

UNIFIRE

PROTECT YOUR VESSEL!



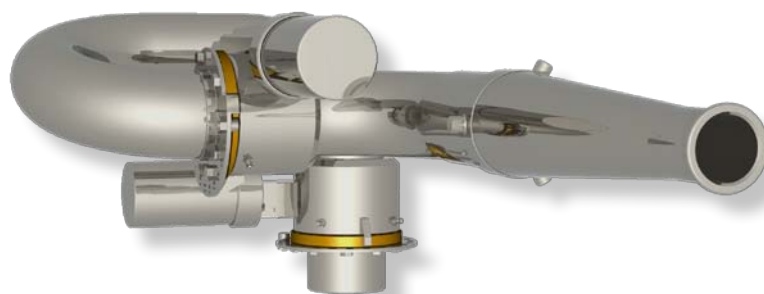
UNIFIRE FORCETM
REMOTE CONTROLLED, NETWORKED
STAINLESS STEEL ANTI-PIRATE WATER CANNON SYSTEMS

Mercury Firesafety

/// FIRESAFETY /// PROTECTION /// MEDICAL /// RESCUE



ANTI-PIRATE WATER CANNONS



Ship hijackings, robberies, and ransom demands by pirates account for untold damages each year. Piracy plagues the maritime industry around the globe, and is particularly acute in the Gulf of Aden and the waters surrounding Nigeria, Indonesia, Tanzania, and Somalia, to name just a few hot spots.

In 2007, 263 ships fell victim to attempted and actual attacks by pirates, and another 199 in just the first three quarters of 2008.¹

Unifire's Force™ series Anti-Pirate water cannons can help insure the safety of your ship and its crew and cargo by providing an effective, non-lethal tool to help combat pirate attacks.

Delivering precise aim and control of up to 5000 liters per minute each, Unifire's Anti-Pirate cannons have a range of approximately 90 meters at 10 bar.

Made entirely of marine-grade stainless steel (type 316), these shiny cannons are capable of flooding the threatening ship with water in seconds. They also deliver a powerful and impenetrable stream of water that blows away any person trying to gain access to the ship. It is for this very reason that Unifire's Force monitors are also used by police and military on Riot Control vehicles.

Unifire's consultants can help you today to design a system appropriate to protect your crew, ship and valuable cargo from pirates. For more details contact your UNIFIRE Agent or dealer.

Best regards,

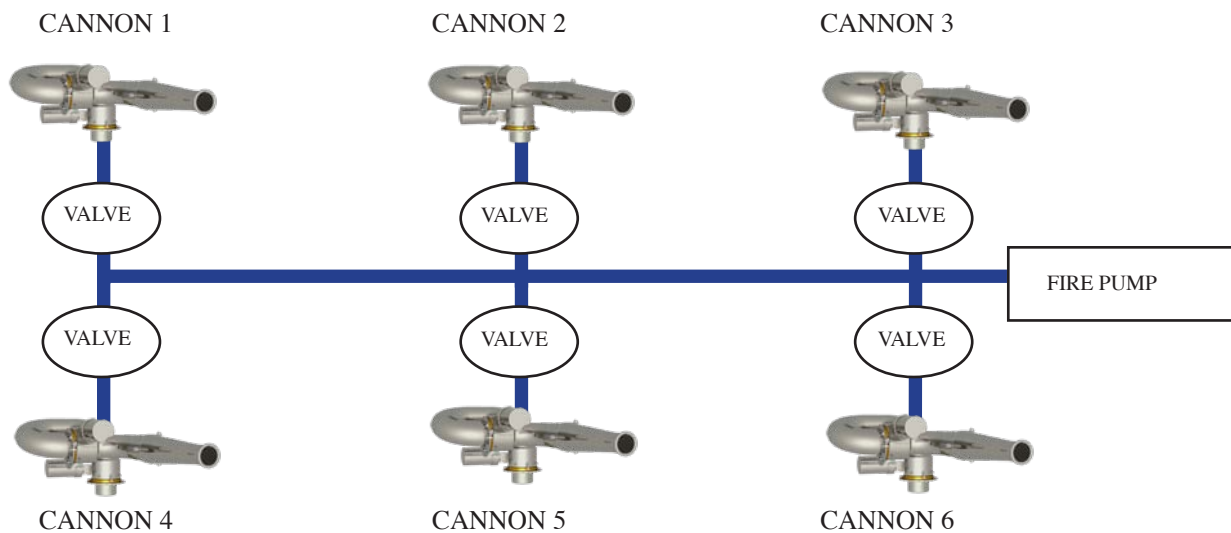
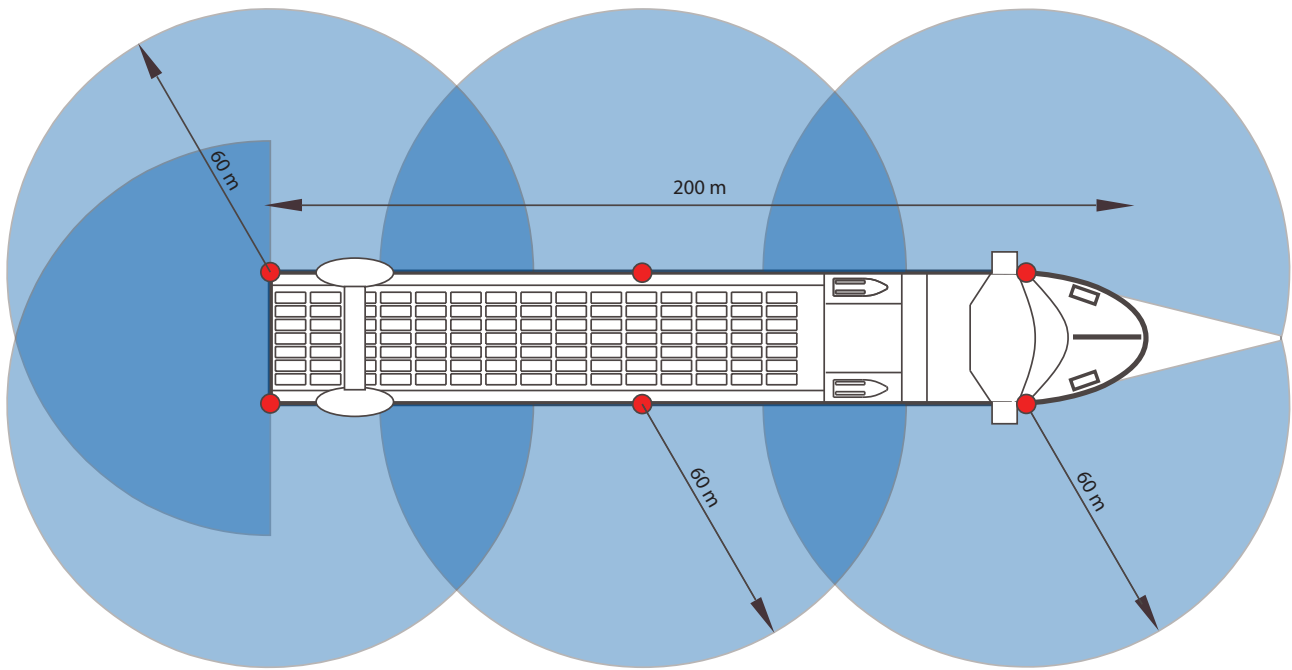
A handwritten signature in black ink that reads "Roger Barrett James".

Roger Barrett James
Director of International Sales & Marketing

1. ICC International Maritime Bureau, *Piracy and Armed Robbery Against Ships Report* 1 January – 30 September 2008.

EXAMPLE INSTALLATION

- 200m x 30m RO-RO SHIP
- 6 x FORCE80 flowing a modest 3500 lit/min at 5 bar
- Well over 60 m effective reach
- Areas marked blue are secured



CONTROL STATION



All water cannons are controlled from one or several control stations with a Joystick and a control keyboard. The Joystick will control the monitor(s) selected on the keyboard. Signal will be sent to open the corresponding valve.

Keyboard buttons can be assigned to start pumps, turn on flood lights and/or any related auxiliaries.

ANTI-PIRATE WATER CANNONS



UNIFIRE FORCE water cannons are also commonly used on ships for marine fire fighting. Installing the Unifire Anti-Pirate system also provides your ship with added fire fighting protection.

Marine-grade Shiny Stainless Steel Construction

Unifire Force water cannons are made entirely of marine-grade, acid-proof stainless steel (type 316), making them corrosion-proof, light weight, and capable of withstanding extreme temperatures.

Multi-connectors for Simple Installation and Maintenance

All connection points on water cannon and MCU (Monitor Control Unit) have IP67 multi-connectors.

Resistant to Ice and Low Temperatures

The integrated gear design prevents ice and snow blocking water cannon movements.

Progressive Joystick

The joystick is of a fully progressive, optical type. Allows for fast movement as well as very slow and precise target shooting. From the Joystick or control panel an electric or pneumatic valve can be remotely operated.

Simple End-position Setting

The range of motion of each cannon can be easily set and adjusted on site by simply placing the system's end position bolts according to your exact needs. End positions can be set in 15 degree increments, both horizontally and vertically.

CANBUS Communication, Network and UCS

The joystick unit communicates via a Canbus cable and protocol. The system allows for multiple water cannons to be controlled from a single Joystick and control station. The full UCS - Unifire Control System - can control and interact with other systems onboard. Please contact UNIFIRE AB for more information about UCS.

SYSTEM SPECIFICATIONS

	FORCE 50	FORCE 80
Weight	18 Kg	30 kg
Dimension	50x35x22 cm	80x50x33 cm
Flow max @ 10 bar	2000 lit/min	5000 lit/min
Reach max	65 m	90 m
Material	316 Stainless steel	316 Stainless steel
Power requirement	24V DC / 20A max	24V DC / 20A max
Joystick/ Network cable length	max 3000 m	max 3000 m
Range of motion	+/- 90° Vert / 360° Hor.	+/- 90° Vert / 360° Hor.

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