

PainsWessex

SURVIVAL SOLUTIONS

www.painswessex.com



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Linethrower 250

Item Nos. Complete unit 9502000 • Body and line 9500700 • Rocket 9500800

A self-contained line-throwing appliance consisting of a weatherproof plastic casing with end cap, twist-grip trigger assembly, rocket and line.

To comply with SOLAS requirements, four complete rocket and line assemblies (Item No. 9502000) should be carried on board. The device has a throwing range of between 230m and 250m. A solid propellant is used which guarantees a highly accurate flight path even in strong sidewinds.

APPLICATION

The Pains Wessex 250 is designed for ease of operation in the most extreme weather conditions. It can be used in all situations where a line is required to be passed accurately and quickly, these include:-

- All line-throwing operations at sea between vessels, ship-to-shore, shore-to-ship and shore based rescue services.
- Rescue of swimmers in distress.
- Line carrying across obstacles and rough terrain.



Linethrower 250

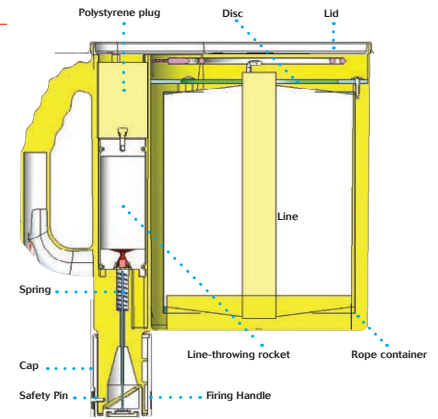


OPERATION

1. Wear Personal Safety Equipment (gloves, glasses, ear protection, helmet).
2. Remove the front cover and point in the desired flight direction.
3. Pull out safety pin.
4. Aim over the top of target. Be prepared for recoil.
5. Turn grip to left or right to fire.
6. If misfire occurs hold unit in firing position for at least 60 seconds, then dispose of overboard.

WARNING

- Ejects rocket projectile – do not point at people or property
- Do not fire in a confined space
- Keep out of reach of children
- For emergency use at sea
- If damaged or dented do not use
- Do not dismantle
- Keep away from source of heat
- Do not use after expiry date



PRODUCT LIFE

- Body and line kit: 9 years
- Rocket minimum 3.5 years
- Spare rockets are available to replace time expired rockets.

STORAGE

This compact appliance is ideally stored in a water-resistant locker at ambient temperature allowing easy access in an emergency. The set of 4 appliances normally carried onboard can be dispersed in strategic positions throughout the vessel.

APPROVALS

Conforms to: BAM 0589-P2-0016 (Complete Unit), 0589-P2-0094 (Rocket only), SOLAS 74 as amended, IMO resolutions MSC. 81(70) Part 1, (MED) 96/98/EC, BGV 424003-00, USCG/UK MER and other major maritime authorities worldwide

DISPOSAL

Pyrotechnics must be treated as hazardous items and must be disposed of responsibly in accordance with local regulations.

SPECIFICATIONS

Projects a line to a nominal range of 250m in calm conditions

| | |
|-----------------------|------------------|
| Length | 33cm (13.0in) |
| Height | 31.3cm (12.3in) |
| Diameter | 20.5cm (8.1in) |
| Gross Weight | 4.7kg (10.36lb.) |
| Net Weight | 4.4kg (9.7lb.) |
| Rocket Weight Max | 535g (18.9oz.) |
| Explosive Content Max | 106g (3.74oz.) |
| Line breaking strain | >2kn |

SHIPPING INFORMATION

| | |
|----------------------|-----------------------|
| UN Number | 0431 |
| Proper Shipping Name | Articles, Pyrotechnic |
| Hazard class | 1.4G |

Body and Line, less rocket in packing case

| | |
|-------------------|---|
| Measurements | L:37cm (14.57in) x W: 27 cm (10.63in) x H: 27cm (10.63in) |
| Gross weight | 4.2kg (9.2lb.) |
| Net weight | 3.6kg (7.94lb.) |
| Other Information | Non-hazardous |

20 Spare Rockets in metal tin in a fibreboard box

| | |
|-------------------------------|---|
| Measurements | L: 37cm (14.57in) x W: 27cm (10.63in) x H: 27cm (10.63in) |
| Gross Weight Max | 13kg (28.66lb.) |
| Net Weight Max | 10.70kg (23.59lb.) |
| Net Explosive Content per box | 2.12kg (4.67lb.) |
| Other Information | Cargo Aircraft Only |

PainsWessex

Manoverboard MK9

Item No. 9537800

The Manoverboard MK9 compact Lifebuoy marker emits dense orange smoke for 15 minutes and has two 15hr, inversion switched, flashing LED lights that meet USCG and exceed SOLAS requirements. Ships are required to have 2 markers – one on each bridge wing, mounted with brackets and attached to a 4kg Lifebuoy. This signal marks the position of a man overboard by day or night, automatically deploying when the lifebuoy is released or manually activated.



- + Provides 15 minutes of dense orange smoke.
- + Flashing 15hr lights, exceeds SOLAS requirements and meets USCG requirements.

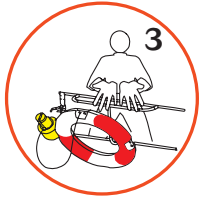
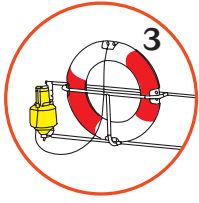
The Pains Wessex BuoySmoke MK9 Item No 9538350 is identical, except that it does not feature the lighting system, so is an orange smoke daytime marker only.

APPLICATION

- Day and night signal attached to 4kg lifebuoy and used in an emergency to mark the position of man overboard.
- Safe to use on petrol or oil covered water.
- Lithium batteries sealed for life – no annual replacement.
- Screw fit, inversion switched, LED light units.
- Automatic or manual deployment.
- Universal stainless steel mounting bracket. Usually mounted on a ships bridge wing
- Approved mounting height: 56m – but manufacturer tested to survive 100m drop into water. (SOLAS only requires 30m).
- Ideal for use on ships or rigs with high freeboard.



Manoverboard MK9



OPERATION

1. Signal and lifebuoy mounted on bridge wing in ready to fire position.
2. Release locking pin and lifebuoy falls, automatically deploying marker.
3. Alternatively, manually throw lifebuoy overboard.

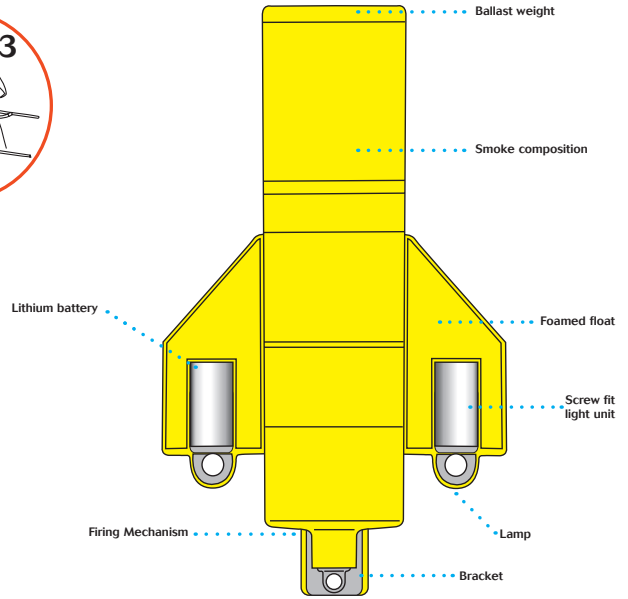
WARNING

- Produces dense orange smoke – do not inhale.
- Do not fire in a confined space
- Keep out of reach of children
- Only for emergency use at sea
- If damaged or dented do not use
- Do not dismantle
- Keep away from source of heat
- Do not use after expiry date



DISPOSAL

Pyrotechnics must be treated as hazardous items and must be disposed of responsibly in accordance with local regulations.



STORAGE

This compact unit is ideally stored in good magazine conditions in an upright position, mounted to its stainless steel bracket in our original packaging. Onboard vessel: Two units are normally required to be carried. Mounted inverted and attached to a lifebuoy. Usually positioned on each bridge wing and need a clear, uninterrupted drop into the water.

APPROVALS

Conforms to SOLAS 74 as amended. IMO Resolution MSC 81 (70) part 1. MED: BGV 422013-01, BuoySmoke- BGV 422014-00, BAM-P1-0596, 0589-P1-0619, USCG/UK MER and other major maritime authorities worldwide.

SPECIFICATIONS

| | |
|------------------------------|---|
| Height | 375mm (14.76 in) |
| Diameter | 183mm (7.20 in) |
| Weight | 3.3 kg (7.27 lb.) 3.85 kg (8.5 lb.) including bracket and angles |
| Net Explosive Content | 1.287 kg (2.84 lb) |
| Lamps (bulbs) | 2 x 3.6v 2.0A |
| Temperature range | -30°C to +65°C |
| Burning time | 15 minutes |
| Colour of light | white |
| Duration | 2 candela for 15 hours |
| Use with lifebuoy weighing | 4.0 kg (8.82 lb.) |
| Attach to lifebuoy with line | 4m (13ft) long, 9.5mm (0.37in) diameter |

SHIPPING INFORMATION

| | |
|-----------------------------------|--|
| UN Number | 0507 |
| Proper Shipping Name | Signals, Smoke |
| Quantity per Box | 2 |
| Box Type | Fibreboard |
| Measurements of fibreboard box | 36 x 27 x 40cm (14.2 x 10.6 x 15.8in) |
| Net Weight Max | 7.7kg (17lb.) |
| Net Explosive Content per box Max | 2.574kg (5.67lb.) |
| Other Information | Passenger and cargo aircraft |
| Hazard Class | 1.4S |
| Gross Weight | 9.5kg (20.94lb.) per box |

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Para Red Rocket MK8A

Item No. 9506720

The Pains Wessex Para Red MK8A Rocket conforms to SOLAS 74 as amended. Designed to withstand exceptional environmental exposure and to perform reliably even after immersion in water, the pull wire ignitor and improved grip provides easy handling. Ejecting a red flare on a parachute at 300m (1000ft), burning for 40 seconds at 30,000 candela.



- + Universally recognised distress signal
- + Visible upto 25 miles to support localised rescue

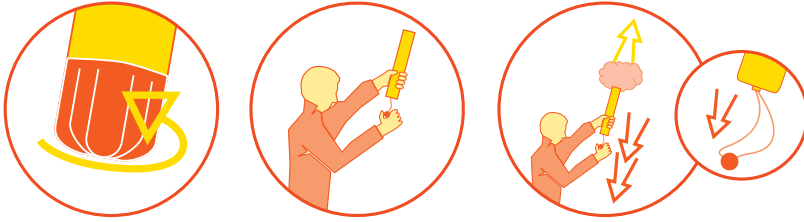
APPLICATION

A day or night long-range distress signal. 12 may be carried on ships bridge and there is a requirement for 4 in ships lifeboats and liferafts.

Also suitable for use in other commercial and recreational boats.



Para Red Rocket MK8A



OPERATION

1. Hold signal firmly by ribbed handle. Unscrew RED bottom cap. Do not point at people or property.
2. Hold rocket vertically above head pointing away from body.
3. Ensure hands remain clear of top. To fire – pull red ball sharply down.

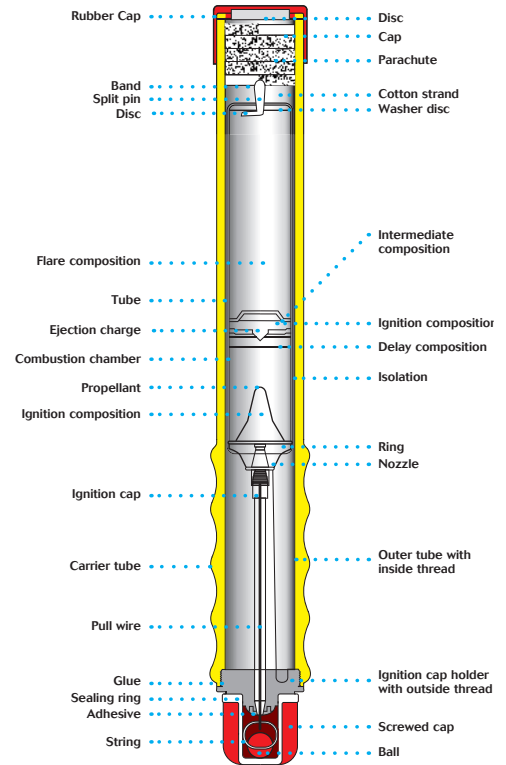
WARNING

- Ejects rocket projectile - do not point at people
- Do not fire in a confined space
- Keep out of reach of children
- Only for emergency use at sea
- If damaged or dented do not use
- Do not dismantle
- Keep away from source of heat
- Do not use after expiry date



STORAGE

Ideally, should be stored in the robust, specially designed Polybottle, or in a dry, easily accessed location at ambient temperature.



APPROVALS

Conforms to SOLAS 74 as amended, IMO Resolution 81(70) and 96/98/ EC. MED - BGV 425007-00, BAM-P2-0059, 0589-P2-0046, USCG/UK MER and other major maritime authorities worldwide.

DISPOSAL

Pyrotechnics must be treated as hazardous items and must be disposed of responsibly in accordance with local regulations.

SPECIFICATIONS

| | |
|--------------------|-------------------|
| Length | 287 mm (11.3") |
| Diameter at handle | 38 mm (1.5") |
| Diameter | 32 mm (1.25") |
| Weight Max | 245 g (8.23 oz) |
| NEC Max | 92 g (3.25 oz) |
| Light intensity | 30,000 candela |
| Burning time | 40 seconds |
| Colour of light | red |
| Ignition | pull-wire ignitor |
| Altitude | 300 m (985') |

SHIPPING INFORMATION

| | |
|-----------------------------------|---|
| UN Number | 0505 |
| Proper Shipping Name | Signals, Distress, Ship |
| Quantity per Box | 56 rockets |
| Box Type | 2 metal tins in a fibreboard box |
| Measurements of fibreboard box | 47 x 27 x 35 cm (18.5 x 10.6 x 13.8 in) |
| Net Weight Max | 13.7 kg (30.20 lb.) |
| Net Explosive Content per box Max | 5.152 kg (11.36 lb.) |
| Other Information | Cargo Aircraft Only |
| Hazard Class | 1.4G |
| Gross Weight | 16.3kg (35.93lb.) |

PainsWessex

Lifesmoke MK9

Item No. 9537000

The Lifesmoke MK9 is a compact, daylight distress signal designed to be easy and safe to handle.

It provides effective position marking during rescue operations and can be used to indicate wind direction, producing dense orange smoke for a minimum of 3 minutes.



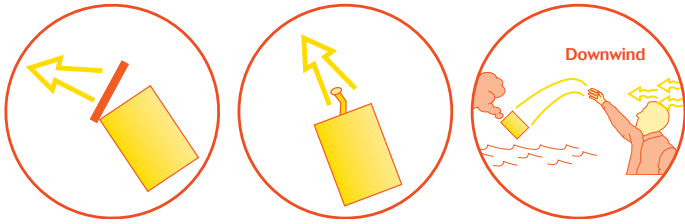
- + Signal for position marking during rescue operations
- + Indicates wind direction
- + Safe use on oil or petrol covered water

APPLICATION

The Pains Wessex Lifesmoke MK9 is a small and compact distress signal for daylight use designed for stowage in liferafts and lifeboats.

- SOLAS requires 2 smoke signals per raft/boat.
- Conforming to SOLAS 74 as amended
- Ideal also for leisure boats



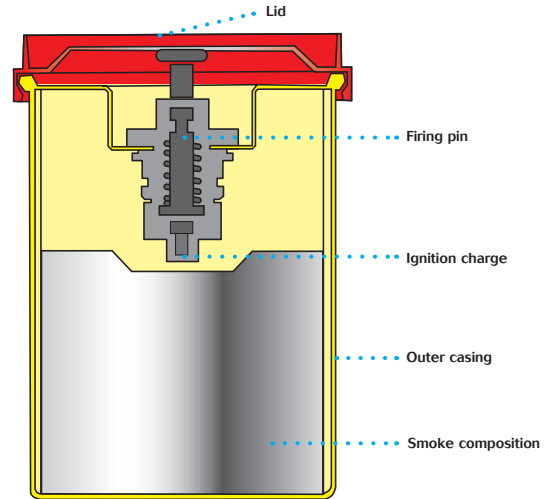


OPERATION

1. Remove plastic cap. Point away from body.
2. Pull tab firmly away from canister. Ensure hand remains clear of HOT END.
3. Throw Lifesmoke overboard immediately. Smoke will be emitted after a 2 second delay.

WARNING

- Produces dense orange smoke – do not inhale
- Do not fire in a confined space
- Keep out of reach of children
- Only for emergency use at sea
- If damaged or dented do not use
- Do not dismantle
- Keep away from source of heat
- Do not use after expiry date



STORAGE

This compact unit is ideally stored in a water-resistant locker at ambient temperature allowing easy access in an emergency or in the robust, specially designed polybottle.

APPROVALS

Conforms to SOLAS 74 as amended, Res. MSC 81 (70). Approvals: CE 0589, BAM-P1-0191, 0589-P1-0324, USCG 160.122./21/0, 160.022/21/0, UK MER and other major maritime authorities worldwide.

DISPOSAL

Pyrotechnics must be treated as hazardous items and must be disposed of responsibly in accordance with local regulations.

SPECIFICATIONS

| | |
|------------------|--|
| Height | 114mm (4.5in) |
| Diameter | 82mm (3.2in) |
| Gross Weight Max | 370g (13.05oz) |
| NEC Max | 239g (8.43oz) |
| Burning time | 3 minutes minimum |
| Colour of smoke: | Orange |
| Ignition | Percussion ignitor with 2 seconds safety delay |

SHIPPING INFORMATION

| | |
|-----------------------------------|---------------------------------|
| UN Number | 0507 |
| Proper Shipping Name | Signals, Smoke |
| Quantity per Box | 24 signals |
| Box Type | Fibreboard box |
| Measurements of fibreboard box | 37 x 27 x 27cm (15 x 11 x 17in) |
| Net Weight Max | 8.90 kg (19.62lb.) |
| Net Explosive Content per box Max | 5.736 kg (12.64lb.) |
| Other Information | Passenger and Cargo Aircraft |
| Hazard Class | 1.4S |
| Gross Weight | 9.40kg (20.72lb.) |

PainsWessex

Red Handflare MK8

Item No. 9529000

The Handflare MK8 conforms to SOLAS 74 as amended. Designed to withstand exceptional environmental exposure and to perform reliably even after immersion in water. Featuring a telescopic handle with improved grip, making it very compact for stowage. Easily extended for safe handling and operation by pull wire ignitor. Produces hot red flame for 60 seconds at 15000 candela.



- + Featuring a telescopic handle with improved grip, making it very compact for stowage.
- + Easily extended for safe handling and operation by pull wire ignitor.
- + Produces hot red flame for 60 seconds at 15000 candela.

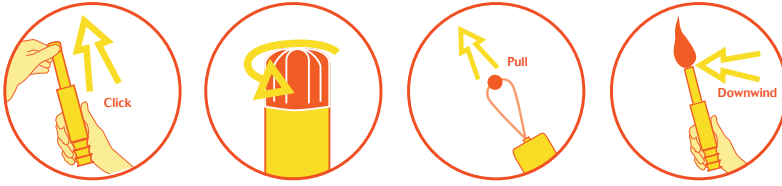
APPLICATION

For use day or night the Pains Wessex Mk8 red Handflare is a short range distress signal used to pinpoint position. May be carried on ships bridge and six are required to be fitted in ships lifeboats and liferafts. The handflare is suitable for use on other commercial and recreational boats.

Also available is the Pains Wessex White Collision Warn-off Handflare which is for use day or night when a collision danger exists or for the illumination of small areas outside.



Red Handflare MK8



OPERATION

1. Pull out red end until telescopic tube is fully extended and engaged.
2. Unscrew red end cap and point away.
3. Pull ball out sharply to fire.
4. Hold at arms length. Point Downwind. End plug ejects after 2 seconds delay.

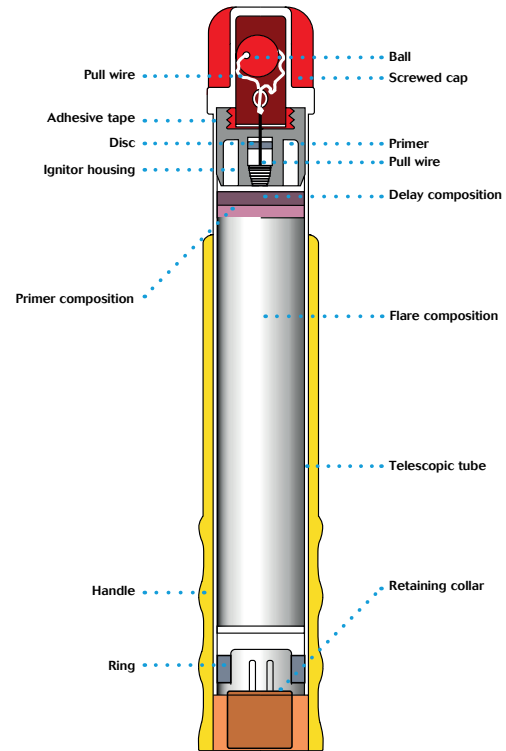
WARNING

- End plug ejected - do not point at people
- Produces red hot flame
- Do not fire in a confined space
- Keep out of reach of children
- Only for emergency use at sea
- If damaged or dented do not use
- Do not dismantle
- Keep away from source of heat
- Do not use after expiry date



STORAGE

Ideally, both products should be stored in the robust, specially designed Polybottle, or in a dry, easily accessed location at ambient temperature.



Not to actual scale

Length: 175mm

Length with handle pulled out: 280mm

APPROVALS

Conforms to: SOLAS 74 as amended, IMO resolution MSC. 81(70) Part 1, (MED) 96/98/EC, BGV 426005-00, BAM -P1-0594, 0589-P1-0617, USCG/UK MER and other major maritime authorities worldwide.

DISPOSAL

Pyrotechnics must be treated as hazardous items and must be disposed of responsibly in accordance with local regulations.

SPECIFICATIONS

| | |
|-------------------------------|--------------------|
| Length | 175mm (6.9 inches) |
| Length with handle pulled out | 280mm (11 inches) |
| Diameter | 28mm (1.1 inches) |
| Weight | 176g (6.2oz) |
| Light intensity | 15,000 candela |
| Burning time | 60 seconds |
| Colour of light | Red |
| Ignition | Pull-wire |
| Item No | 9529000 |
| Net Explosive Content Max | 63g (2.22 oz) |

SHIPPING INFORMATION

| | |
|-----------------------------------|---------------------------------|
| UN Number | 0191 |
| Proper Shipping Name | Signal devices, Hand |
| Quantity per Box | 100 |
| Box Type | Fibreboard |
| Measurements of fibreboard box | 37 x 27 x 27cm (15 x 11 x 11in) |
| Net Weight Max | 17.6kg (38.8lb.) |
| Net Explosive Content per box Max | 6.3 kg (13.89 lb.) |
| Other Information | Cargo Aircraft Only |
| Hazard Class | 1.4G |
| Gross Weight | 18.2kg |

PainsWessex

Day & Night Distress Signal MK8

Item No. 9559700

Compact, easy to operate, handheld distress signal. Consisting of a red flare at one end and an orange smoke at the other. Housed in a rugged, corrosion and water resistant case.



- + Incorporates a red flare (15,000 candela) for night and day use
- + Includes dense orange smoke for daytime use
- + Water resistant case ideal for extreme marine conditions

APPLICATION

This handheld signal has been designed for personal distress signalling and is ideal for divers, windsurfers, dinghy sailors and small boats operating inshore as well as outdoor pursuits such as mountaineering and was originally designed for helicopter/aircrew.

- Incorporates a red flare 15,000 candela at one end, for use at night and day, and a dense orange smoke at the other for daytime use.
- If either end is used, the signal should be disposed of and replaced.

Day & Night Distress Signal MK8



Operation (identical both ends)

OPERATION

For day or night use only when rescue services are sighted

1. Select the end to be used – smoke by day, flare at night. Due to its high power the flare also has good visibility by day if required. The Signal has colour coded and ribbed end caps to aid identification at night.
2. Remove end cap.
3. Hold clear of face, point away from body and downwind.
4. To activate pull toggle sharply away from body.

WARNING

- Produces red hot flame – do not point at people
- Produces dense orange smoke – do not inhale
- Do not fire in a confined space
- Keep out of reach of children
- Only for emergency use at sea
- If damaged or dented do not use
- Do not dismantle
- Keep away from source of heat
- Do not use after expiry date



STORAGE

Ideally, should be stored in the robust, specially designed Polybottle, or in a dry, easily accessed location at ambient temperature.

DISPOSAL

Pyrotechnics must be treated as hazardous items and must be disposed of responsibly in accordance with local regulations.

SPECIFICATIONS

| | |
|-----------------------|-------------------|
| Length | 190mm (7.48") |
| Diameter | 30mm (1.18") |
| Weight | 187g (6.603oz) |
| Net Explosive Content | 51.49g (1.8 oz) |
| Ignition | pull-wire ignitor |
| Flare burning time | 20 seconds |
| Light intensity | 15,000cd |
| Colour of light | Red |
| Smoke duration: | 18 seconds |
| Colour of smoke | Orange |

SHIPPING INFORMATION

| | |
|-----------------------------------|--------------------------------------|
| UN Number | 0191 |
| Proper Shipping Name | Signal Devices, Hand |
| Quantity per Box | 100 |
| Box Type | Fibreboard carton |
| Measurements of fibreboard box | 37 x 27 x 27 cm (15 x 11 x 11 in) |
| Net Weight Max | 18.7 kg (41.23 lb.) |
| Net Explosive Content per box Max | 5.14 kg (11.33 lb.) |
| Other Information | Cargo Aircraft |
| Hazard Class | 1.4G |
| Gross Weight | 19.3 kg (45.55 lb.) |

PainsWessex

Parachute Illuminating Rocket MK8

Item No. 9507550

The Parachute Illuminating Rocket is used in Search and Rescue operations at night or for collision warning. Designed to withstand exceptional environmental exposure and to perform reliably even after immersion in water.



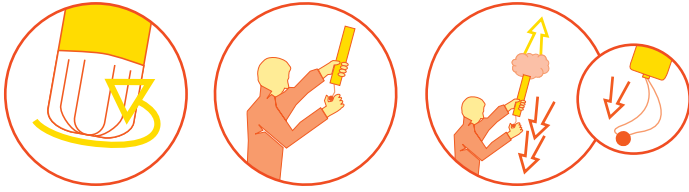
- + Rocket ejects a white flare at 300m (1000ft).
- + Burns for 30 seconds at 90,000 candela.
- + The pull wire ignitor and improved grip provides easy handling.

APPLICATION

A day or night collision warning signal, or used at night to illuminate areas for Search and Rescue operations.

Suitable for use in commercial vessels, recreational boats and rescue services.

Parachute Illuminating Rocket MK8



OPERATION

1. Hold signal firmly by ribbed handle. Unscrew WHITE bottom cap. Do not point at people or property.
2. Hold rocket vertically above head pointing away from body.
3. Ensure hands remain clear of top. To fire – pull red ball sharply down.

WARNING

- Ejects rocket projectile - do not point at people
- Do not fire in a confined space
- Keep out of reach of children
- Only for emergency use at sea
- If damaged or dented do not use
- Do not dismantle
- Keep away from source of heat
- Do not use after expiry date



STORAGE

Ideally, should be stored in the robust, specially designed Polybottle, or in a dry, easily accessed location at ambient temperature.

APPROVALS

CE 0589, BAM- P2-0060, BAM 0589-P2-0056

DISPOSAL

Pyrotechnics must be treated as hazardous items and must be disposed of responsibly in accordance with local regulations.

SPECIFICATIONS

| | |
|-----------------------|-------------------|
| Length | 287mm (11.3in) |
| Diameter | 32mm (1.25in) |
| Diameter at handle | 38mm (1.5in) |
| Weight | 260 g (9.17 oz) |
| Net Explosive Content | 92 g (3.2 oz) |
| Ignition | Pull-wire ignitor |
| Light intensity | 90,000 candela |
| Colour of light | White |
| Burning time | 30 seconds |
| Altitude | 300 m (985 ft) |

SHIPPING INFORMATION

| | |
|-----------------------------------|--|
| UN Number | 0505 |
| Proper Shipping Name | Signals, Distress, Ship |
| Quantity per Box | 56 rockets in 2 metal tins in a fibreboard box |
| Box Type | Fibreboard box |
| Measurements of fibreboard box | 47 x 27 x 35 cm (18.5 x 10.6 x 13.8in) |
| Net Weight Max | 14.6 kg (32.18 lb.) |
| Net Explosive Content per box Max | 5.152 kg (11.36 lb.) |
| Other Information | Cargo Aircraft Only |
| Hazard Class | 1.4G |
| Gross Weight | 17.2 kg (37.92 lb.) |

PainsWessex

White Handflare MK8

Item No. 9527510

The White Handflare MK8 is for use as a collision warning signal or for illumination of small areas.

Designed to withstand exceptional environmental exposure and to perform reliably even after immersion in water.

Featuring a unique telescopic handle with improved grip, making it very compact for stowage.



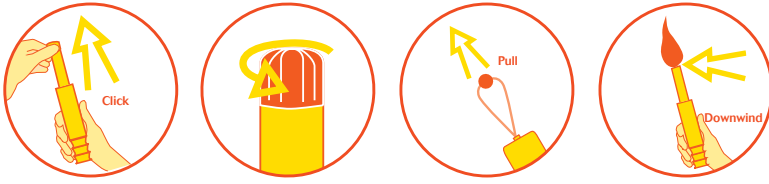
- + Easily extended for safe handling
- + Operation by pull wire ignitor
- + Produces hot white flame for 60 seconds at 2,500 candela.

APPLICATION

For use by day or night as a short-range collision warning signal, to pinpoint position and to illuminate small areas at night. These may be carried on the ship's bridge and are recommended for yachts making night passages.

Also available is the similar red handflare MK8 (Item No. 9529000), which is used to signal distress.

White Handflare MK8

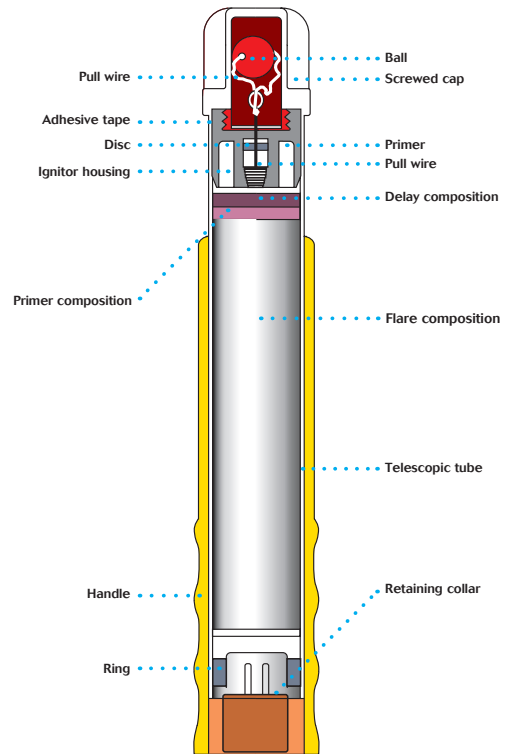


OPERATION

1. Pull out white end until telescopic tube is fully extended and engaged.
2. Unscrew white end cap and point away.
3. Pull ball out sharply to fire.
4. Hold at arms length. Point Downwind. End plug ejects after 2 seconds delay.

WARNING

- End plug ejected – do not point at people
- Produces red hot flame
- Do not fire in a confined space
- Keep out of reach of children
- Only for emergency use at sea
- If damaged or dented do not use
- Do not dismantle
- Keep away from source of heat
- Do not use after expiry date



Not to actual scale

Length: 175mm

Length with handle pulled out: 280mm

STORAGE

The telescopic handle saves stowage space. Ideally, both red and white handflares should be stored in our robust, specially designed polybottles, or in a dry, easily accessed location at ambient temperature. Do not store near sources of heat.

DISPOSAL

Pyrotechnics must be treated as hazardous items and must be disposed of responsibly in accordance with local regulations.

SPECIFICATIONS

| | |
|-------------------------------|-------------------|
| Length | 175mm (6.9in) |
| Length with handle pulled out | 280mm (11in) |
| Diameter | 28mm (1.1in) |
| Weight | 170g (6.003oz) |
| Net Explosive Content | 60g (2.12oz) |
| Ignition | Pull wire ignitor |
| Burning time | 60 seconds |
| Light intensity | 2,500 candela |
| Colour of light | White |

SHIPPING INFORMATION

| | |
|-----------------------------------|---------------------------------|
| UN Number | 0191 |
| Proper Shipping Name | Signal Devices Hand |
| Quantity per Box | 100 |
| Box Type | Fibreboard box |
| Measurements of fibreboard box | 37 x 27 x 27cm (15 x 11 x 11in) |
| Net Weight Max | 17kg (37.48 lb.) |
| Net Explosive Content per box Max | 6kg (13.23lb.) |
| Other Information | Cargo Aircraft Only |
| Hazard Class | 1.4G |
| Gross Weight | 17.6kg (38.80lb.) |

PainsWessex

Orange Handsmoke MK8A

Item No. 9539300

The Orange Handsmoke is a hand-held marine distress signal for daytime use to indicate position and wind direction. Produces dense orange smoke for 60 seconds.



- + Water resistant case ideal for extreme marine conditions
- + Maximised output in a compact design

APPLICATION

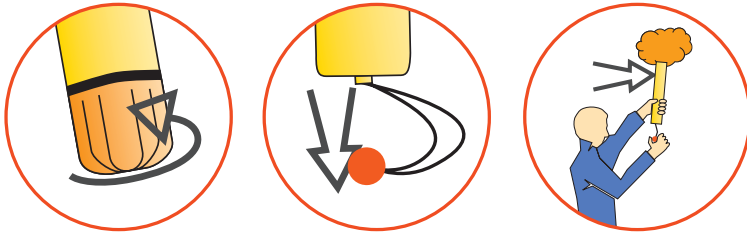
Daytime, short range distress signal, used to pinpoint position and indicate wind direction once potential rescuer is sighted.

Ideal for use on yachts, dinghies, RIBs, canoes and is included in our Inshore and Coastal kits.



CE 0589

Orange Handsmoke MK8A



OPERATION

1. Unscrew bottom brown end cap and point away from body
2. To ignite – pull toggle down sharply
3. Hold at arms length, downwind and outboard

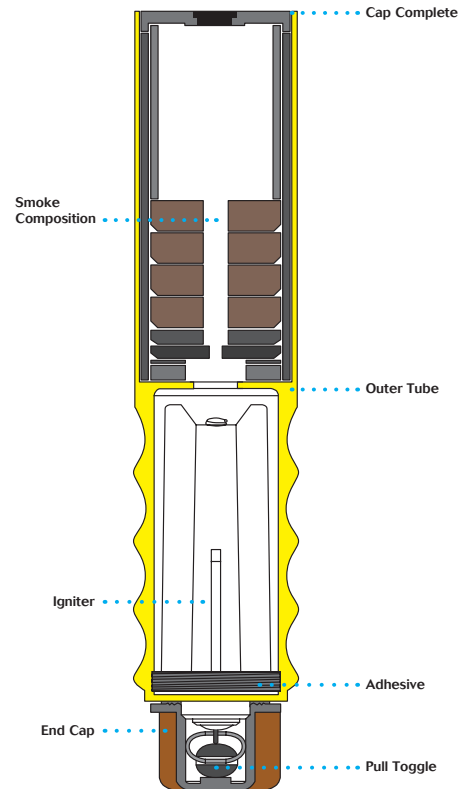
WARNING

- End plug ejected – do not point at people
- Produces dense orange smoke – do not inhale
- Do not fire in a confined space
- Keep out of reach of children
- Only for emergency use at sea
- If damaged or dented do not use
- Do not dismantle
- Keep away from source of heat
- Do not use after expiry date



APPROVALS

USCG/UK MER and other major maritime authorities worldwide.



STORAGE

Should be stored in either the mini or large Polybottle in a dry, easily accessed location at ambient temperature.

DISPOSAL

Pyrotechnics must be treated as hazardous items and must be disposed of responsibly in accordance with local regulations.

SPECIFICATIONS

| | |
|-----------------------|-------------------|
| Length | 24.3cm (9.57in) |
| Diameter | 3.8cm (1.5in) |
| Weight | 165g (5.82oz) |
| Net Explosive Content | 55.5g (1.96oz) |
| Ignition | Pull wire ignitor |
| Burning time | 60 seconds |
| Colour of smoke | Orange |

SHIPPING INFORMATION

| | |
|-----------------------------------|---------------------------------|
| UN Number | 0507 |
| Proper Shipping Name | Signals, Smoke |
| Quantity per Box | 50 |
| Box Type | Fibreboard box |
| Measurements of fibreboard box | 37 x 27 x 27cm (15 x 11 x 11in) |
| Net Weight Max | 8.3kg (18.3lb.) |
| Net Explosive Content per box Max | 2.775kg (6.12lb.) |
| Other Information | Cargo Aircraft Only |
| Hazard Class | 1.4S |
| Gross Weight | 8.8kg (19.4lb.) |

PainsWessex

Personal Distress Signals Miniflare MK8

Item No. 9556650

The lightweight, Pains Wessex Personal Distress Signals pack contains 9 red aerial flare cartridges and a penjector firing mechanism, all enclosed in a tough, water-resistant case. The penjector is fitted with a stainless-steel spring and striker pin. It features a slot for easy loading and unloading of the flare cartridge with the trigger in the safety catch position.



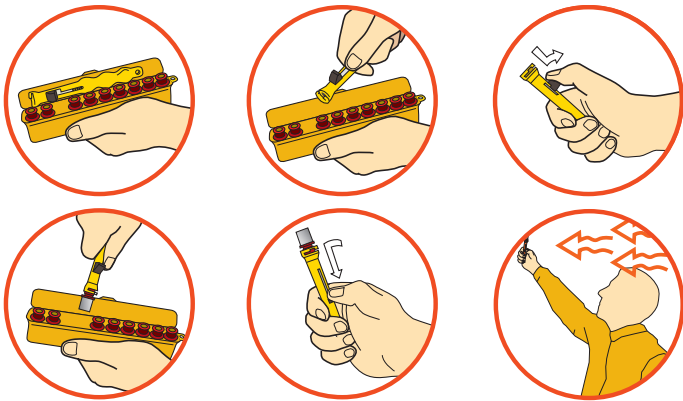
- + For use in day and night distress signal situations.
- + Upto 10 mile visibility
- + Self consuming cartridges designed for easy loading

APPLICATION

Pains Wessex Personal Distress Signals are designed primarily for use on yachts, dinghies, Personal Water Craft, canoes and sailboards, but have many applications as a general-purpose distress signal for aviation, hill-walking, climbing, skiing and other outdoor pursuits.

Each cartridge projects its payload to a height of 50 metres, burns for over 5 seconds at a minimum of 10,000 candela and is visible for at least 5 miles in daylight increasing to 10 miles at night, depending on weather conditions. Operating instructions are on the case.

Personal Distress Signals Miniflare MK8



OPERATION

For day or night-use only when rescue services are sighted

1. Open case.
2. Remove penjector from pack.
3. Place trigger in safety catch position.
4. Load the flare cartridge by sliding into slot on penjector.
5. To fire, hold the penjector firmly at arms length above and away from face and body, pull back penjector trigger and release – fire vertically and be prepared for slight recoil and loud report.

WARNING

- Ejects projectile – do not point at people or property
- Do not fire in a confined space
- Keep out of reach of children
- Only for emergency use
- If damaged or dented do not use
- Do not dismantle
- Keep away from sources of heat
- Do not use after expiry date



STORAGE

When not carried, the signal should be stored in our robust, specially designed Polybottle, or in a dry location at ambient temperature.

DISPOSAL

Pyrotechnics must be treated as hazardous items and must be disposed of responsibly in accordance with local regulations.

SPECIFICATIONS

| | |
|-----------------------|---|
| Height | 50 metres (164') |
| Dimensions | 180mm x 58mm x 25mm (7.1 x 2.28 x 1.0in) |
| Weight | 190g (6.7oz) in display box 147g (5.19oz) just the magazine filled with nine cartridges and the signal pen |
| Net Explosive Content | Approx 48g per set (1.69oz) 5.25g per cartridge (0.19oz) |
| Burning time | over 5 seconds |
| Light intensity | 10,000 candela |

SHIPPING INFORMATION

| | |
|-----------------------------------|------------------------------------|
| UN Number | 0312 |
| Proper Shipping Name | Cartridges, Signal |
| Quantity per Box | 50 |
| Box Type | Fibreboard carton |
| Measurements of fibreboard box | 37 x 27 x 27cm (15 x 11 x 11in) |
| Net Weight Max | 9.5kg (20.94 lb.) |
| Net Explosive Content per box Max | 2.4kg (2.59lb.) |
| Other Information | Cargo Aircraft only |
| Hazard Class | 1.4G |
| Gross Weight | 10.1kg (22.27 b.) |

PainsWessex

Compact Distress Signals Miniflare MK8

Item No. 9556660

The Pains Wessex Compact Distress Signals pack includes three red aerial flare cartridges and a penjector firing mechanism, all stored in a durable, water-resistant case.

The penjector is equipped with a stainless-steel spring and striker pin, featuring a convenient slot for loading and unloading the flare cartridges.



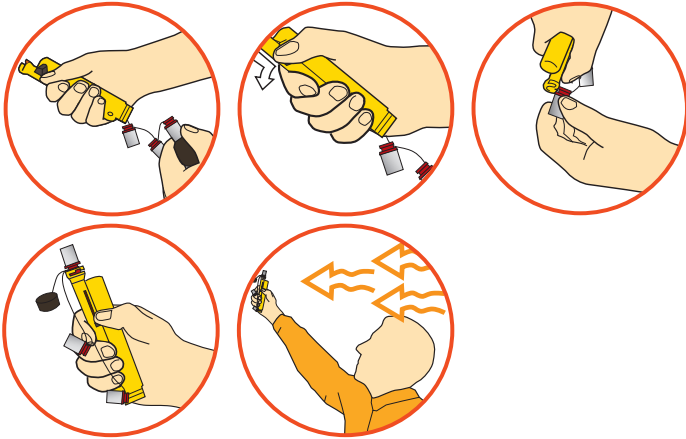
- + For use in day and night distress signal situations.
- + Upto 10 mile visibility.
- + Self consuming cartridges designed for easy loading.
- + Cartridges are kept secure on an elastic lanyard within the casing to prevent loss.

APPLICATION

Pains Wessex Personal Distress Signals are designed primarily for use on yachts, dinghies, Personal Water Craft, canoes and sailboards, but have many applications as a general-purpose distress signal for aviation, hill-walking, climbing, skiing and other outdoor pursuits.

Each cartridge projects its payload to a height of 50 metres, burns for over 5 seconds at a minimum of 10,000 candela and is visible for at least 5 miles in daylight increasing to 10 miles at night, depending on weather conditions. Operating instructions are on the case.

Compact Distress Signals Mini are MK8



OPERATION

For day or night-use only when rescue services are sighted

1. Unscrew base cap.
2. Place trigger in safety catch position.
3. Load the flare cartridge attached to lanyard by sliding into slot on penjector.
4. To fire, hold the penjector firmly at arms length above and away from face and body, pull back penjector trigger and release – fire vertically and be prepared for slight recoil and loud report.

WARNING

- Ejects projectile – do not point at people or property
- Do not fire in a confined space
- Keep out of reach of children
- Only for emergency use
- If damaged or dented do not use
- Do not dismantle
- Keep away from sources w heat
- Do not use after expiry date



STORAGE

When not carried, the signal should be stored in our robust, specially designed Polybottle, or in a dry location at ambient temperature.

DISPOSAL

Pyrotechnics must be treated as hazardous items and must be disposed of responsibly in accordance with local regulations.

SPECIFICATIONS

| | |
|-----------------------|---|
| Height | 50 metres (164') |
| Dimensions | 145mm x 40mm x 25mm (5.7 x 1.6 x 1.0 in) |
| Weight | 125g (4.41oz) in display box 80g (2.82) just the signal pen filled with three cartridges |
| Net Explosive Content | Approx 16g per pack (0.56 oz) 5.25g per cartridge (0.19 oz) |
| Burning time | 5 seconds |
| Light intensity | 10,000 candela |

SHIPPING INFORMATION

| | |
|--------------------------------------|-------------------------------------|
| UN Number | 0312 |
| Proper Shipping Name | Cartridges, Signal |
| Quantity per Box | 50 |
| Box Type | Fibreboard carton |
| Measurements of fibreboard box | 37 x 27 x 27cm (15 x 11 x 11 in) |
| Net Weight Max | 6.3 kg (13.89 lb.) |
| Net Explosive Content per box Max | 0.8 kg (1.76 lb.) |
| Other Information | Cargo Aircraft only |
| Hazard Class | 1.4G |
| Gross Weight | 6.9 kg (15.21 lb.) |

PainsWessex

Signal Pistol and Cartridges

Calibre 4/26.5mm. Item Nos. Pistol 9129000

Signal Cartridges

- Red 9182000
- White 9182100
- Green 9182200
- Maroon 9122500



SIGNAL PISTOL FEATURES

- Pistols are new, not re-conditioned
- Solid and robust, easy to operate
- The body is made of a special polymer which is highly impact, temperature and UV resistant
- The barrel is stainless steel which guarantees a lifetime of 2000 shots
- Fires range of distress, illuminating, maroon and signalling Very cartridges
- Can be used for flare stack lighting

SIGNAL CARTRIDGE FEATURES

- Easy handling
- Easy identification
- Coloured caps signify flare colour and notched edges aid identification at night
- Red flare = Full edging and signals distress
- White flare = half edging and signals collision warning and briefly illuminates the foreground
- Green flare = no edging and used as a general signal
- Maroon flare = no edging and produces an acoustic and optical signal (flash and bang)

Signal Pistol and Cartridges

SPECIFICATIONS

SIGNAL PISTOL

| | |
|------------------|-----------------|
| Total length | 199.8mm (7.9in) |
| Length of barrel | 154.8mm (6.1in) |
| Pistol weight | 528g (18.62oz) |



FIREARM

- The trade in firearms requires an arms trade permit
- Purchase of firearms is only allowed if you possess a valid firearm licence

SPECIFICATIONS

SIGNAL CARTRIDGES

| | |
|--|---|
| Length | 80mm (3.15in) |
| Diameter | 26.5mm (1in) (Cal.4) |
| Cartridge case | Plastic |
| Height | 100m (328ft) +/-20m (66ft) |
| Burning time | 8 seconds |
| Art No. 9182000 = Red >30,000 candela | Net Explosive Content: 15g (0.53oz) Weight: 38g each (0.99oz) |
| Art No. 9182100 = White >40,000 candela | Net Explosive Content: 26.5g (0.93oz) Weight: 45g (1.59oz) |
| Art No. 9182200 = Green >10,000 candela | Net Explosive Content: 15g (0.53oz) Weight: 38g each (1.34oz) |
| Art No. 9122500 = Maroon | Net Explosive Content: 13g (0.46oz) Weight: 62g each (2.19oz) |
| Cartridge case | Aluminium |
| Height | 120m (394 ft) |
| Produces a flash with a cloud of smoke and a loud report of 170 decibels at 3m (10ft) distance and 1m (3.3ft) height | |

SHIPPING INFORMATION

SIGNAL CARTRIDGES

| | |
|------------------------|--|
| UN Number | 0312 Maroon 0054 |
| Proper Shipping Name | Cartridges, Signal |
| Quantity per Box | 10 Signal cartridges in a inner paper carton 250 Cartridges in fibreboard box (25 inner boxes per carton) |
| Measurements of carton | L37 x W27 x H27cm (L14.57xW10.63xH10.63in) |
| Gross Weight | Red: 11.7kg (25.79 lb.) White: 13.5kg (29.77lb.) Green: 11.7kg (25.79lb.) Maroon: 17.7kg (39.02lb.) |

SHIPPING INFORMATION

| | |
|--------------------------------------|--|
| Net Weight without inner box | Red: 9.5kg (20.94lb.) White: 11.3kg (24.91lb.) Green: 9.5kg (20.94lb.) Maroon: 15.5 kg (34.17lb.) |
| Net Explosive Content per carton | Red: 3.8kg (8.38lb.) White: 6.6kg (14.55lb.) Green: 3.8kg (8.38lb.) Maroon: 3.3kg (7.28lb.) |
| Measurements of carton | 37 x W 27 x H 27cm (L14.57xW10.63xH10.63in) |
| Other Information | Cargo Aircraft Only |
| Hazard Class | 1.4G, Maroon 1.3G |
| PISTOL | |
| Pistol supplied in plastic briefcase | |
| Total weight (inc. briefcase) | Approx 0.95kg (2.1lb) |

PainsWessex

Emergency Rations: Survival Nutritional Pack

Pains Wessex Emergency Rations provide high energy food for emergency survival. Approved world-wide for use on board lifeboats and liferafts, our compact emergency rations have been developed to offer the highest quality rations manufactured under stringent German quality control standards.

- + Specially developed to minimise size, making them more cost effective to transport and store than other ration products on the market
- + Vegan, certified Halal, sustainable palm oil and free of GMO, for maximum usability.

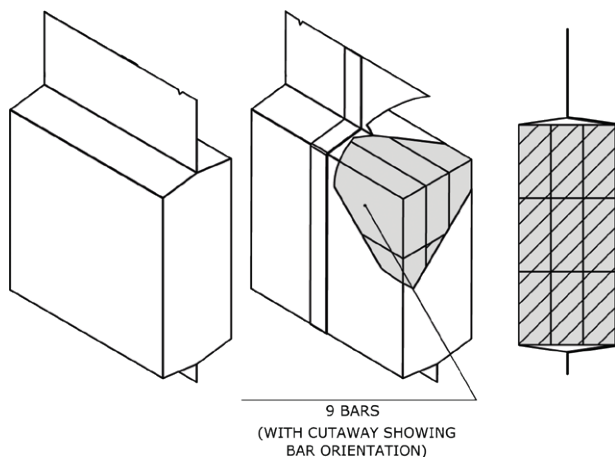


Emergency Rations: Survival Nutritional Pack

DESCRIPTION

Pains Wessex survival ration food box conforms to ISO18813:2022 and is approved by Lloyds Register and the USCG to meet the requirements for survival food. The pack consists of nine high energy wrapped bars in a vacuum sealed alu-foil pack to maintain freshness.

Each food pack weighs 500g (17.64 oz) providing an average 10,150kJ of energy meeting all the worldwide regulations. The packaging has been thoroughly tested to provide product durability and keeps fresh for over 5 years.



| ENG | CHI | JAP | NOR | GRE | FRE | SPA | GER | |
|----------------------|-----------|----------|----------------------------|---------------------------|----------------------------------|--------------------------|-------------------------------|---------------------|
| Nutrition facts per | 营养成分 (每份) | あたりの栄養成分 | Næringsfakta pr | Διατροφικά στοιχεία ανά | Informations nutritionnelles par | Datos nutricionales por | Nährwertangaben pro | 100 g |
| Energy | 能量 | エネルギー | Energi | Ενέργεια | Energie | Energia | Energie | 2,030 kJ / 484 kcal |
| Fat | 脂肪 | 脂質 | Fett | Λίπος | Graisses | Grasa | Fett | 19.6 g |
| - of which saturates | - 饱和脂肪酸 | - 飽和分 | - hvorav mettede fettsyrer | - εκ των οποίων κορεσμένα | - dont saturées | - de la cual saturada | - davon gesättigte Fettsäuren | 10.7 g |
| Carbohydrates | 碳水化合物 | 炭水化物 | Karbohydrater | Υδατανθρακες | Glucides | Carbohidratos | Kohlenhydrate | 67.2 g |
| - of which sugars | - 糖 | - 糖分 | - hvorav sukkerarter | - εκ των οποίων σακχαρα | - dont sucres | - de los cuales azucares | - davon Zucker | 12.7 g |
| Protein | 蛋白質 | タンパク質 | Protein | Πρωτεΐνη | Protéines | Proteina | Eiweiß | 8.5 g |
| Salt | 盐 | 塩 | Salt | Άλας | Sel | Sal | Salz | <0.03 g |

FEATURES

- Compact size for ease of transport and storage
- Ready to use, consumed directly from the packet
- 5 years shelf life
- Vacuum packed and watertight alu-foil.
- Halal Certified
- Vegan Certified Sustainable palm oil
- GMO and nut free
- Dropped and tumble tested to ensure durability.
- Contains optimal ratio of balanced nutrition to volume.
- Complies with SOLAS, ISO 18813:2022 and Directive (EU) 2020/2184

INGREDIENTS

Wheat flour, vegetable fat (palm), sugar, may contain traces of milk and soy.

LOGISTICS

| | |
|----------------|--|
| Box | 18 tablets packed in 9 bars 500g (17.64oz) |
| Box dimensions | H 105mm (4.13 in) x W 102mm (4.02 in) x D 47mm (1.85 in) |
| Carton | 24 units of 500g (17.64oz) |
| Weight | 12 kg (26.46lb.) net |
| Gross Weight | 13.44kg (29.63lb.) |
| Volume | 0.013m ³ (0.46 ft ³) |

MANUFACTURE

Manufactured by survival solutions specialist Wescom Group, the Pains Wessex brand Emergency Food Rations are manufactured to the highest quality control standards, in a purpose built production facility in Bremerhaven, Germany.

AVAILABILITY

Available from Wescom Group's global distribution partners.

PainsWessex

Emergency Drinking Water

Pains Wessex Emergency Drinking Water provides superior quality drinking water for emergency survival. Approved worldwide for use on board lifeboats and liferafts, our emergency drinking water has been manufactured under stringent German hygiene quality control standards and is globally approved to meet ISO standard 18813:2022 and Directive (EU) 2020/2184.

- + Compact and flexible packaging for ease of transport and storage very compact for stowage.
- + Ready to use, consumed directly from the packet.
- + Packed in nitrogen rich air and watertight alu-foil



Emergency Drinking Water

DESCRIPTION

Pain Wessex 500ml (16.9 fl.oz) Emergency Drinking Water contains of 4 x 125ml (4.227 fl.oz) alu-foil sachets. Cartons are available as 30 x 500ml (16.9 fl.oz) units with a weight of 15 kg (33.07 lb.) net/ carton.

The high-quality packaging also includes directions for use in multiple languages. The product has a 5 years shelf life and the flexible packets offer minimum weight and are easy to stow. Product can also be consumed in a frozen condition.

INSTRUCTIONS

- Drink directly from the sachet.
- Save drinking water, drink maximum 0.5L every 24 hours.

INGREDIENTS

Drinking water.



FEATURES

- Global Approvals
- Compact and flexible packaging for ease of transport and storage
- Ready to use, consumed directly from the packet.
- 5 years shelf life
- Water Resistant packaging to increase durability.
- Packed in nitrogen rich air and watertight alu-foil
- Dropped and tumble tested to ensure maximum durability.
- Complies with ISO 18813:2022 and Directive (EU) 2020/2184

MANUFACTURE

Manufactured by survival solutions specialist Wescom Group, the Pains Wessex brand Emergency Drinking Water is manufactured to the highest quality control standards, in a purpose built production facility in Bremerhaven, Germany.

AVAILABILITY

Available from Wescom Group's global distribution partners.

SPECIFICATIONS

SACHETS

| | |
|------------|-----------------------------------|
| Material | Alu foil |
| Content | 125ml (4.227fl.oz) water |
| Dimensions | 100mm (3.94in) x 170mm x (6.69in) |

PACKET

| | |
|------------|--|
| Material | Clear plastic bag |
| Content | 500ml (0.5 litre) containing 4 inner sachets of 125ml (4.227fl.oz) |
| Dimensions | 100mm (3.94 in) x 185mm (7.28 in)x 50mm (1.97in) |

CARTON

| | |
|----------|--|
| Material | Corrugated board |
| Content | 24 X 500ml (0.5 litre) |
| Weight | 12kg (26.46 lb.) |
| Volume | 12,000ml (12 litre) |
| Dims: | L 425mm (16.73in) x B 210mm (8.27in) x H 290mm (11.42in) |

Grab Bag

Buoyant, dry bag offering a convenient way to store all your safety equipment ready for emergency use.

Item no. 9875000



Polybottles

Rugged, buoyant containers, ideal for storing distress signals. Can be easily picked up in an emergency.

Item no. 9569000

Large Polybottle (waterproof)
12 litre (2.64gal) capacity

Item no. 9870050

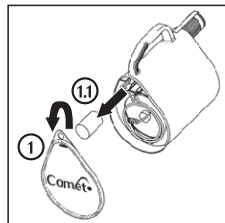
Mini Polybottle (water resistant) 3 litre (0.8gal) capacity



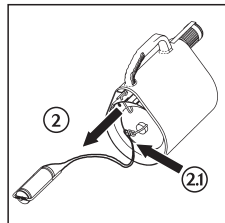
Linethrower 250

Rocket Installation Instruction

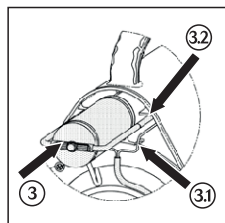
1. Inspect the container before changing the rocket for damage and signs of wear. A damaged device must not be used again. Remove the cover of the container and withdraw the white stoppers in the upper part of the container (1.1). **Attention:** In no circumstances are you to remove the stoppers from the middle of the cable coil!



- 2a. Replace old rocket. Extract the rocket completely from the rocket shaft of the container and separate from the cord (2.1).



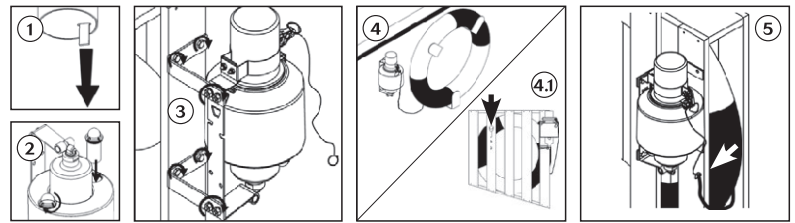
- 2b. Install new rocket.
3. Connect the new rocket with the cord (Bowline) and let them slide into the rocket shaft. The bracket must be guided under the tracks (3.1). **Attention:** The rocket should only slide into the rocket shaft through its own dead weight. Pay attention to the correct position of the pull jack. The steel cables of the pull jack run into the rocket shaft beneath the rocket and are guided through slots on the floor of the shaft (3.2). Ensure that the knotting of the cord end (Slipstek) does not hinder the rockets when firing. Fix the rocket in the bottom of the rocket shaft, place the white polystyrene plug on top and seal the container with the white top cover.



4. Attach date stickers to the device where the designated place of the product label should be.

Manoverboard MK9

Mounting, Operating and Test Instructions



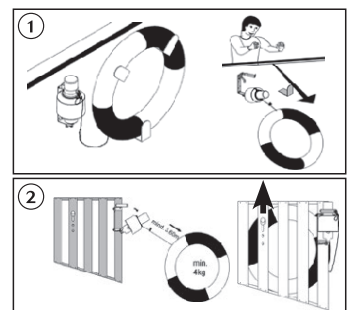
MOUNTING INSTRUCTION

1. Remove transit tag from base of light units. Check lights work by inverting units. **Note:** Lights only operate when upright and without transit tags.
2. Screw lights firmly into their holders in the float.
3. Fasten mounting bracket on outside of bridge wing bulwarks. Select mounting point to avoid vibration as much as possible. With Lifebuoy shute -fasten the right angled brackets on outboard side of lifebuoy shute. Screw mounting bracket to right angled brackets.
4. Install lifebuoy into bracket (4). Or-install lifebuoy into shute and fix by locking pin.(4.1)
5. Tie the connection line of the lifebuoy to the pull cord of the Light Smoke signal. (Minimum 3.6m of line).

Avoid at any time applying strong tension on the safety clip of the pull cord. Danger of unintended release of signal.

OPERATING INSTRUCTIONS

1. In case of a man overboard, throw lifebuoy overboard and the signal will be released automatically.
2. Attached to Lifebuoy shute: Remove pin and weight of lifebuoy will automatically release the signal. Signal produces dense orange smoke for 15 minutes minimum and two white lights far exceed the minimum requirement of 2 hours at 2 candela.



TESTING THE LIGHTS

1. The signal is designed to be 'fit and forget' for its entire service life.
2. Annual testing of lights is not required.
3. The LED lights are operated by a lithium battery and a tilt switch. They will remain 'OFF' until the signal is turned upright.
4. If a light test is required. Each light unit can be carefully unscrewed and removed from the holder.

PainsWessex

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