



## HYDRANTS (With foam tank)

Generally installed in open deck areas, walkways, and escape routes, a Firenor firewater hydrant is the ultimate piece of firefighting equipment for manually extinguishing large and devastating fires. In addition to releasing water from a traditional water supply, a high quality Firenor firewater hydrant also have a foam tank, allowing it efficiently deliver water mixed with foam. When used this way, the hydrant creates a blanket that extinguishes the fire by cutting off the oxygen supply to the fire, a tactic which is particularly effective against oil and fuel fires.

### SYSTEM DESIGN

For optimal protection, hydrants should be placed so that any location can be reached from two separate firewater hydrants. Each hydrant consists of hoses and a nozzle that releases water at a specified flow. The nozzles can be easily opened or closed and can be adjusted to fog or jet spray. For hydrant that are supplied by a high pressure fluctuation water source, a regulating valve can be installed to avoid high reaction forces during operation. This equipment can also extinguish a pool fire by mixing foam in the water at a specified flow, should the need arise. The Firenor hydrant can be customized to meet specific project requirements. As part of this customization, the Firenor hydrant can be on an open frame or inside a cabinet for environmental protection purposes. Furthermore, the cabinet can be expanded beyond standard size in order to accommodate the storage of fire extinguishers and first aid kits.

### VERIFICATION

Every system can be customized, upon request, for compliance with both applicable rules or regulations and project specific requirements. Full documentation for any tailor-made products are available and include all necessary certifications, third party verifications such as DNV/GL, BV, ABS, etc., and full scale test reports, if required.



*Hydrant with Foam Tank*



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### FEATURES

- Cabinets custom built to fully comply with customer's request.
- Firewater nozzles available in a variety of material grades up to Titanium.
- Hydrants that are DNV, BV approved upon delivery

### MATERIAL

Every Firenor system is available in the following materials:

- Galvanized carbon steel
- Duplex
- Copper nickel
- SS316
- Super duplex
- 6Mo
- Titanium
- GRE

### FOAM SUPPLY

The foam supply for this system is from the integrated foam tank. The foam will be mixed into the water by a foam inductor.

### WATER SUPPLY

The standard water supply for a hydrant is provided by a firewater ring-main. If required, any Firenor hydrant can be custom designed to receive water from an alternate source.

### DOCUMENTATION

The engineering department produces documentation relevant to all phases of the project. Documentation normally includes the following:

- Quality plan
- ITP
- Drawings
- Data sheets
- Indexes
- Procedures
- Calculations
- Certificates
- Reports
- User manual
- MRB



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