

# HAMMAR® MRRS MANUAL REMOTE RELEASE SYSTEM



## PRODUCT INFORMATION

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## HAMMAR MRRS - PRODUCT INFORMATION

# PRODUCT PERFORMANCE

The Hammar Manual Remote Release System (MRRS) is operated manually by means of a vacuum pump. A few pump strokes will create enough vacuum to activate the Hammar H20 Remote Release Unit (MRU) via the stainless steel tubing. When the remote unit is activated, a sharp stainless steel knife cuts the rope sling holding the liferaft that should be released.

In principle one pump can operate more than one remote release unit, thereby releasing more than one liferaft. To uphold the highest lifesaving capacity of the ship at all times, one must be sure that all liferafts, which are connected to the same pump, are free from blockage and have free access to the water, so this is not always an option.

The MRRS system is a reliable and cost effective system for remote release of liferafts or other lifesaving appliances.

## FEATURES

- Simple and well proven design.
- All parts made of glassfibre reinforced nylon, anodised alloy or acid resistant stainless steel.
- Flexible system for a number of different applications.
- Liferafts etc. can be released from numerous positions.
- A minimum of maintenance is required.
- Easy to install.

## SYSTEM SET-UP

The large range of different components provides the possibility to design a perfect system for most applications. A standard system consists of the following parts (see picture below):

- One Hammar H20 Remote Release Unit (MRU) for vacuum.
- One U-console to be installed at the liferaft cradle. The U-console acts as a connector to the stainless steel tubing.
- Acid resistant stainless steel tubing of sufficient length.
- One vacuum pump with a non-return valve.

Please consult us for more detailed information



**Note:** In all liferaft systems it is important to ensure free float function in all conditions and as the liferafts must be connected to the ship via its painter line and a strong point (such as the deck), it is necessary to have a standard Hammar H20 hydrostatic release arrangement as well. This could be a separate unit or in combination with the remote release unit. Further information can always be obtained from C M Hammar AB.

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## SYSTEM COMPONENTS



**HAMMAR VACUUM PUMP**  
complete with SS coupling for stainless steel tubing connection.  
Part no: HM-0301



**HAMMAR VACUUM PUMP**  
complete with connection for plastic tubing.  
Part no: HM-0302



**HAMMAR H20 Remote release unit (MRU)**  
complete with 1 m tubing and 2 sleeve hoses.  
Part no: HM-0300



**HAMMAR H20/REMOTE DUAL ASSEMBLY, RFD type, MCA/CE approved.**  
Part no: HC-0200



**HAMMAR H20/REMOTE DUAL ASSEMBLY, Viking type, MCA/CE approved.**  
Part no: HC-0201



**HAMMAR U-CONSOLE, stainless steel, complete with SS coupling.**  
Part no: HM-0305



**TUBING, stainless steel, 3/2 mm dia., supplied per metre.**  
Part no: HM-0311



**TUBE CUTTER, for stainless steel, tubing.**  
Part no: HM-0315



**END PART TOOL, to SS tubing. Ensures tight connection.**  
Part no: HM-0324



**HAMMAR H20 HRU-CONSOLE, stainless steel, complete.**  
Part no: HM-0306



**INTERCONNECTION TUBE COUPLING, stainless steel, complete.**  
Part no: HM-0307.



**T-PIECE COUPLING, stainless steel, complete.**  
Part no: HM-0308



**OLIVE, stainless steel, to SS couplings above. Spare part.**  
Part no: HM-0310



**NUT, stainless steel, to SS couplings above. Spare part.**  
Part no: HM-0309

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## SYSTEM COMPONENTS



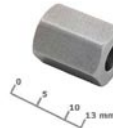
**DELAY VALVE**, stainless steel, for 3 mm SS tubing, complete.  
Part no: HM-0313  
Note: Used in set-up with one pump and two or more liferafts in the same system.



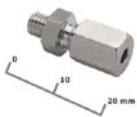
**BALL VALVE**, 2-ways, stainless steel, complete.  
Part no: HM-0312  
Note: Used in set-up with one pump and two or more liferafts in the same system.



**OLIVE**, stainless steel, to Delay valve. Spare part.  
Part no: HM-0370



**NUT**, stainless steel, to Delay valve. Spare part.  
Part no: HM-0375



**COUPLING**, stainless steel, to U-console, complete.  
Spare part.  
Part no: HM-0329



**NIPPLE**, stainless steel, to U-console. Spare part.  
Part no: HM-0328



**END PART TO VACUUM PUMP** for SS tubing connection. Spare part.  
Part no: HM-0303



**END PART TO VACUUM PUMP** for plastic tubing connection  
Spare part. Spare part.  
Part no: HM-0304



**NYLON TUBING**, 6/4 mm dia., black, to remote release unit.  
Spare part.  
Part no: HM-0314



**NYLON TUBING**, 8/6 mm dia., black.  
Part no: HM-0332



**SLEEVE HOSE**, 1 cm of black nylon tubing 8/6 mm dia.  
Part no: HM-0331



**VACUUM PRESSURE GAUGE** for testing of vacuum pressure.  
Part no: HM-0333

## HAMMAR MRRS - PRODUCT INFORMATION

# TECHNICAL SPECIFICATION

### VACUUM PUMP

Material	Anodised Alloy Glassfibre reinforced nylon Stainless steel coupling/piston Plunge in dryflex rubber
Size base plate	70 x 176 mm
Hole size	6,3 mm
Size operating requirement	176 + 300 mm = 476 mm
Weight	640 grs

### U-CONSOLE

Material	Acid resistant stainless steel
Size base plate	30 x 38 mm
Hole size	6,3 mm
Weight	85 grs

### H2O REMOTE RELEASE

Material	Glassfibre reinforced nylon Stainless steel knife and nipple Polyester rope, breaking strength 15 kN Nylon tubing, black
Rope sling	155 + 15 mm
Weight	185 grs

### TUBING

Material	Acid resistant stainless steel
Dimension	Outer diameter 3 mm +0,05/-0 mm Inner diameter 2 mm +/- 0,1 mm
Weight	30 grs per metre
Hardware (couplings etc)	Acid resistant stainless steel

### TEMPERATURE RANGE

MRRS system and its components	-30°C to +70°C
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### APPROVALS

Approved to SOLAS and EU directive by leading shipping authorities. For further details please consult our web-site: [www.cmhammar.com](http://www.cmhammar.com)

### DOCUMENTATION

Product Leaflet  
Product Information  
User Manual