

## WATER MIST FIRE FIGHTING PUMP (WMFFP)



# HIGH-PRESSURE WATER MIST FIRE FIGHTING PUMP (WMFFP), SAFE AND ENVIRONMENTALLY FRIENDLY FIRE SUPPRESSION

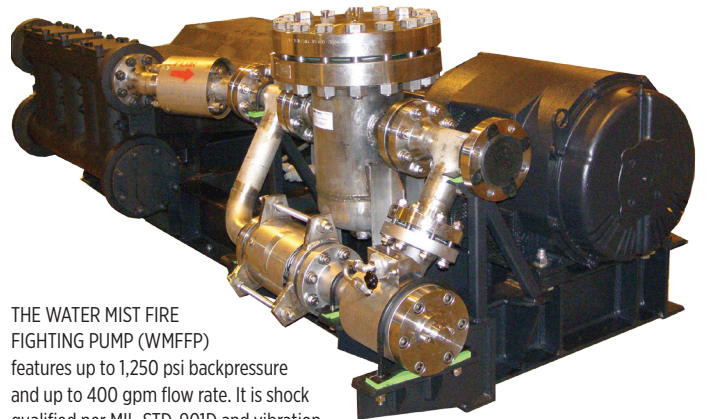
The Water Mist Fire Fighting Pump (WMFFP) system is a high pressure on-board pumping system used in conjunction with specially designed spray nozzles to extinguish shipboard fires. The Water Mist system is the U.S. Navy's next generation fire fighting system. It is being used on the LPD 17 San Antonio Class Amphibious Transport Ships, The LHD 8 Makin Island Amphibious Assault Ship, the LHA 6 America Class Amphibious Assault ships and the DDG 1000 Zumwalt Class Multi-Mission Surface Combatants.

The nozzles create a backpressure of up to 1,250 psi at a flow rate up to 400 GPM. The system's design creates small droplets of water which are very effective at absorbing heat. The fire is extinguished mainly from cooling, and oxygen is displaced by the resulting water vapor rather than saturating the area.

The Water Mist System is designed to replace dangerous and environmentally damaging Halon Fire Suppression Systems. On-board potable water is used to minimize damage to shipboard equipment.

DRS' Water Mist Fire Fighting Pump is qualified to Military Standard (MIL-STD) 901D for heavy weight shock and MIL-STD-167 vibration requirements.

The enhanced capabilities of the DRS Water Mist Fire Fighting Pumps make them a key element in the 21st Century Naval Fleet.



THE WATER MIST FIRE FIGHTING PUMP (WMFFP) features up to 1,250 psi backpressure and up to 400 gpm flow rate. It is shock qualified per MIL-STD-901D and vibration qualified per MIL-STD-167.



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## SPECIFICATIONS

	LPD 17 CLASS	LHD 8/LHA 6 CLASS	DDG 1000 CLASS	DDG FLIGHT III
System weight	10,600 lbs	10,800 lbs	11,200 lbs	11,500 lbs
System size	12 L x 5 W x 4 H feet	12 L x 5 W x 4 H feet	12 L x 5 W x 5 H feet	12 L x 5 W x 5 H feet
Performance	230 gpm @ 1250 psi	230 gpm @ 1250 psi	400 gpm @ 750 psi	230 gpm @ 250 psi
Shock isolation	12 wire rope isolator	12 wire rope isolator	12 wire rope isolators	22 wire rope isolator
Electric motor	200 hp 440v/3ph/60 hz	200 hp 440v/3ph/60 hz	200 hp 440v/3ph/60 hz	200 hp 440v/3ph/60 hz
Pump	positive displacement	positive displacement	positive displacement	positive displacement
Gearbox	4 to 1 reduction	4 to 1 reduction	5 to 1 reduction	4 to 1 reduction
Filter	100 mesh size	100 mesh size	100 mesh size	100 mesh size - duplex
Pipe size	3 inches	3 inches	4 inches	3 inches
Dwg Number	76000	76300	76600	1950-1000



EAR (ECCN: 8A992) per CJ 176-10

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