS reels



SOLUFORCE (6ND) H515 GT RTP

FLUID CONTROL

Performance Data:

SoluForce 6ND Hose (H-515 GT)	
Weight per meter in air (full of sea water)	28,9kg/m
Weight per meter in air (empty)	10,8kg/m
Density seawater	1025kg/litre
Volume of Hose per linear m (volume ID)	10,1liter/m
Volume OD	18,1 litre/m
Volume OD - Volume ID	8,0 litre/m
Hose internal Diameter (ID)	122mm
Hose external Diameter (OD)	152mm
Weight in water empty:	-2,67kg/m
Weight in water full:	3,44kg/m
MAOP water T<650C	220bar
Able to Sustain own weight empty in water	No limitation
Able to Sustain own weight full in water	522m
Max. allowable Axial Load (long term):	42kN
Hydrostatic Collapse at 20oC:	-70m (short term – less than 10hrs.)
Inlet/Outlet Connections	Hub 5
Operating Temp.:	-20oC to +100oC
Product Liner:	Polyamide type PA12
Outer Cover:	HDPE type PE100

Further Information:

End fitting: Double swaged stainless steel with Grayloc hub no. 5

Max. available length: 470m

Std: API 17J

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Original technical datasheet

SoluForce hose technical data

SoluForce 6ND H515 GT RTP · values from the supplied datasheet

Property	Source value
Weight in air, seawater-filled	28.9 kg/m
Weight in air, empty	10.8 kg/m
Seawater density (source unit)	1025 kg/litre*
Internal volume per metre	10.1 litre/m
External volume per metre	18.1 litre/m
External less internal volume	8.0 litre/m
Internal diameter	122 mm
External diameter	152 mm
Weight in water, empty	−2.67 kg/m
Weight in water, filled	3.44 kg/m

Property	Source value
MAOP at T < 65°C	220 bar
Self-support in water, empty	No limitation
Self-support in water, filled	522 m
Max. axial load, long term	42 kN
Hydrostatic collapse at 20°C	−70 m (<10 h)
Inlet / outlet connections	Hub 5
Operating temperature	−20°C to +100°C
Product liner	Polyamide PA12
Outer cover	HDPE PE100

End fitting: double-swaged stainless steel with Grayloc hub no. 5. Max. available length: 470 m. Standard: API 17J.

Hose chute and hydraulic power unit

Supporting equipment for the hose-handling package



Hose chute

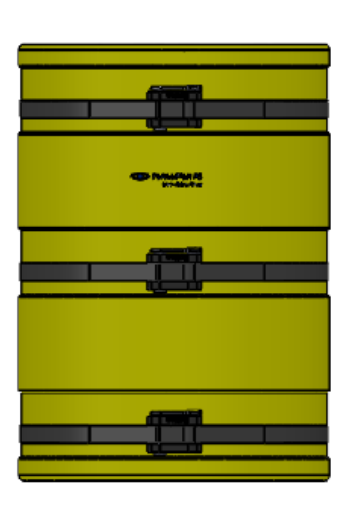


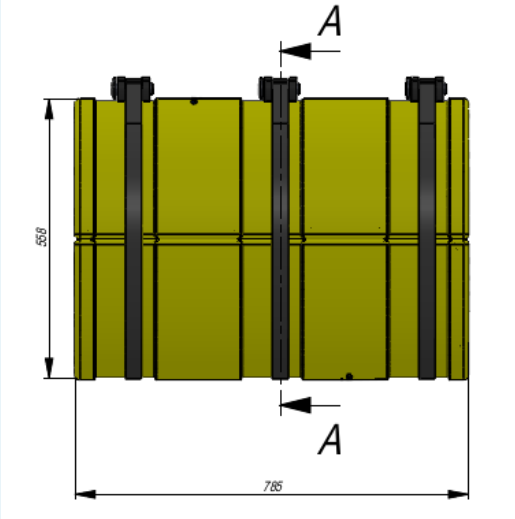
Hydraulic power unit (HPU)

Auxiliary equipment

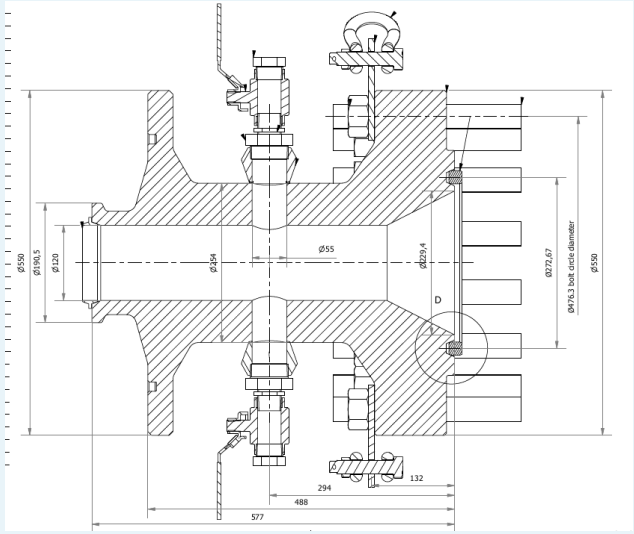
Supporting components and interface drawings

Module views

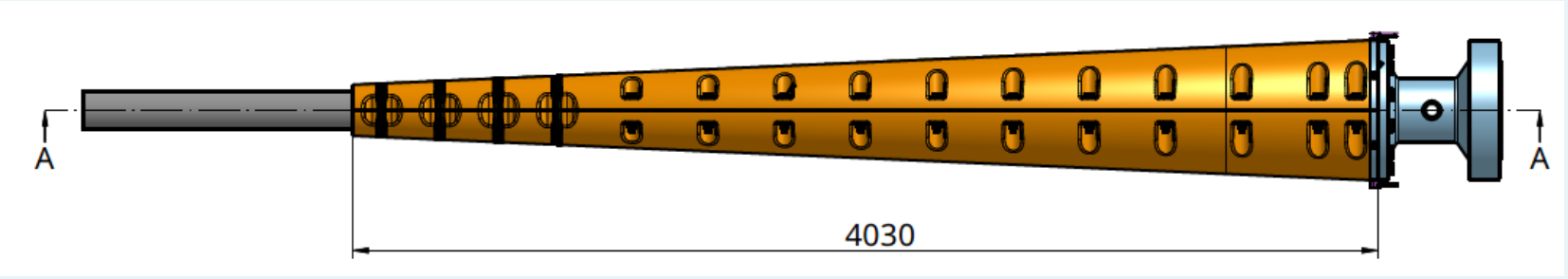




Connection section



Longitudinal component detail



Vessel deck arrangement

FCS transfer-hose equipment and vessel mobilisation layout

Mobilisation layout

Reels and spoolers

Tilt chute

Hydraulic power units

Workshop and cargo basket

Issued for tender
12 June 2025

