

Water-Jet Anti-Piracy System



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Introduction

The Water-Jet System is semi-active security system, it can be used to provide constant security due to an oscillating pattern. The ship is protected by a number of Monitors which give a tremendous 2000 L/min of water each, combined with a 7 Bar pressure this is an impressive and effective anti-piracy measure.

In case of pirates coming close to the vessel, the oscillating pattern can be aborted and there is an option for a remote operation of the monitor. This gives the option to actively counter-attack pirate vessels, with non-lethal weapons.

The system

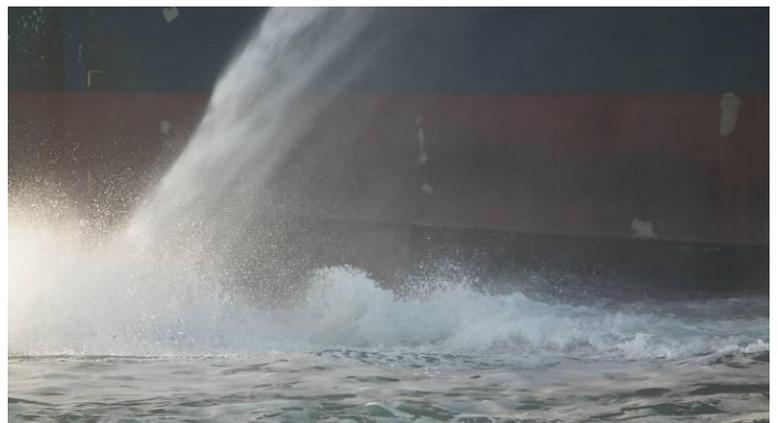
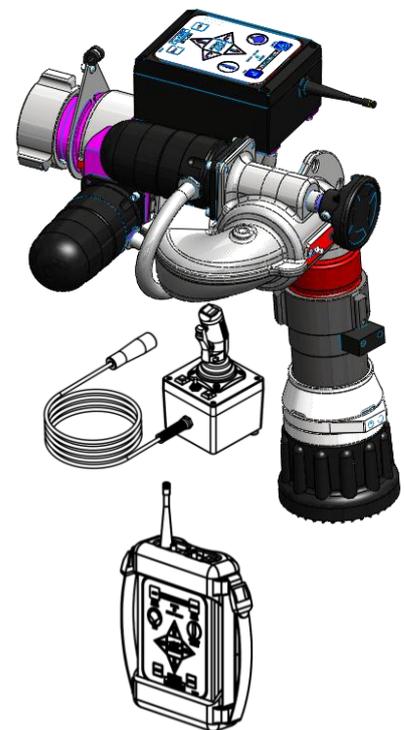
The composition of a Water-Jet system is depending on the ship concerned, although every system has the same major components knowing:

- Monitor
- Frame for Monitor
- Bullet proof Plate
- Hoses and connectors
- 20 Ft Container
- Miscellaneous Items

The Monitor

We use a programmable monitor that which can be programmed 360 degrees around the monitor. It gives a jet of 2000 L/min combined with a 7 bar pressure, it can be considered a effective non-lethal weapon.

There is an option for remote operation, from a short distance (ca. 5 m) using a wired joy-stick. Also we offer a wireless remote with a reach of approximately 600 m, so all monitors can be operated from the ship's bridge.

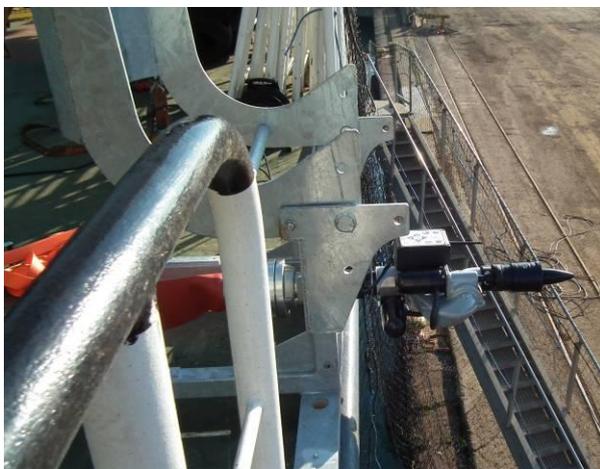
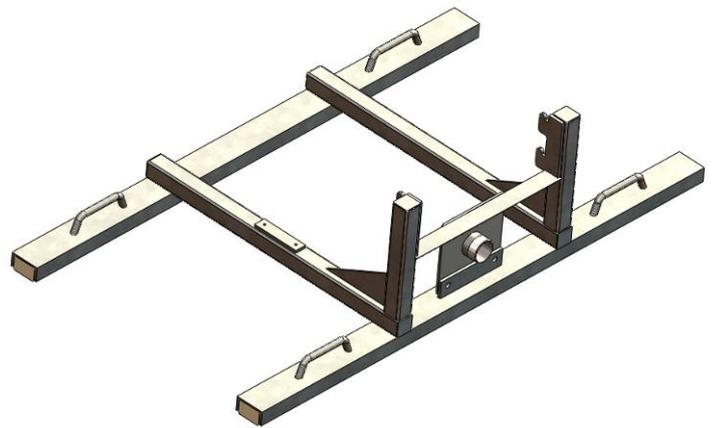


Frame for monitor

We have two types of frames which can be used to give the monitor a solid platform aboard the ship.

There is the frame which is mounted to the deck using straps or specially designed brackets. This is especially useful when there is no railing or a dismantlable railing.

The other option we have is a railing mounted frame, here the monitor is mounted higher.



Bullet Proof Plate

To protect the monitor against bullet-impacts or on-board accidents, we designed a 8 mm Ympress Plate to protect the most vulnerable part of the system. The plate can be flipped up to provide a bigger workspace for the water jet.



Hoses and connectors

In order to provide enough water to the monitors we offer a wide range of hoses and (Storz)connectors. The most commonly used items are:

- 6" hose 20 m, 10 m or 5 m
- 4" hose 20 m, 10 m or 5 m
- Different kinds of Storz connectors
- 8" flanges
- 8" inlet hose



20 Ft Container

To make sure everything is stacked away properly and there are no loose parts wondering all over the ship, we deliver the system in a 20 Ft container with a side door. Furthermore the container includes the following:

- 2x Multi Lock
- 1x Earth connector with 50 mm² cable
- 1x Electrical box 230V
- 4x Double TL light
- 2x Ventilation grill for cooling
- 1x Sail for grill
- the walls and roof covered in wooden plates 18 mm



Miscellaneous items

We offer a wide range of supportive or extras for the water-jet system. These extras do however have an added value to the system.

We offer a custom made storing system which is fit into the storage container. It is made with an eye for durability and functionality.



Storz connectors should be properly tightened using two Storz keys. They will be delivered with the system.



To counter condense eroding the inside of the container, we offer a ventilating heater.



The monitors use 24 V , if you do not have facilities for this aboard we offer special 24 V 50 m reels. These can be mounted to the wall of the container.

