

## Fixed Gas Fire Extinguishing System

### Links to applicable regulations

- [46 CFR 28.320 – Requirements](#)
- [46 CFR 25.30-15 – Adoption of 46 CFR 76.15](#)
- [46 CFR 76.15 – System details and design](#)
- [NVIC 6-72 Change 1 – Guide to fixed FF systems](#)

### Fixed Fire Fighting System Installations

A fixed fire fighting system is a custom designed system for a specific space. A pre-engineered fire fighting system comes as a unit for installation and is approved for a certain sized area.

### Checklist for this item

	A fixed fire extinguishing system must be installed in the following enclosed spaces
	<ul style="list-style-type: none"><li>• Space containing an internal combustion engine &gt; 50 horsepower</li></ul>
	<ul style="list-style-type: none"><li>• Space containing an oil fire boiler</li></ul>
	<ul style="list-style-type: none"><li>• An incinerator</li></ul>
	<ul style="list-style-type: none"><li>• Space containing a gasoline storage tank</li></ul>
	<ul style="list-style-type: none"><li>• This system installation and plans must be approved by Commandant.</li></ul>
	Pre-engineered systems can only be installed in
	<ul style="list-style-type: none"><li>• Unoccupied machinery spaces</li></ul>
	<ul style="list-style-type: none"><li>• Paint lockers</li></ul>
	<ul style="list-style-type: none"><li>• Spaces containing flammable liquid of not more than 1200 cubic feet</li></ul>
	<ul style="list-style-type: none"><li>• This type system comes with a Coast Guard approval as built</li></ul>
	<ul style="list-style-type: none"><li>• The Coast Guard will want to ensure that the pre-engineered system is appropriate for the size of the space protected.</li></ul>
	Annual servicing is required by an authorized servicing company.
	<ul style="list-style-type: none"><li>• The Coast Guard may want to witness the servicing and testing of fixed systems (not a pre-engineered system).</li></ul>
	<ul style="list-style-type: none"><li><ul style="list-style-type: none"><li>○ Notify the local Coast Guard to see if they would like to attend</li></ul></li></ul>
	<ul style="list-style-type: none"><li><ul style="list-style-type: none"><li>○ Witness the following operations of a</li></ul></li></ul>

## Fixed Gas Fire Extinguishing System

	custom engineered fixed fire fighting system should include some or all of the following.
	▪ Ventilation shutdowns
	▪ Engine shutdowns
	▪ Manual activation pulls
	▪ Automatic activation devices (if installed)
	▪ Visual alarms to indicate activation
	▪ Time delays (if installed)
	▪ Audible alarms
	▪ Ability to reset vent shutdowns and engines

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### Proof of Servicing

You must be prepared to show the servicing paperwork from an authorized servicing company showing the system was serviced within the past year.

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