

## MANDATORY FIREFIGHTING BILGE PUMPUING EQUIPMENT

### 1. Firefighting equipment

The Directorate-General for Merchant Shipping, hereafter DGMS, stipulated a range of criteria requiring one or another firefighting installation. These criteria are independent of each other.

### 2. Fire extinguishers

#### a. By length overall

Length overall	Quantity	Minimum effectiveness	
0 m ≤ length overall < 10 m With enclosed cockpit	1	21B	An extra fire extinguisher for zone 6, and length overall > 10 meters
10 m ≤ length overall < 15 m	1		
15 m ≤ length overall < 20 m	2	21B	
20 m ≤ length overall < 24 m	3		

#### b. By engine power

Maximum power	One engine		Two engines	
	Minimum effectiveness	Quantity	Minimum effectiveness	Quantity
0 m ≤ length overall < 10 m With enclosed cockpit	21B	1		
10 m ≤ length overall < 15 m	34B	1	21B	2
15 m ≤ length overall < 20 m	55B	1	34B	2
20 m ≤ length overall < 24 m	55B	1*	55B	2*

\* Extintores < 2 kg no permitidos por la DGMM

#### Note:

- If length overall is less than 10 m, engine extinguishers comply with those specified by length overall.
- Fire extinguishers are not obligated for vessels equipped with outboard engine whose power is less than 20 kW, in zones 6 and 7.
- Vessels with fixed firefighting installations onboard must be equipped with a portable firefighting extinguisher, located opposite the engine room, to fulfil a quarter of the engine power.

### 3. Fire and gas detection

- Fire detector: shall be equipped to the risk of fires.
- Gas detector: shall be equipped on vessels with combustive gas facilities.
- All detectors shall be equipped with automatic display and direct electrical supply, and their lights and sound signals shall be activated.

### 4. Fixed firefighting installations

- Vessels running on liquid fuel, whose flash point is below 55 °C must be equipped with a fixed firefighting installation.
- Halogen gasses are not permitted.
- Installations must be equipped with manual shot from outside of the compartment.

- Automatic shot is only permitted for installations stored in inaccessible small engine compartments where no one fits in.
- Never use any installations in habitable areas.

**Note:**

Depending on in regatta categories, involved vessels shall be equipped with suitable installations approved by the DGMS or maritime captaincy.