

EXTERNAL FIRE FIGHTING SOLUTION



Wartsila a leading provider of ship power solutions, supports its customers throughout the life cycle of their installations.

Wärtsilä provides turnkey projects solution for different types of External Fire Fighting Systems. We have both the knowledge and experience to deliver total package solutions.

Wartsila is specialised in "Turnkey and System Integration Projects"

Wartsila's Ship Service of the highly professional personnel team in India, technologically advanced equipment & excellent engineering support aims at

providing high quality and safe customised packaged solution to its customer.

External Fire Fighting Solution comprises of :

- Project feasibility study
- Customized solution
- Engineering
- Supply
- Installation
- Commissioning
- Documentation
- CLASS certification

External Fire Fighting Ship consists of:

- Fire-fighting pumps
- Water monitoring and control systems
- Self-protection or drenching systems
- A hose station, port and starboard, complied with the statutory requirements
- Water monitors, valves, coupling etc.
- Complete firemen outfits, including compressors for recharging BA.
- Further requirements of control specific arrangement for:



- > Seawater suction
- > Stability data verification
- > Proof of manoeuverability, and
- > Main engine power availability during the operation of the equipment is checked in the FI-FI system
- Gearbox/Electrical motor/Engine driven as required (engine room / deck mounted)

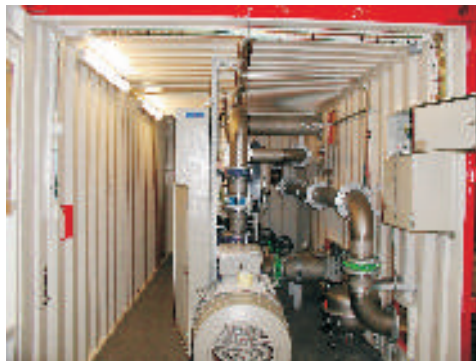
Salient Features of External FI-FI Systems

- Turnkey solutions
- Customized solution: Flexibility in preference of Gearbox/ Electrical motor/ Engine driven etc
- Excellent engineering support
- Class approved FI-FI equipments
- Installed and commissioned FI-FI systems also approved/ certified by CLASS
- Experienced project team

Some of our customers:

- ONGC
- Great Offshore

Equipments	Class Notification			
	Agni1	Agni2	Agni3	
Minimum number of water monitors	2	3	4	4
Minimum discharge rate per monitor,[m3/h]	1200	2400	1800	2400
Number of pumps	1-2	2-4	2-4	
Minimum total pump capacity, [m3h]	2400	7200	9600	
Minimum height of through in [m1]	45	70	70	
Minimum fuel capacity in [hrs3]	120	150	150	
Minimum height of through in [m3]	24	96	96	
Number of hose connections each side of ship	4	8	8	
Number of firemen outfits	4	8	8	



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