



# DESMI FineFog™

Fixed Water Based Fire Fighting System for Local Application

PROVEN TECHNOLOGY

**DESMI**

# DESMI FineFog™

## is a Fixed Water Based Fire Fighting System for Local Application

The DESMI fixed fire fighting system is developed to suppress or extinguish fire at an early stage before releasing the total flooding system as required by SOLAS Ch.II-2/Reg.10.5.6.1&2 for ships constructed on and after 1st July 2002.

The FineFog water mist has a highly suffocating and cooling effect and with the DESMI FineFog you can therefore protect the inflammable objects in accordance with SOLAS requirements (e.g. main engine top, auxiliary engine top, heated fuel oil purifier, oil fired boiler front, incinerator burner, oil fired inert gas generator etc) without having to shut down engine, evacuate personnel or seal off space.

The FineFog™ is designed and approved fully meet the requirements of SOLAS Ch.II-2/Reg.10.5.6, IMO MSC/Circ.913, MSC/Circ.1082, MSC/Circ.1165, MSC.1/Circ.1276 and MSC.1/Circ.1387 and is approved by the major classifications and recognized authorities.

The fire suppression or extinguishing function is based on the water mist M5 spray head which has proved its efficiency through many full-scale tests and real-world fires, complemented by DESMI design for easy and safe operation during the entire lifetime of the product.

## DESMI FineFog™ System Components

### Technical Data

#### Spray head

K-factor	5 (metric)
Spray angle	90°
Material	Nozzle: Naval brass with NiSn plating
	Filter: Stainless steel 316
	Blow off cap: SS304 with PTFE bush
Weight	88 g
Connection	1/2" BSPT MALE
Water capacity	9.4 l/min @ 3.5 bar for nozzle installation height up to 8 m
	15 l/min @ 9 bar for nozzle installation height up to 14.5 m
Extinguishing agent	Fresh or sea water

- Multi-stage centrifugal pump
- Section valves
- Control panels
- Fire detectors
- Alarm devices
- Piping/accessories
- Spray heads

#### Water pump

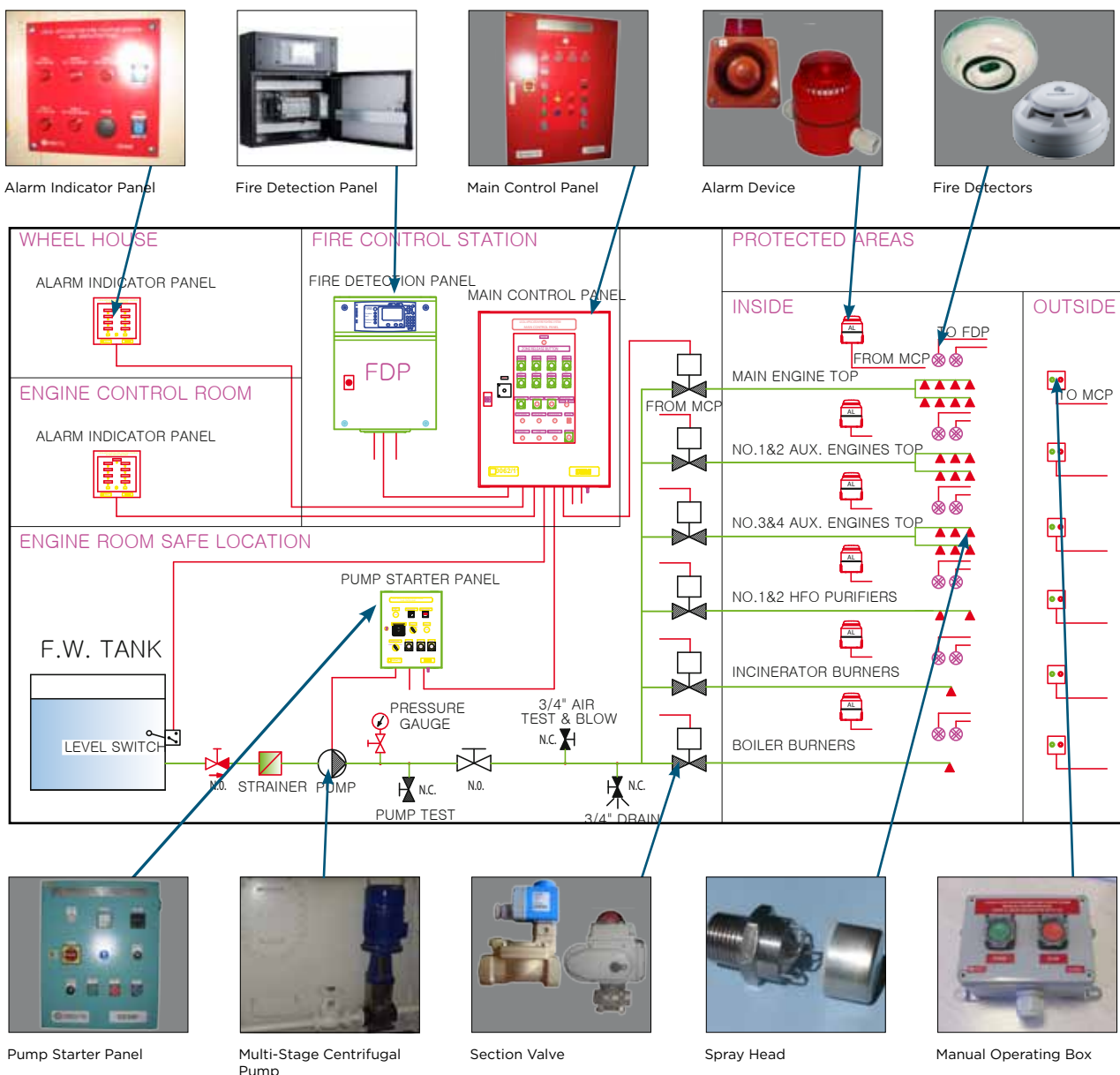
Type	Multi-stage centrifugal
Material	Stainless steel
Voltage/frequency (V/Hz)	3x400V/50Hz and 3x440V/60Hz
Insulation and enclosure	Class F, IP55

# DESMI FineFog™ - The Ultimate Solution!

DESMI FineFog™ water mist system offers many advantages compared to conventional solutions, such as:

- Highly effective fire extinguishing or suppression
- Less water consumption which means smaller size of pump, valves and pipes
- Well designation for anti-clogging function of spray heads
- System manual stop and change-over function through manual operating boxes
- Lower overall system weight with compact pump skid unit simplifying installation and service
- Minimum collateral damages due to the fine-fog water droplets and effective fire extinguishing feature
- Low pressure and hot dip galvanized pipes reduce the installation costs
- Immediate automatic or manual activation
- Modular fire detection central for easy service, maintenance and trouble-shooting
- Conventional and addressable fire detection system available as option
- Minimum IP22 requirements for protected power generator, motor or electrical cabinets
- High-quality components
- World-wide service and technical solution support

## DESMI FineFog™ System Configuration





You can read more about our pump solutions at  
[www.desmi.com](http://www.desmi.com)