

Offshore Fire Fighting





Whether it is on an oil platform, F(P)SO, FSRU or FLNG unit, the outbreak of a fire on board is one of the worst situations a crew can experience. Hydrodiesel delivers self-contained and independently operating fire water pump systems to meet the harsh offshore requirements.

Oil platforms, F(P)SO, FSRU and FLNG are equipped with passive fire protection measures to reduce the risk of a fire on board. However, if a fire breaks out, it is crucial that the active fire protection systems are immediately activated and provided with sufficient water. Fire water is delivered to the fire water ring main by dedicated, independently operating fire water pumps.

The configuration of the installations we deliver is flexible, to meet your specific needs. Designed according to the requirements of NFPA 20, main marine classification societies, and national authorities.

Hyrodiesel systems are high quality and cost-effective solutions. All designed, constructed and tested in-house. Either for new build, retrofitting or upgrading. Our systems are self-contained and independently operating. They have automatic pressure control systems for constant pressure at the fire ring main.

The pumps are typically diesel hydraulic driven and are available in several configurations, tailored to the layout of the vessel or structure and project requirements.

Configuration and installation

Hydrostatic solution

For lower capacities Hydrodiesel offers a hydrostatic solution where a single hydraulic driven pump, installed below the water line, supplies fire water to the fire water ring main at deck level.

Diesel hydraulic solution

For larger capacities Hydrodiesel offers a solution with a hydraulic driven lift pump and a diesel driven booster pump operating in series. The lift pump is located below the water line, supplying water to the booster pump. The booster pump and diesel engine are located below or at deck level, increasing the pressure and supply of fire water to the fire water ring main.

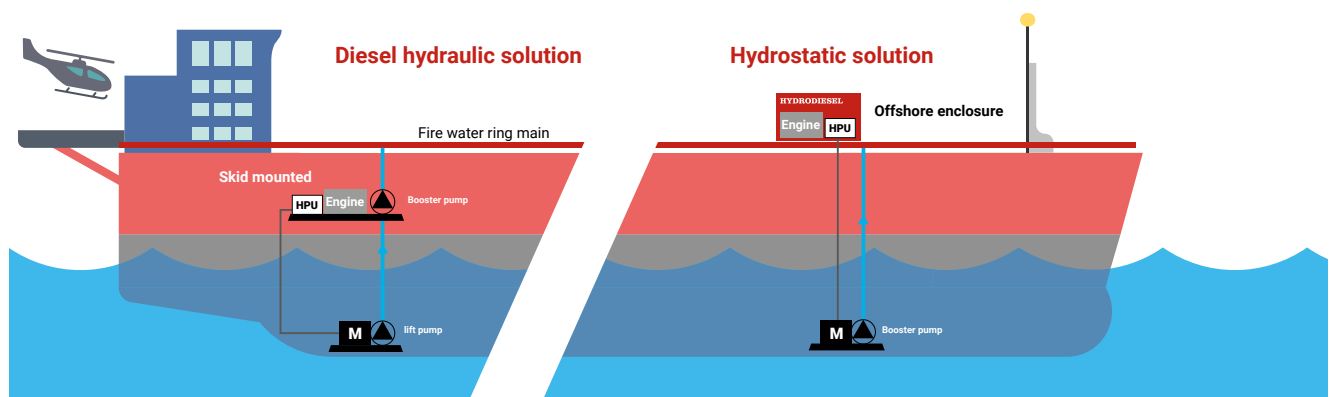
Skid mounted

The lift pump is mounted on a steel fabricated base frame, suitable for dry installation below the water line.

In case the project or layout of the vessel requires submerged installation, we can adapt the lift pump to meet your specific needs. When the booster pump is also installed below deck it is mounted on a steel fabricated base frame, housing the driver, hydraulic power unit and fire water booster pump.

Offshore enclosure

When the booster pump is mounted above deck, it is vital that the unit is installed in an offshore enclosure that can withstand the harsh weather conditions and the risk of fire and blast events. Hydrodiesel provides offshore enclosures, with optional fire ratings from A0 to H120, suitable for installation in safe or hazardous areas. The enclosures are self-contained units, with sufficient machine room space and detachable wall panels for maintenance, including all necessary auxiliary systems.



Nearly 40 years of experience

Hydrodiesel was founded in 1983 and has been delivering high capacity pumping systems solutions ever since. With a track record in high quality fire fighting systems for offshore, marine and land we have supplied solutions to companies and (local) governments worldwide. Enabling our customers to reduce the impact of disasters on land and sea. Operating from our modern premises in the Netherlands, with advanced engineering, manufacturing, and testing facilities, we design, manufacture and supply a wide range of high capacity pumping systems. During the entire project lifecycle, we develop, design, build and test our solutions in-house. After delivery, our team of service engineers provide local commissioning, training and maintenance at our customer sites all over the world.

HYDRODIESEL

Tuinschouw 4, 4131 MD Vianen
The Netherlands
Phone: +31 (0)347 74 56 00
E-mail: info@hydrodiesel.com



Hydrodiesel is a CSH company

More information

Would you like to find out how we can help you solve your challenges?
Our experts are available to help you find the solution for your issues. Please feel free
to contact us directly or have a look on our website for more information.

www.hydrodiesel.com