

# Hydrostatic Release Units

SKU - 40020031A

HAMMAR H20 HRU—HR-0100



## DESCRIPTION

The Hammar H20 Hydrostatic Release Unit - HR-0100 is crucial for marine safety, designed to automatically deploy liferafts in emergencies. Secured to the deck or liferaft cradle, this SOLAS-approved unit activates a sharp knife with increasing water pressure, cutting the securing rope to release the liferaft. As the vessel sinks, the liferaft painter line stretches, triggering inflation, and the Red Weak Link™ breaks, allowing the liferaft to surface. Certified UKCA/EC, the Hammar H20 HRU is suitable for liferafts for 6 to 150 persons, ensuring dependable safety compliance.

## KEY FEATURES

- **Safe & Reliable in Extreme Conditions:** Designed to perform reliably in harsh marine environments; activates automatically under increasing water pressure to release liferafts and EPIRBs if the vessel sinks.
- **Global Best-Seller:** The Hammar H20 is the world's most widely used hydrostatic release unit, known for its safety, reliability, and simple design, with over 25 years of proven performance.
- **Maintenance-Free:** Constructed from glass fibre-reinforced nylon to prevent corrosion, requiring no annual service or spare parts. Replace every 2 years, and the old unit is 97% recyclable.
- **User-Friendly:** Easy to handle and install, reducing storage costs and minimizing downtime. Can be combined with Hammar's Remote Release Systems for enhanced safety and efficiency.
- **Hydrostatic Activation Depth:** Yellow Top Label: 1.5 - 4.0 metres (SOLAS); Green Top Label: approximately 4 meters; Blue Top Label: approximately 6 meters.
- **Weak Link System:** Breaking strength of  $2.2 \pm 0.4$  Kn
- **Dual Assembly Option:** Available for configurations requiring multiple H20 units, which can be combined with MRU or ERU units.

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## SPECIFICATION

- **Activation Depth:** Operates reliably at 1.5 - 4.0 metres (SOLAS standard).
- **Auto-Activation:** Automatically deploys liferafts and EPIRBs during emergencies by cutting the securing rope with a sharp knife activated by rising water pressure.
- **Signal Transmission:** Once released, the EPIRB sends identification and location signals to satellites.
- **Operating Temperature:** Functional in temperatures from -30°C to +65°C.
- **Service Life:** Designed for a 2-year operational life; replace after 24 months.
- **Durable Construction:** Made from corrosion-resistant glass fibre-reinforced nylon; no annual maintenance required.
- **Maintenance-Free:** Replace unit and bolt every 2 years; 97% recyclable, supporting environmental sustainability.
- **Global Approval:** Complies with SOLAS 74 Convention, IMO Res. MSC 97(73), MSC.48(66), MSC.81(70), and EU Directive 96/98 EC.
- **Labelling:** Features UV-resistant, peel-proof labels with serial number, manufacturing date, and security information.
- **Shelf Life:** 5 years when stored in a dry, UV-protected environment.
- **Country of Origin:** Sweden.

## TECHNICAL INFORMATION

- Operating Temperature: -30°C to +65°C.
- Service Life: 2 years; replace after 24 months.
- Approved Standards: SOLAS 74, IMO Res. MSC 97(73), MSC.48(66), MSC.81(70), MSC/Circ.811, EU Directive 96/98 EC.
- Label and Marking: UV-resistant, peel-proof; includes serial number, manufacturing date, and approvals.
- HS Code: 84798997.
- Country of Origin: Sweden.

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