

ALFSEN GUNDERSON



AG Cooling Systems & Braking Resistors

Excellence in Fluid Technology

Fluid handling Technology

Offshore | Shipping - Worldwide

Alfsen og Gunderson AS is a leading supplier of fluid handling equipment for marine and offshore use. We deliver cooling- and brake systems, centrifugal pumps and pump systems, metering, dosing and injection pumps for chemicals. We have in house engineering capacity, and do all necessary engineering, including drawing and detailed design, production, automation, and commissioning works.

Commissioning, start up and service worldwide.



Shipping



Standardized cooling systems for marine vessels

Standard systems produced according to client specifications.

Freestanding or integrated solutions for VFD cooling, battery bank cooling and condenser cooling.

Various types of monitoring and regulating possibilities.

Primary cooling may be freshwater, seawater, gas and air.

Standard materials for freshwater is AISI304 with options for AISI316, Duplex, Superduplex, Hastelloy C or Titanium. Other materials may also be delivered.

Supplied acc. to ABS, DnV, CCS and Lloyds. Essential or non-essential service.



Cooling systems for batteries, condensators, combined systems and splitted systems. Alfsen and Gunderson delivers systems from our standard range or custom made systems for special customer requirements. These are different options related to execution. Solutions for water to water, water to air and air to water.



Offshore

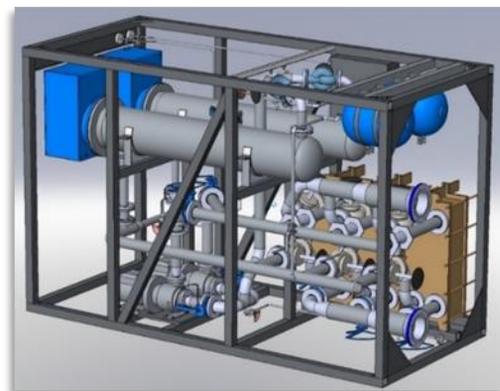


Standardized cooling systems for drilling systems

Standard systems produced according to client specifications. Freestanding or integrated solutions for VFD cooling. Normally up to, but not limited to, approx. 240 kW. Redundant pumps and/or heat exchangers. Primary cooling may be freshwater, seawater, gas and air. Standard materials for freshwater is AISI316L with options for Duplex, Superduplex, Hastelloy C, GRP or Titanium. Other materials for example to Norsok, Statoil TR etc. Supplied according to ABS, DnV, CCS and Lloyds. Essential or non-essential service.

Custom made systems

Alfsen og Gunderson AS also offers a variety of special solutions for ship- and offshore services. We design and manufacture solutions specific to each customer. Combined brake- and cooling systems for virtually any need; for example compressor cooling, motor cooling etc.



In-house Engineering.



Applications, Offshore



Water cooled brake resistors

- High and low power
- Single or multi resistors
- Freshwater or seawater cooled
- Almost unlimited combination possibilities
- Skid mounted single or multi resistors
- Power according to customer requirements
- Direct cooled or via secondary cooling
- Available in SS316L, duplex, titanium etc.
- Special material on demand



Applications, Offshore



Seawater/freshwater buffersystem with leakage detection and automatic emergency filling. Three units delivered to Odfjell



Vertical brake resistors delivered to Transocean.



120 kW Sea Water Cooling system delivered to BP Clair Rigde. Approved to BP and Lloyd's specifications. ATEX.



Brake resistors delivered to NOV
2 x 2 x 368 kW 3ph. ATEX and DnV

Some of our references for cooling and brake resistor systems

Equipment type	Qty	Power	Yard/Project/Client/ Vessel	Class	Reference
VDFW Cooling system	1	120 kW	CIMC H1300 Super M2	ABS	200189 / 2015
VDFW Cooling system	2	80 kW, 120 kW	DSIC HYSY982	DnV+CCS	200152 / 2015
VDFW Cooling system 3x50%	1	120 kW	PPL P2051	ABS	200128 / 2015
HSWC Brakeresistor S/S	1	2x1200 kW	PPL P2051	ABS	200128 / 2015
VDFW Cooling system 3x50%	1	120 kW	PPL P2049	ABS	200127 / 2015
HSWC Brakeresistor S/S	1	3x1200 kW	PPL P2049	ABS	200127 / 2015
HSWC Brakeresistor O/U	2	2x2x368 kW	NOV	DnV	200126 / 2015

CONTACT US FOR MORE SPECIFICATIONS AND REFERENCES



Gard Christensen
Product Manager Pumps

+47 22 70 77 45
+47 90 78 14 16
gard.christensen@ag.no



Tore Hellerud
Key Account Manager

+47 48 99 90 90
tore.hellerud@ag.no

