



# DESMI Helicopter Refueling System

On-Board Helicopter Refueling /  
Helicopter In-Flight

Defense

**DESMI**  
Make life flow



# Keep your fuel flowing safely



Our helicopter refueling systems help you keep critical operations running while meeting the extreme demands in military scenarios. As the world's foremost provider of pumps and supporting systems for defense applications, we help you operate and maintain a highly dependable and effective fighting force.

At DESMI, we never compromise on quality or security, and our military-spec refueling systems are no exception. They are available in a standard configuration and as customized designs that fit your requirements and your ship, and operators can refuel, flush, and defuel with just a few clicks. Our DES helicopter refueling system is optimized for helicopter in-flight refueling (HIFR).

We have years of experience in the naval sector and offer systems that give you years of stable fuel supply, maximum operation time, and easy maintenance. As an operator, this is a system you can trust and rely on, and it helps you get the job done – efficiently and safely.





# Standard or Customised

## On-deck or Helicopter In-Flight Refueling

In DESMI we never compromise with quality or security, and our refueling system is no exception. This is a system you as operator can trust and rely on.

With many years of experience within the marine and navy industry, we ensure you get a system that will run for years and give you a stable fuel supply.

Our solutions are based on proven technology and can be offered both in a standard configuration, but also as a **customised** design to fit your specific requirements and your ship.

For each system counts that you have maximum operation time and easy access to maintenance.

With the easy user interface your operators can refuel, flush, defuel, etc. in just a few clicks.

The system is designed for navy standards (not for civil use) and according to military specifications.

The DES Helicopter Refueling system has easy and secure heli flight deck operation optimized for helicopter in-flight operations (HIFR).



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### Safe Fuel operation on board your naval ship - in every naval environment.

- Maximum operation time
- Easy access for maintenance & trouble shooting
- Max uptime
- Easy handling before first flight of day



# A size that fits your ship

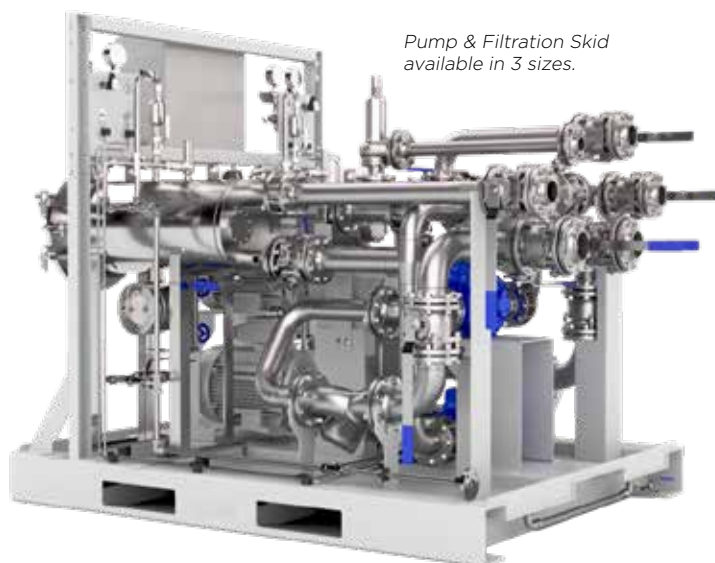
DESMI offers Quoting Support for Navies, Coastguards, Ship Designers, Naval Consultants and Shipyards.

The pump and filtration system is available in 3 standard sizes, depending on your request:

- 150 - 230 l/min
- 250 - 380 l/min
- 380 - 680 l/min

No matter which size you choose, we make sure it fits your ship and your operation.

We deliver with one or two filter water separators, and each system is made in a modular design with bottom plate to save weight and increase strength and prepared for HIFR and for the newest filter barrier technology.



*Pump & Filtration Skid available in 3 sizes.*

| Technical data - Pump & Filtration Skid |                       |                 |      |         |
|---|-----------------------|-----------------|------|---------|
| Model                                   | L x W x H             | Capacity        | HIFR | Weight  |
| DES-150                                 | 2006 x 1190 x 1736 mm | 150 - 230 l/min | Yes  | 1085 kg |
| DES-250                                 | 1956 x 1905 x 2092 mm | 150 - 230 l/min | Yes  | 2157 kg |
| DES-165                                 | 2300 x 1905 x 2042 mm | 250 - 380 l/min | Yes  | 1215 kg |
| DES-265                                 | 2300 x 1905 x 2042 mm | 250 - 380 l/min | Yes  | 2455 kg |
| DES-180                                 | 2490 x 1785 x 2050 mm | 380 - 680 l/min | Yes  | 2550 kg |
| DES-280                                 | 2490 x 1785 x 2050 mm | 380 - 680 l/min | Yes  | 2421 kg |

| Technical data - Dispenser Skid |                       |                 |            |         |
|---------------------------------|-----------------------|-----------------|------------|---------|
| Model                           | L x W x H             | Capacity        | HIFR + FWB | Weight  |
| DES-340                         | 1500 x 1400 x 1788 mm | 150 - 230 l/min | Yes        | 900 kg  |
| DES-350                         | 1600 x 1500 x 1788 mm | 250 - 380 l/min | Yes        | 990 kg  |
| DES-365                         | 1750 x 1700 x 1946 mm | 380 - 680 l/min | Yes        | 1130 kg |



*Dispenser Skid available in 3 sizes: 340 350 365*

# Minimize Downtime

## & Maximise Operational Capability

**The Integrated Logistics Support (ILS)** is a digital database with a maintenance manual, pictures, spare parts numbers, troubleshooting schematics, and more in one package.

In addition, technical, and animated videos show in detail how the system works. The ILS is both in digital format and hard copy.

**Training** is essential to operate and secure a safe operation. We support you with both class room or onboard training, depending on your crew and your requirements - and we go through all automation and mechanics of the system for an easy daily operation and maintenance.





## Approved

### According to Class Societies

DNV-GL, LLOYDS, BUREAU VERITAS

The DES Helicopter Refueling System complies with naval classification standards - including NATO STANAG.

The system is designed to cope with “outside events”, meaning it is shock compatible to operate before, during, and after a shock event.

Other class society approvals and ATEX ZONE II are available upon request.

**The DES Helicopter Refueling System** can be used on board any navy ship and is fully integrated via **IMPS (Integrated Platform Management System)** so that you can monitor and control the system from the ship’s operation room.



# We exist to help you complete your missions

DESMI works closely with MODs, OEMs, and shipbuilders to deliver critical flow processes that help governments on every continent achieve their national security ambitions. Our pumps and supporting systems are trusted worldwide for dependability and performance.

We help you maintain stringent operational standards through sector insight, tight security protocols, and the flexibility to navigate complex processes. We offer global support and after-sales service plus an efficient global supply chain.

Founded in Denmark in 1834, we have provided the expertise, solutions, and aftermarket support our customers need for nearly two centuries. We help you operate more efficiently and reliably, enabling you to complete your missions, achieve your tactical goals and strategic objectives – and get your vessels and crews safely back.

Together, we can make a difference, whatever the future holds. Because we, like you, are here to **make life flow**. For more information, visit [desmi.com](https://desmi.com)

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