

Offshore Deepwell Pump Portfolio

Reliable Fluid Management Solutions
for Marine and Offshore Applications

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 **Contact Form**

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CLEARFLOW
POWER BENEATH THE SURFACE



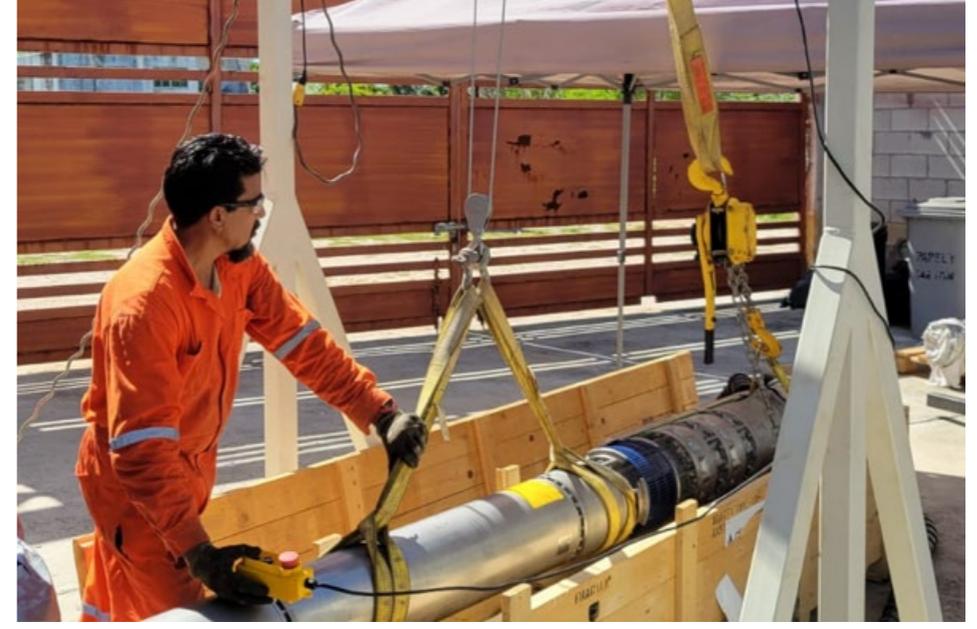
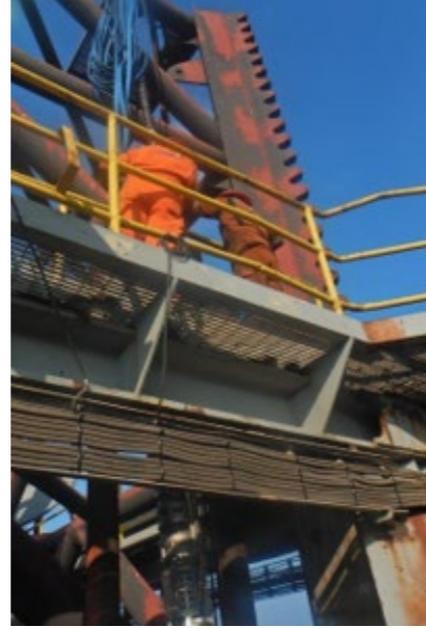
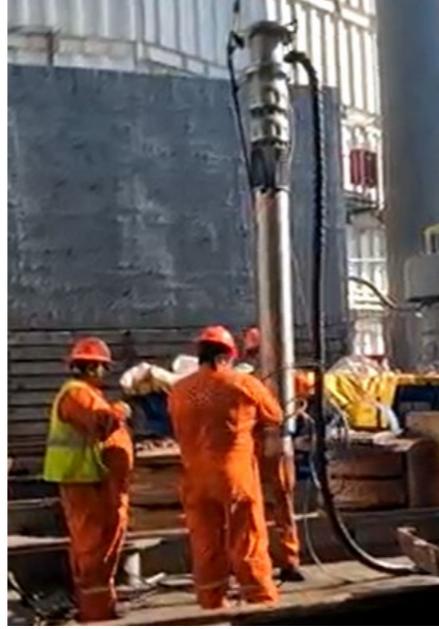
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Field Proven Solutions

Engineered for performance. Proven through decades of offshore service. Reliable operation across jack-up rigs, production platforms, and marine vessels worldwide.

Aftermarket & Service Support

- Regional stock to reduce lead time
- Inspection and Refurbishment
- OEM and replacement spares Availability



Knowledge & Expertise

Clearflow Solutions has established itself as a trusted name in offshore pumping systems, offering robust and efficient solutions for seawater lift, pre-load, and utility services. Every system is engineered to withstand harsh marine conditions and deliver dependable operation throughout its lifecycle. We bring unmatched technical expertise and hands-on experience. Our solutions are trusted across multiple industries for their performance, reliability, and adaptability.





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Product Overview

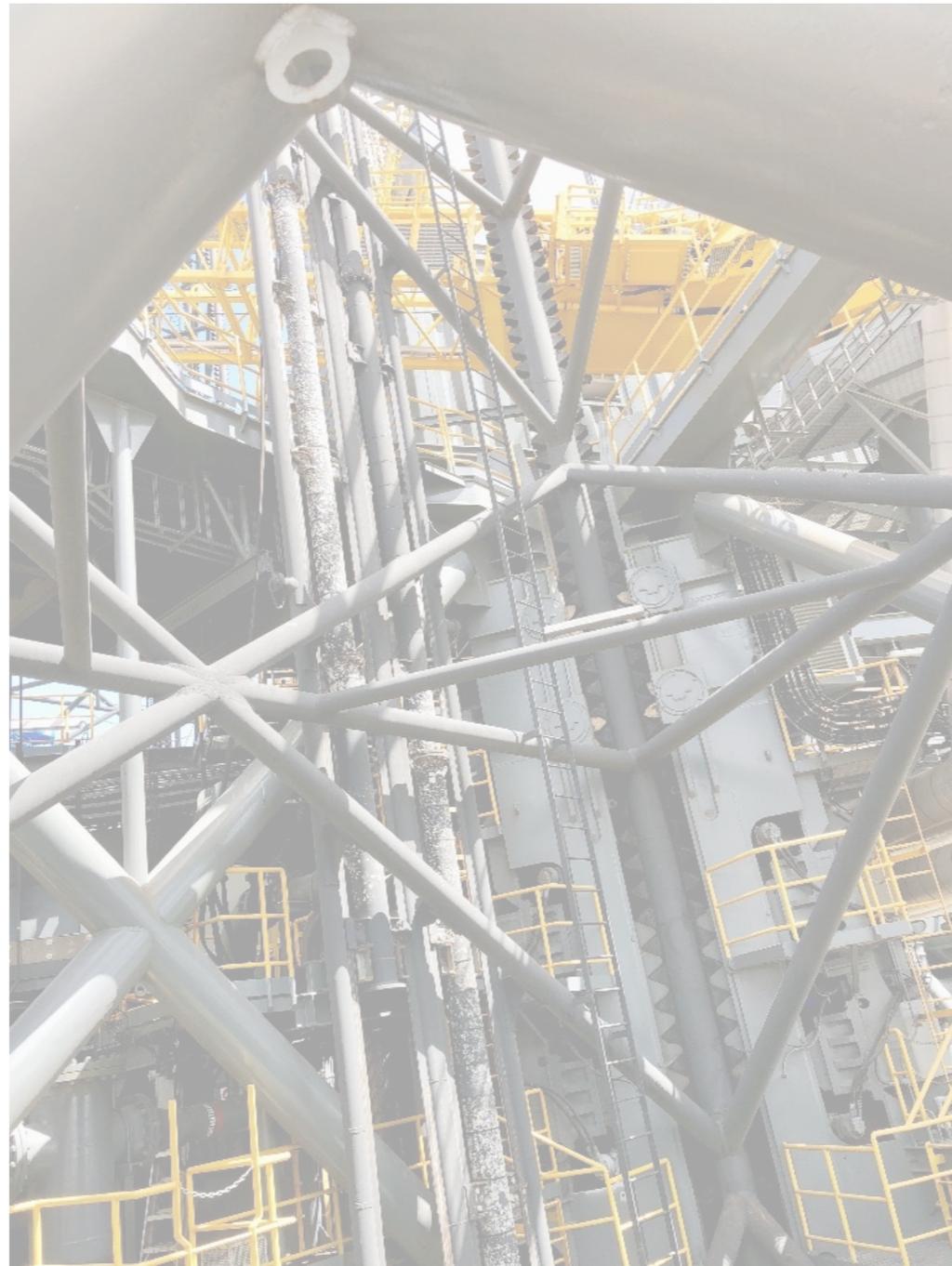
Clearflow Solutions delivers a full range of marine and offshore pumping systems built for performance, reliability, and endurance.

Submersible Seawater Lift Pumps

Optimized for efficiency, available in bronze and 316SS.

Dedicated Pre-load Pumps

Reliable systems for raw water, ballast, and dewatering operations.



Topside Transfer Pumps

Portable air-driven units for deck operations and utility transfers.

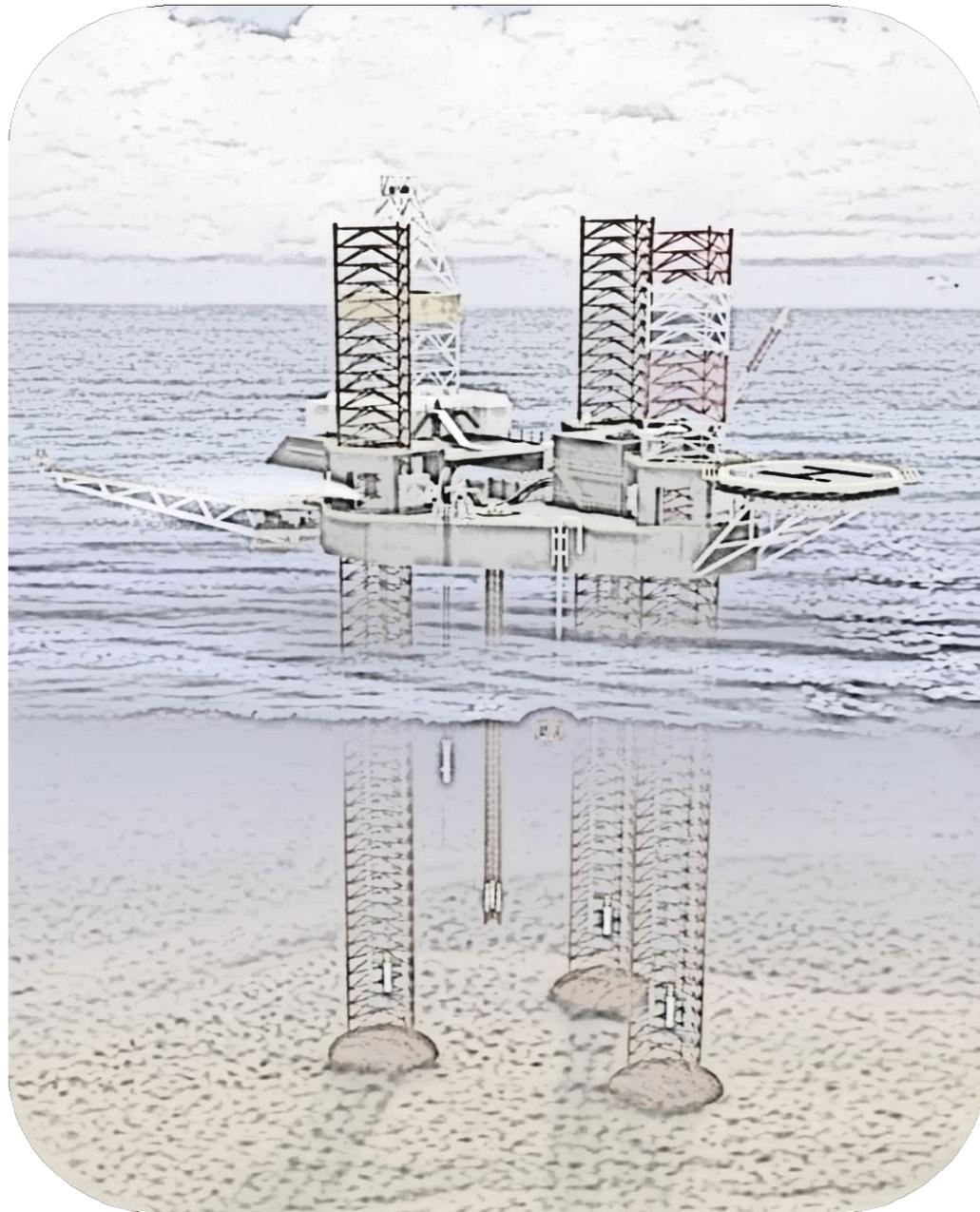
Pump Accessories

Flow shrouds, subsea connectors, power cables, soft starters, TVSS units, and motor Savers and Complete Environmental Products



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Offshore Submersible Seawater Lift Pump



Standard Submersible Pump
Robust and efficient for general seawater applications.



Bronze



316ss



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Submersible Pumps for Seawater Duty Applications

Each pump is selected to meet the customer's requirements



Receiver		From	

Operating data specification

Nominal flow	US g.p.m.	1400
Nominal head	ft	286
Static head	ft	0
NPSH - value of plant	ft	0
Inlet pressure	bar	0.101
Fluid		Sea water
Operating temperature t A	°C	40
Density at t A	kg/dm ³	1.03
Kin. viscosity at t A	mm ² /s	1

Pump

Pump name	6VS-X-10-C/2	
Size		
Design		
Speed 1/min	3600	No of stages 2
Impeller type	Semi axial impeller	
Flow	Nominal	US g.p.m. 1400
	Max-	US g.p.m. 1940
	Min-	US g.p.m. 660
Head	Nominal	ft 286
	Max-	ft 356
	Min-	ft 155
Head H(Q=0)	ft 423	
NPSH 3%	ft 34.9	
Max. working pressure	bar 13.1	
Shaft power	hp 131	
Efficiency	% 79.6	
Max absorbed power	hp 132.66	

Materials Pump	
Shaft	Duplex Stainless steel (1.4362)
Impeller	Precision cast Stainless steel AISI 316 (1.4409)
Diffuser	Precision cast Stainless steel AISI 316 (1.4409)
Suction support	Precision cast Stainless steel AISI 316 (1.4409)
Outlet	Precision cast Stainless steel AISI 316 (1.4409)
Cable cover	Stainless steel AISI 316 (1.4401)
Valve	Precision cast Stainless steel AISI 316 (1.4409)
Bearings	Rubber EPDM
Wear rings	Rubber EPDM

Dimensions in mm	
H	857
ed	236
eD	G6"
eMax	1263
eMax	2269
T	2287

Motor	
Frame size	10"
Manufacturer / Type	SAER MS251-150
Rated power	hp 147.51 Efficiency 4/4 88.3 %
Electric current	A 176 Speed 1/min 3510
Electric voltage	V 400 V 3- Hz 60
Starting mode	Directly
Degree of protection	IP 68 Insulation class

Remarks:

Project	Project ID	Created by	Created on	Last update
Raw Water Supply Pump	ABCDE	A.N.Other	2020-08-25	

SAER Startpump spa - V. Caramonico, 22 - 0274 Guadalupe (RM) Italy - Tel +3902262961 - Fax +3902262960 - www.clearflowpumps.com - Modification without notice





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Dedicated Pre-load Pump For Jack-up Rigs



Application

- Pre-load operations on Jack-up rigs (High-capacity seawater transfer)
- Sewage Collection & Treatment
- Storm Water Management
- Raw Water Handling
- Dewatering Operations
- Industrial Processes





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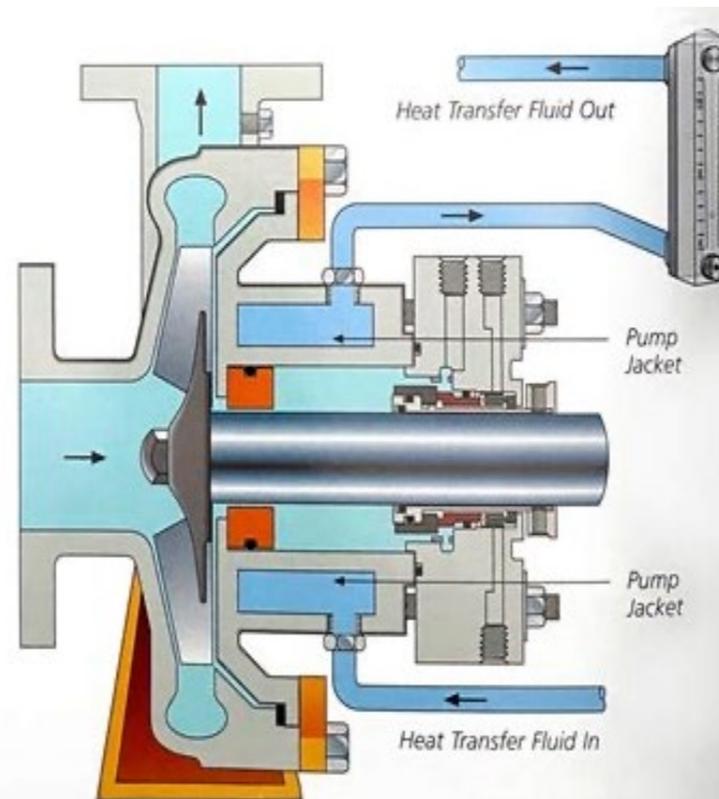
Topside Fluid Transfer Pump

Key Features

- Air-powered, low-pressure, high-flow operation
- Lightweight and portable for above-deck positioning
 - Quick-connect fittings for rapid setup
 - Built-in pressure/flow regulator with gauge
 - Capable of handling fluids with solids



- Use with a single or dual seal
- Maintains or elevates box temperature to prevent product solidification with polymers, resins, tars
- Use to cool seal
- Common heat transfer fluids:
 - Water
 - Thermal oils
 - Steam





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Deck-Mounted Pump

Horizontal Split Casing Pump



Key Features

- Corrosion-resistant materials for long service life.
- Self-priming capability for operational convenience.
- Easy maintenance

Applications:

- Booster
- Sea Water Cooling
- Fuel Transfer
- Lube Oil Transfer
- Bilge pumping
- Sanitation systems

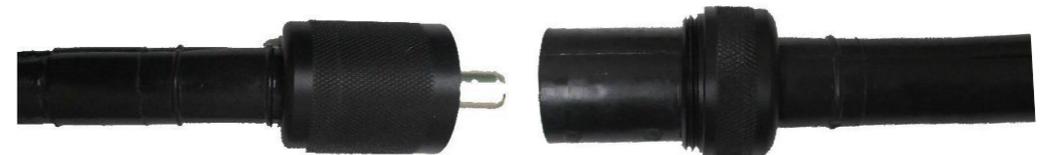
End Suction Pump





Clearflow Subsea Connectors

- Pressure-rated connectors for reliable submerged electrical connections.
- Equipped with locking mechanisms, O-rings, and precise tolerances requiring significant force to disconnect.
- Follow correct sealing and dielectric grease application procedures for optimal performance.





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Power Cable

- Regional stock to reduce lead time.
- Designed for seawater submergence and rated for motor ampacity, temperature, and cable length.
- Available in flat or round, multi-conductor, flexible, jacketed designs.



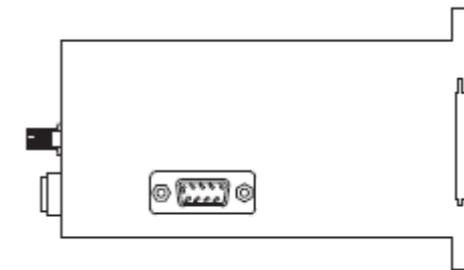
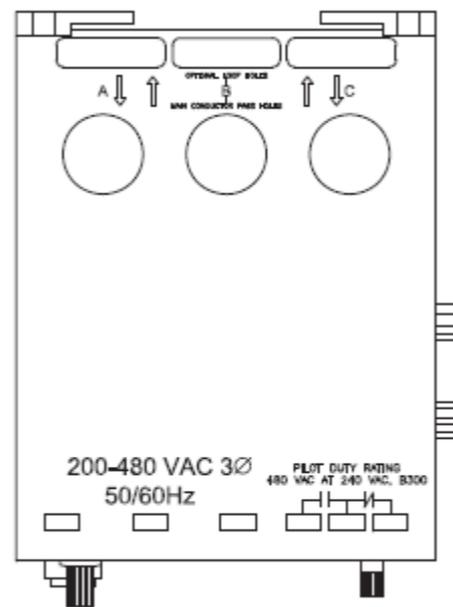
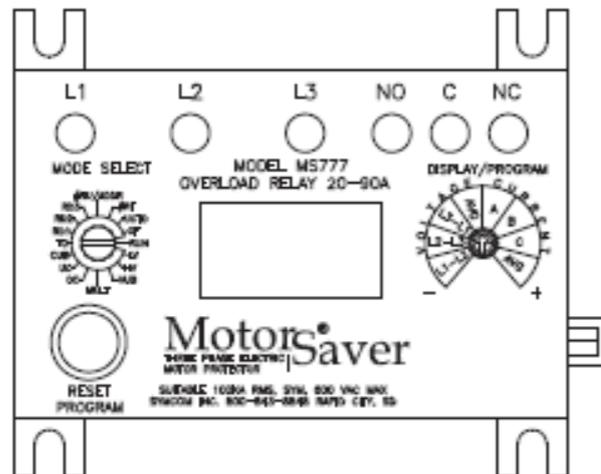


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Motor Savers

- Programmable electronic overload relays for full motor protection.
- Protects against overload, phase failure, and abnormal conditions.





Soft Starter

- Reduces inrush current for smoother starts and stops
 - Minimizes mechanical stress during operation

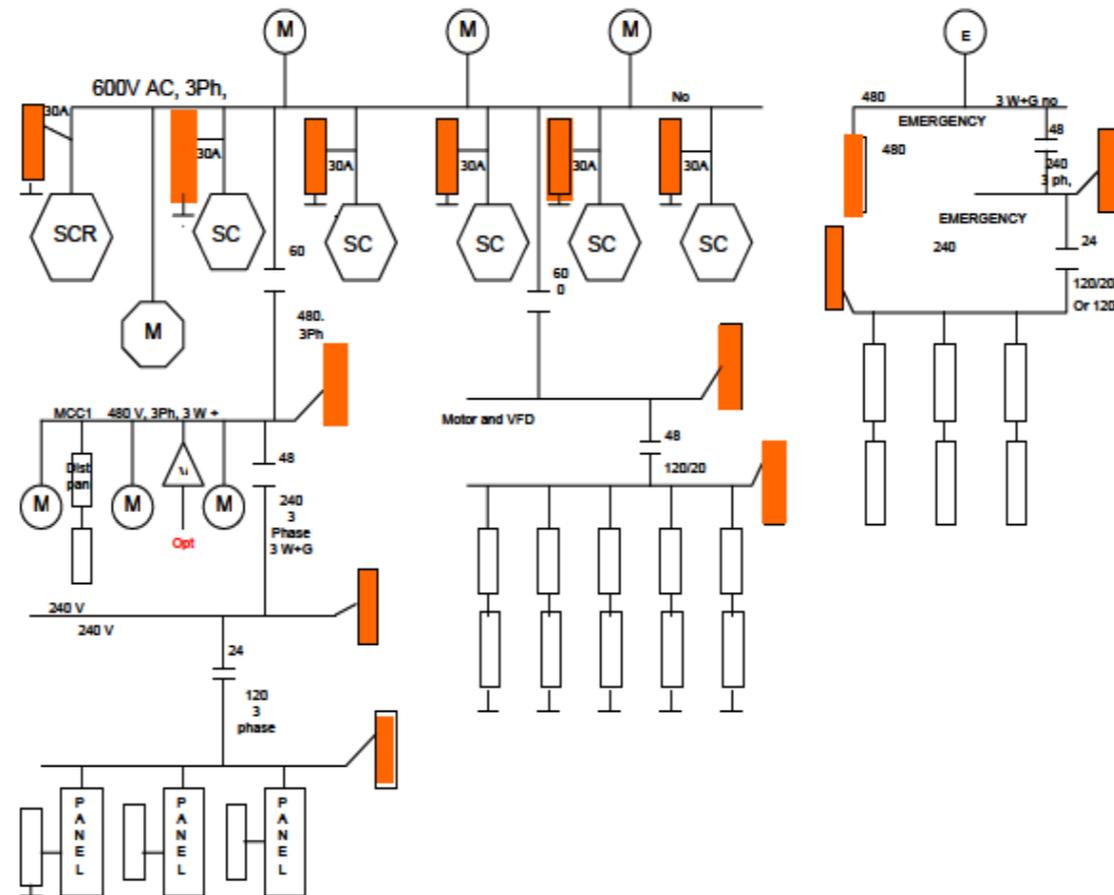


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Transient Voltage Surge Suppressor (TVSS)

Surge protection device to safeguard motor against voltage spikes and electrical disturbances

Sample Rig TVSS Application (Note: angels in the system can vary)

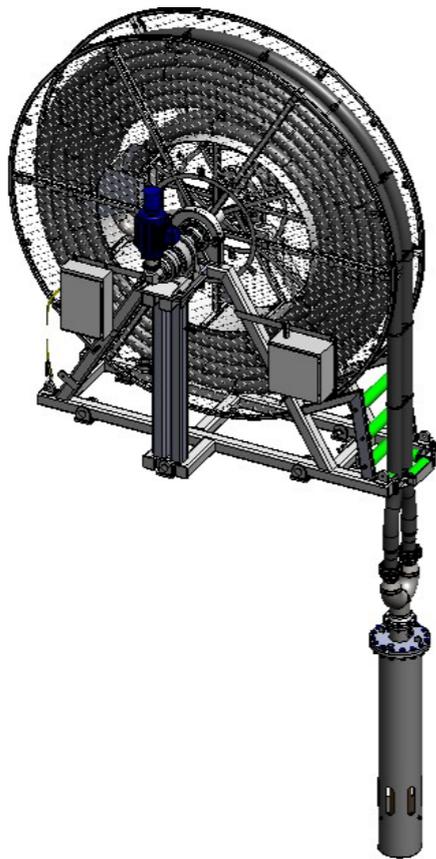




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Reel Systems

Engineered solutions for cable management in offshore environments



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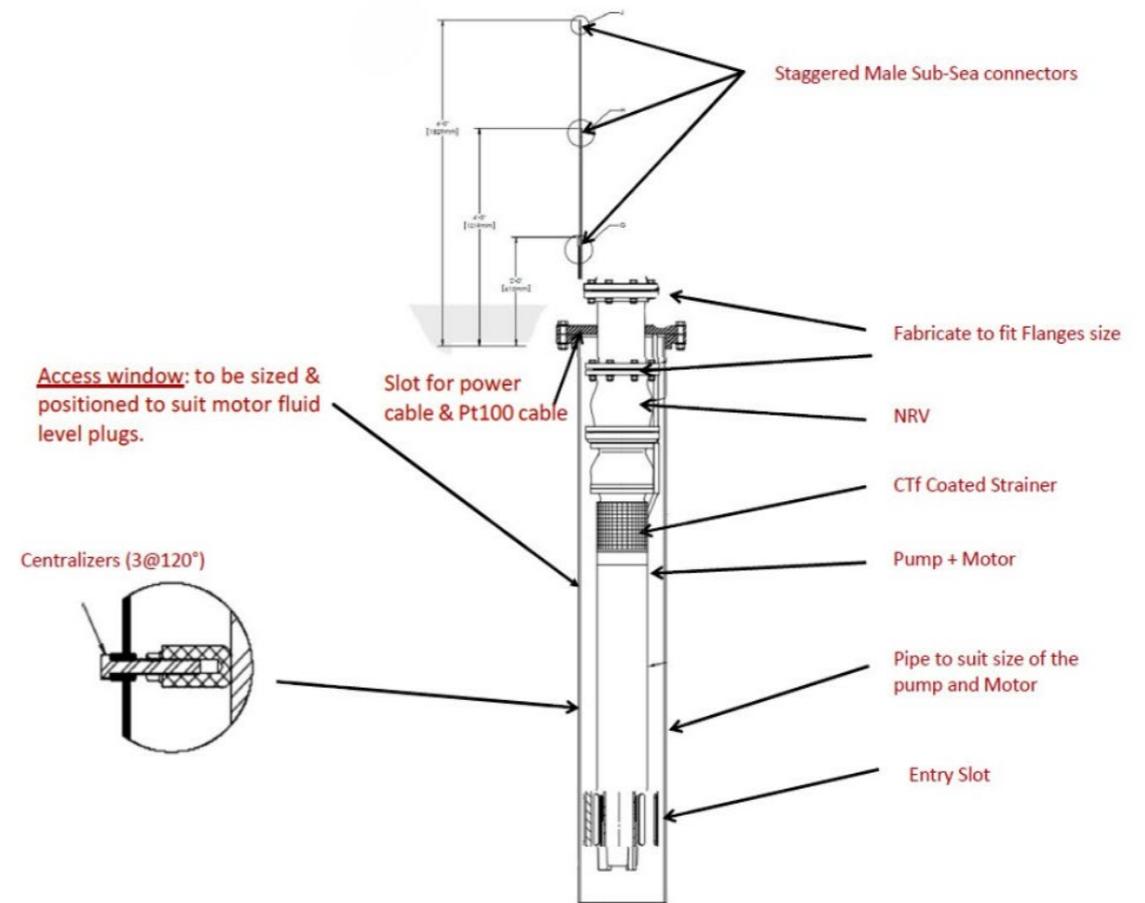
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Flow Shroud

Directs flow around the motor for uniform cooling, preventing hotspots and motor overheating during operation.

Clearflow can fabricate any flow shroud to meet specific customer requirements



Shroud Features

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Specialty Valves

- Reliable Performance in Extreme Conditions (media, temperatures, pressures, etc.)
- Exotic or Standard Alloys Service Specific Engineering & Design
- Automation Available
- Domestic Customer Service Representatives

Rising Stem Ball



Cryo High Temp.



Bolted Bonnet



4-Way Diverter



Globe



Double Block & Bleed Plug



HF Acid Service



Forged Bar



Pressure Seal



Axial Check



Axial Flow Control



Customized Service



Specialty Valves for Critical Applications



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Instrumentation Gauges

Pressure & Temperature Instrumentation



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Complete Environmental Products

Full catalog available on request



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