

hydrostatic release unit

PAINS WESSEX LIFERAFT HRU

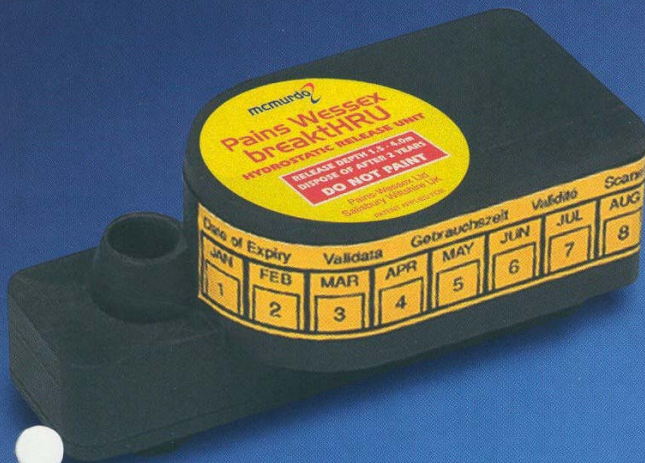


Smaller than other HRUs currently available, the Pains Wessex BreaktHRU is unique in its use of a small pyrotechnic charge, which is used to enable liferafts and EPIRBs to automatically float free.

Aprobado por PNA
Disposición M-6970-c.c/04
M-6971-c.c/04

- **Compact**
- **Classified non-hazardous**
- **Complies with the latest SOLAS and IMO resolutions**
- **Fits the footprint of existing HRUs**
- **Competitively priced**
- **Service life of two years**

PAINS WESSEX EPIRB HRU



Using technology developed exclusively by Pains Wessex, the pyrotechnic charge is used to activate the HRU when it is submerged in water < 4 metres. Once activated the liferaft or EPIRB is automatically released - it's as simple as that!

**BreakTHRU - the new
Hydrostatic Release Unit
(HRU) from Pains-Wessex.**

**Smaller than other HRUs
currently available,
BreakTHRU is unique in its
use of a small pyrotechnic
charge, which is used to
enable liferafts and EPIRBs
to automatically float free.**

- **Compact**
- **Classified non-hazardous**
- **Complies with the latest SOLAS and IMO resolutions**
- **Fits the footprint of existing HRUs**
- **Competitively priced**
- **Service life of two years**

Using technology developed exclusively by Pains-Wessex, the pyrotechnic charge is used to activate the HRU when it is submerged in water to a depth of between 1.5 and 4 metres. Once activated the liferaft or EPIRB is automatically released - it's as simple as that!

breakTHRU

hydrostatic release unit

The Pains-Wessex breakTHRU Hydrostatic Release Unit consists of a double looped rope line, a release mechanism, and a red weak link. The Pains-Wessex breakTHRU is designed for liferafts carrying from 4 up to approximately 130 persons. It does not need servicing but **MUST BE REPLACED AFTER TWO YEARS.**

The breakTHRU Hydrostatic Release Unit fulfils the requirements of the IMO-Resolution A689 (17) the 1996 Amendments to SOLAS 1974 and the LSA Code.

INSTRUCTIONS FOR MARKING

Marking must only be done by a manufacturer of liferafts or an authorised service station. The expiry date is 2 years from the month of installation on-board. The Release Unit is labelled with a marking for year and month. Using a knife carefully scratch away the appropriate square for month and year two years ahead of the date the HRU is issued to the ship. A hydrostatic release unit which is not properly marked with its date of expiry is not acceptable. Each breakTHRU has a unique serial number.

INSTALLATION

The Pains-Wessex breakTHRU Hydrostatic Release Unit is supplied complete including a weak link. The whole unit must be installed in accordance with the manufacturers instructions. The installation is simple, the HRU should be fitted as shown in the sketch and according to the following:-

- 1.** Check the unit for proper marking of the year and month of expiry. PLEASE NOTE THAT THE UNIT HAS TO BE CORRECTLY MARKED TO BE ACCEPTABLE TO THE VARIOUS MARINE AUTHORITIES.
- 2.** The Pains-Wessex breakTHRU is to be installed with a shackle to a strong point on the deck or cradle. The shackle shall be fed through the thimble containing the "weak link" and the lower loop of the attachment rope.
- 3.** Fit another shackle through the larger loop of the attachment rope and the upper loop of the weak link. The painter line of the liferaft shall also be secured to this shackle.
- 4.** Install the liferaft in its cradle by means of securing strap and senhouse sliphook. Attach the sliphook to the upper loop of the attachment rope and firmly secure the liferaft.

RELEASE DEPTH

The Pains-Wessex breakTHRU will release the liferaft at a water depth of up to 4 metres.

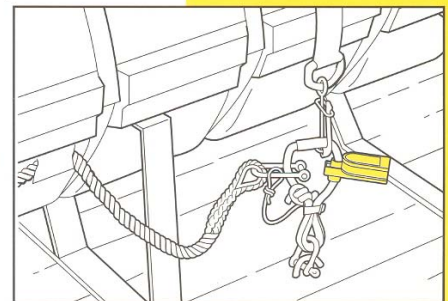
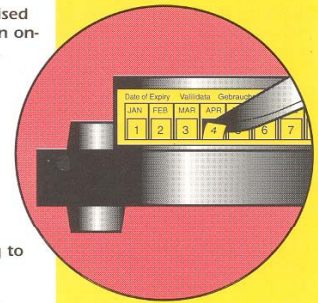
The liferaft will float to the surface where the stretched painter activates inflation of the liferaft. The weak link will then break releasing the liferaft from the sinking vessel.

MANUAL RELEASE

If the liferaft is to be launched manually the sliphook should be released and the liferaft thrown overboard. The raft is now attached to the vessel by the painter

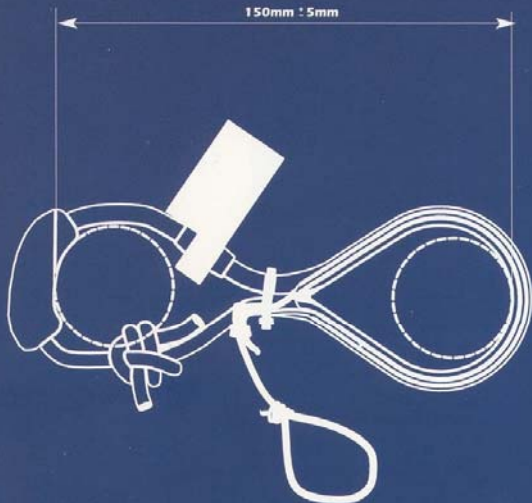
**Pains Wessex
Safety Systems**

**HYDROSTATIC
RELEASE
UNIT FOR
LIFERAFTS**



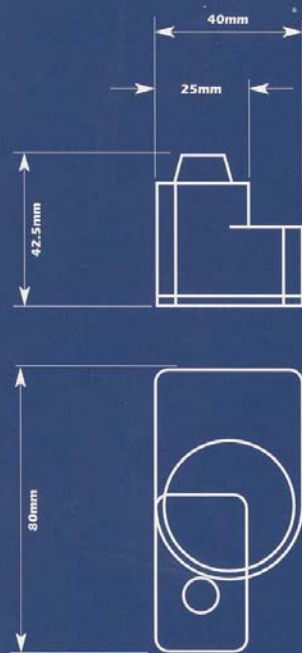
Senhouse sliphook
Sliphaken

technical specifications
Pains Wessex Liferaft HRU



Dimension applies when rope assembly is held taut over Ø24mm Guides as shown

Pains Wessex EPIRB HRU



SPECIFICATION:

Weight:	80g
Operating temperature:	-30°C to 65°C
Service life:	2 years
Rope cutting capacity:	9mm braid on braid polyester or 8mm Plastic EPIRB Bolt
Operating Depth:	< 4 metres

