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SAFETY

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“The Moral Foundations of Society”

excerpted from a 1994 speech by former Prime Minister of Great Britain,
Lady Margaret Thatcher

For over two centuries, Americans have held fast to their belief in freedom for all men—a belief that springs from their spiritual heritage. John Adams, second president of the United States, wrote in 1789, “Our Constitution was designed only for a moral and religious people. It is wholly inadequate for the government of any other.” That was an astonishing thing to say, but it was true.

With enormous courage, the first American colonists set out on a perilous journey to an unknown land—without government subsidies and not in order to amass fortunes but to fulfill their faith. ...the faith of America’s founders affirmed the sanctity of each individual. Every human life—man or woman, child or adult, commoner or aristocrat, rich or poor—was equal in the eyes of the Lord. It also affirmed the responsibility of each individual.

This was not a faith that allowed people to do whatever they wished, regardless of the consequences. The Ten Commandments, the injunction of Moses (“Look after your neighbor as yourself,” the Sermon on the Mount, and the Golden Rule made Americans feel precious—and also accountable—for the way in which they used their God-given talents. Thus they shared a deep sense of obligation to one another. And, as the years passed, they not only formed strong communities but devised laws that would protect individual freedom—laws that would eventually be enshrined in the Declaration of Independence and the U. S. Constitution.

In the pre-Christian era, ... the ancient philosophers like Plato and Aristotle had much to contribute to our understanding of such concepts as truth, goodness, and virtue. They knew full well that responsibility was the price of freedom. Yet it is doubtful whether truth, goodness, and virtue founded on reason alone would have endured in the same way as they did in the West, where they were based upon a Biblical ethic.

Sir Edward Gibbon (1737-1794), author of *The Decline and Fall of the Roman Empire*, wrote tellingly of the collapse of Athens, which was the birthplace of democracy. He judged that, in the end, more than they wanted freedom, the Athenians wanted security. Yet they lost everything—security, comfort, and freedom. This was because they wanted not to give to society, but for society to give to them. The freedom they were seeking was freedom from responsibility. It is no wonder, then, that they ceased to be free. In the modern world, we should recall the Athenians’ dire fate whenever we confront demands for increased state paternalism.

Communism denied all that the Judeo-Christian tradition taught about individual worth, human dignity, and moral responsibility. It was not surprising that it collapsed after a relatively brief existence. It could not survive more than a few generations because it de-

nied human nature, which is fundamentally moral and spiritual.

It is important to understand that the moral foundations of a society do not extend only to its political system; they must extend to its economic system as well. America’s commitment to capitalism is unquestionably the best example of this principle. Capitalism is not, contrary to what those on the Left have tried to argue, an amoral system based on selfishness, greed, and exploitation. It is a moral system based on a Biblical ethic. There is no other comparable system that has raised the standard of living of millions of people, created vast new wealth and resources, or inspired so many beneficial innovations and technologies.

The wonderful thing about capitalism is that it does not discriminate against the poor, as has been so often charged; indeed, it is the only economic system that raises the poor out of poverty. Capitalism also allows nations that are not rich in natural resources to prosper. If resources were the key to wealth, the richest country in the world would be Russia, because it has abundant supplies of everything from oil, gas, platinum, gold, silver, aluminum, and copper to timber, water, wildlife, and fertile soil. Why isn’t Russia the wealthiest country in the world? Why aren’t other resource-rich countries in the Third World at the top of the list? It is because their governments deny citizens the liberty to use their God-given talents.

In his recent encyclical, *Centesimus Annus*, Pope John Paul II ... acknowledged that capitalism encourages important virtues, like diligence, industriousness, prudence, reliability, fidelity, conscientiousness, and a tendency to save in order to invest in the future. It is not material goods but all of these great virtues, exhibited by individuals working together, that constitute what we call the “marketplace.”

Free societies demand more care and devotion than any others. They are, moreover, the only societies with moral foundations, and those foundations are evident in their political, economic, legal, cultural, and, most importantly, spiritual life.

We who are living in the West today are fortunate. Freedom has been bequeathed to us. We have not had to carve it out of nothing; we have not had to pay for it with our lives. Others before us have done so. But it would be a grave mistake to think that freedom requires nothing of us. Each of us has to earn freedom anew in order to possess it. We do so not just for our own sake, but for the sake of our children, so that they may build a better future that will sustain over the wider world the responsibilities and blessings of freedom.

What Happened To Our Founding Fathers

Have you ever wondered what happened to the 56 men who signed the Declaration of Independence?

Five signers were captured by the British as traitors, and tortured before they died. Twelve had their homes ransacked and burned. Two lost their sons in the Revolutionary Army, another had two sons captured. Nine of the 56 fought and died from wounds or hardships of the Revolutionary War.

They signed and they pledged their lives, their fortunes, and their sacred honor.

What kind of men were they? Twenty-four were lawyers and jurists. Eleven were merchants, nine were farmers and large plantation owners; men of means, well educated. But they signed the Declaration of Independence knowing full well that the penalty would be death if they were captured.

Carter Braxton of Virginia, a wealthy planter and trader, saw his ships swept from the seas by the British Navy. He sold his home and properties to pay his debts, and died in rags.

Thomas McKeam was so hounded by the British that he was forced to move his family almost constantly. He served in the Congress without pay, and his family was kept in hiding. His possessions were taken from him, and poverty was his reward.

Vandals or soldiers looted the properties of Dillery, Hall, Clymer, Walton, Gwinnett, Heyward, Rutledge, and Middleton.

At the battle of Yorktown, Thomas Nelson, Jr., noted that the British General Cornwallis had taken over the Nelson home for his headquarters. He quietly urged General George Washington to open fire. The home was destroyed, and Nelson died bankrupt.

Francis Lewis had his home and properties destroyed. The enemy jailed his wife, and she died within a few months.

John Hart was driven from his wife's bedside as she was dying. Their 13 children fled for their lives. His fields and his gristmill were laid to waste. For more than a year he lived in forests and caves, returning home to find his wife dead and his children vanished. A few weeks later he died from exhaustion and a broken heart. Norris and Livingston suffered similar fates.

Such were the stories and sacrifices of the American Revolution. These were not wild eyed, rabble-rousing ruffians. They were soft-spoken men of means and education. They had security, but they valued liberty more. Standing tall, straight, and unwavering, they pledged: "For the support of this declaration, with firm reliance on the protection of the divine providence, we mutually pledge to each other, our lives, our fortunes, and our sacred honor."

The Bill of Rights

Amendment I

Congress shall make no law respecting an establishment of religion, or prohibiting the free exercise thereof; or abridging the freedom of speech, or of the press; or the right of the people peaceably to assemble, and to petition the government for a redress of grievances.

Amendment II

A well regulated militia, being necessary to the security of a free state, the right of the people to keep and bear arms, shall not be infringed.

Amendment III

No soldier shall, in time of peace be quartered in any house, without the consent of the owner, nor in time of war, but in a manner to be prescribed by law.

Amendment IV

The right of the people to be secure in their persons, houses, papers, and effects, against unreasonable searches and seizures, shall not be violated, and no warrants shall issue, but upon probable cause, supported by oath or affirmation, and particularly describing the place to be searched, and the persons or things to be seized.

Amendment V

No person shall be held to answer for a capital, or otherwise infamous crime, unless on a presentment or indictment of a grand jury, except in cases, arising in the land or naval forces, or in the militia, when in actual service in time of war or public danger; nor shall any person be subject for the same offense to be twice put in jeopardy of life or limb; nor shall be compelled in any criminal case to be a witness against himself, nor be deprived of life, liberty, or property, without due process of law; nor shall private property be taken for public use, without just compensation.

Amendment VI

In all criminal prosecutions, the accused shall enjoy the right to a speedy and public trial, by an impartial jury of the state and district wherein the crime shall have been committed, which district shall have been previously ascertained by law, and to be informed of the nature and cause of the accusation; to be confronted with the witnesses against him; to have compulsory process for obtaining witnesses in his favor, and to have the assistance of counsel for his defense.

Amendment VII

In suits at common law, where the value in controversy shall exceed twenty dollars, the right of trial by jury shall be preserved, and no fact tried by a jury, shall be otherwise reexamined in any court of the United States, than according to the rules of the common law.

Amendment VIII

Excessive bail shall not be required, nor excessive fines imposed, nor cruel and unusual punishments inflicted.

Amendment IX

The enumeration in the Constitution, of certain rights, shall not be construed to deny or disparage others retained by the people.

Amendment X

The powers not delegated to the United States by the Constitution, nor prohibited by it to the states, are reserved to the states respectively, or to the people.

TYPE III PFDs: Commercial Marine SURVIVAL WITH THE FITTEST.®

2200 CAPTAIN'S VEST

Revere Part Number	63-2200-001-SM (Made in China) 63-2200-001-LX (Made in China) 63-2200-001-23 (Made in China)
Sizing	User Weight: More than 90 lbs. (>41 kg.) Small/Medium 32" – 39" (81cm.- 99cm.) Large/XLarge 40" – 50" (102cm.- 127cm.) XXL/XXXL 50" – 60" (127cm – 152cm.)
Approval	USCG Type III Approval # 160.064/4566/0 CFR 160.064 compliant Marine Buoyant Device - Flotation Aid
Buoyancy	15.5 lbs. (7 kg.) 69 Newtons
Product details	<ul style="list-style-type: none"> •Color: International Safety Orange •Foam: PE (Polyethylene) •Closure: Two 1 ½" encircling body belts and a heavy duty zipper •Reflective stripping (front & back) •Two Side Adjustments •Two gusseted pockets •One D-ring for gear attachment •Best combination of lightweight comfort and industrial utility



- Lightweight and durable mesh shoulders and back
- Contoured foam panels for ease of movement

2210 COMMANDER'S MESH VEST

Revere Part Number	63-2210-001-SM (S/M) 63-2210-001-LX (L/XL) 63-2210-001-23 (2XL/3XL)
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2230 ADMIRAL'S VEST

Revere Part Number	63-2230-001-SM (Made in China) 63-2230-001-LX (Made in China) 63-2230-001-23 (Made in China)
Sizing	User Weight: More than 90 lbs. (>41 kg.) Small/Medium 32" – 39" (81cm.- 99cm.) Large/XLarge 40" – 50" (102cm.- 127cm.) XXL/XXXL 50" – 60" (127cm – 152cm.)
Approval	USCG Type III Approval # 160.064/4566/0 CFR 160.064 compliant Marine Buoyant Device - Flotation Aid
Buoyancy	15.5 lbs. (7 kg.) 69 Newtons
Product details	<ul style="list-style-type: none"> •Color: International Safety Orange •Foam: PE (Polyethylene) •Closure: Two 1 ½" encircling belts and one 1 ½" chest strap and a heavy duty zipper •Reflective stripping (front & back) •Flotation-filled Comfort Collar •Two gusseted pockets •Two D-rings



- Best combination of lightweight comfort and industrial utility
- Lightweight and durable mesh shoulders and back
- Contoured foam panels for ease of movement

TYPE III PFDs: Commercial Marine

SURVIVAL WITH THE FITTEST.®

321RT4-01-03 Economy Industrial Vest with 4 pockets

Revere Part Number

63-321RT4-01-03 (Made in CHINA)

Sizing

Small/Medium
User Weight: More than 90 lbs. (>41 kg.)
Chest Size: 32"-42" chest (81 cm. to 107 cm)

Approval

USCG Type III
Approval # 160.064/3250/0
CFR 160.064 compliant
Marine Buoyant Device - Flotation Aid

Buoyancy

15.5 lbs. (7 kg.)
69 Newtons

Product details

- Economical Industrial Vest 4 gusseted front pockets
- Color: International Safety Orange Foam: PE (Polyethylene)
- Closure: Heavy duty Zipper SOLAS-grade reflective tape (33.75 sq. in.) in front panels and on pocket flaps
- Strength Tested at 50 mph (22.4 m/s)
- No body belts make it perfect for snag-hazard environments
- Large armholes and open sides
- Side adjustment tabs



321RT Economy Industrial Vest

Revere Part Number

63-321RT4-01-03 (Made in CHINA)

Sizing

Small/Medium
User Weight: More than 90 lbs. (>41 kg.)
Chest Size: 32"-42" chest (81 cm. to 107 cm)

Approval

USCG Type III
Approval # 160.064/3250/0
CFR 160.064 compliant
Marine Buoyant Device-Flotation Aid

Buoyancy

15.5 lbs. (7 kg.)
69 Newtons

Product details

- Economical Industrial Vest
- Color: International Safety Orange
- Foam: PE (Polyethylene)
- Closure: Heavy duty Zipper
- SOLAS-grade reflective tape (33.75 sq. in.) in front panels
- Strength Tested at 50 mph (22.4 m/s)
- No body belts make it perfect for snag-hazard environments
- Large armholes and open sides
- Side adjustment tabs



TYPE III PFDs: Commercial Marine

SURVIVAL WITH THE FITTEST.®

778RT GENERAL PURPOSE VEST

Revere Part Number	65-778RT-001-AM (Made in USA)
Sizing	Adult X-Large User Weight: More than 90 lbs. (>41 kg.) Chest Size: 48"-65" chest (122 cm. to 165 cm)
Approval	USCG Type III Approval # 160.064/3606/0
Buoyancy	15.5 lbs. (7 kg.) 69 Newtons
Product details	<ul style="list-style-type: none"> • General Purpose Industrial Vest • Color: International Safety Orange • Foam: PE (Polyethylene) • Closure: Two encircling 1 1/2" body belts and one 1" chest strap with snag resistant buckles • Reflective stripping (20 sq. in.) in front panels • 200 Denier polyester shell resists oil and deterioration • Large armholes and open sides for maximum comfort • Reflective stripping • Strength Tested at 50 mph (22.4 m/s)



REVERE COMMERCIAL INFLATABLE PFD

Revere Part Number	45-61018-105BK MANUAL BLACK 45-61018-105SO MANUAL ORANGE 45-61018-107BK MANUAL BLACK W/ FLAP 45-61018-107SO MANUAL ORANGE W/ FLAP (All models made in USA)	45-61019-105BK AUTO BLACK 45-61019-105SO AUTO SAFETY ORANGE 45-61019-107BK AUTO BLACK W/ FLAP 45-61019-107SO AUTO ORANGE W/ FLAP
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Approval	<ul style="list-style-type: none"> • Manual: USCG Approved Type V 160.076/3016/0 • Auto: USCG Approved Type V 160.076/2008/0
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Buoyancy	38 lbs. (169 Newtons)
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Product Details	<ul style="list-style-type: none"> • USCG approved for persons at least 16 years of age weighing 80 lbs. and above with a chest size between 30" and 52" • Dual waist belt stainless steel adjusters. Provides for easy adjustment with both hands and a more custom fit • Exterior inflation system access flap. Allows for clear, direct access to the CO2 cylinder for rearming. CO2 cylinder can be replaced without opening and unfolding the entire PFD • Waist strap and back strap attachment points fully connected and reinforced from inside for added strength • Heavy duty 420 denier nylon packcloth outer cover • Twin 2" wide back straps for comfort and security • Includes USCG compliant whistle and SOLAS Grade retro-reflective tape panels on inflatable bladder • OSHA Compliant
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CO2 Inflation System Detail (manual)



Orange without Harness

Black without Harness

TYPE V PFDs: Commercial Marine

SURVIVAL WITH THE FITTEST.®

280RT VINYL-DIPPED WORKVEST

Revere Part Number 65-280RT-001 (Made in China)
65-280RT-USA (Made in Mexico)

Sizing Adult Universal
User Weight: More than 90 lbs. (>41 kg.)
Chest Size: 32" to 54" (81 cm. to 137 cm)

Approval USCG Type V
Approval # 160.053/115/0

Buoyancy 17.5 lbs. (8 kg.)
78 Newtons

Product details

- Color: International Safety Orange
- Foam: Polyvinyl Chloride (PVC) Unicellular – Closed Cell
- Closure: Delrin Plastic Buckles
- One 1" encircling belt and one 1" chest strap
- SOLAS-grade reflective tape (17.5 sq. in.) located on front and rear pads
- Adjustable chest and shoulder straps
- Rugged and durable vinyl-dipped work vest for all industrial applications.

- Acrylic layer sealant over PVC coating resists deterioration and is easy to clean.
- Flotation foam retains buoyancy even when punctured.
- Open slot on back accommodates most safety harnesses.
- Contoured foam panels for greater range of movement
- USCG Approved/ OSHA compliant Adult Work-vest



Also Available 285RT VINYL-DIPPED WORKVEST
Revere Part Number 65-285RT-001 (Made in Mexico)

290RT RIGGER I

Revere Part Number 65-290RT-001 (Made in China)

Sizing Adult Universal
Chest Size: 32" to 54" (81 cm. to 137 cm)

Approval USCG Type V
Approval # 160.053/90/0
OSHA compliant Adult Work-vest

Buoyancy 17.5 lbs. (8 kg.)
78 Newtons

Product details

- Color: International Safety Orange
- Foam: PE (Polyethylene)
- Closure: One encircling adjustable belt (bottom) and one chest strap (top) with snag-resistant buckles
- Two adjustable shoulder straps
- SOLAS-grade reflective tape (23.6 sq. in.) located on front and rear pads.
- Soft cotton twill covering draws heat and sweat away from the worker
- Lightweight and economical work vests for a variety of industrial applications



TYPE I PFDs: Commercial Marine

SURVIVAL WITH THE FITTEST.®

160RT FERRY BOAT PFD

Revere Part Number	61-160RT-001 (Made in China) 61-160RT-USA (Made in USA)
Sizing	Adult Universal User Weight: More than 90 lbs. (>41 kg.)
Approval	USCG Type I Approval # 160.055/196/0
Buoyancy	22 lbs. (10 kg.) 98 Newtons
Product details	<ul style="list-style-type: none"> •Yoke-style flotation device •Color: International Safety Orange •Foam: PE (Polyethylene) •Closure: 1" Stainless Steel Snaphook & D-ring on a 1" encircling strap •110 square inches of SOLAS-grade reflective tape •Reversible design for quick donning •Weather and fade resistant polyester •Light loop and whistle attachment •Stackable for easy storage



198RT OFFSHORE PFD

Revere Part Number	61-198RT-001 (Made in China) 61-198RT-USA (Made in USA)
Sizing	Adult Universal User Weight: More than 90 lbs. (>41 kg.)
Approval	USCG Type I Approval # 160.055/153/0
Buoyancy	24 lbs. 107 Newtons
Product details	<ul style="list-style-type: none"> •Color: International Safety Orange •Foam: PE (Polyethylene) •Closure: 1" Stainless Steel Snaphook & D-ring •Two 1" Encircling straps and One 1" neck strap •126 square inches of SOLAS-grade reflective tape •Reversible Design •Weather and fade resistant polyester •Light loop and whistle attachment over shoulder



1600 BOMBER JACKET

Revere Part Number

23-1600-OR-S Orange Small
23-1600-OR-M Orange Medium
23-1600-OR-L Orange Large
23-1600-OR-XL Orange X-Large
23-1600-OR-2XL Orange 2X-Large
23-1600-OR-3XL Orange 3X-Large
(All models made in China)

23-1600-BL-S Blue Small
23-1600-BL-M Blue Medium
23-1600-BL-L Blue Large
23-1600-BL-XL Blue X-Large
23-1600-BL-2XL Blue 2X-Large
23-1600-BL-3XL Blue 3X-Large

Approval

USCG Approved
• Small: USCG Approval #: 160.064/0003825/0
• Medium: USCG Approval #: 160.064/0003826/0
• Large: USCG Approval #: 160.064/0003827/0
• X-Large: USCG Approval #: 160.064/0003828/0
• 2X-Large: USCG Approval #: 160.064/0003829/0
• 3X-Large: USCG Approval #: 160.064/0003830/0

Buoyancy

Product Details

- Waterproof Nylon to prevent Leaks
- Elastic at waist for warmth
- Waterproof Nylon prevents leaks
- Neoprene Adjustable cuffs
- Detachable Hood
- 5 exterior Pockets
- D-Ring



1650 TITAN FLOAT COAT

Revere Part Number

23-1650-OR-S Orange Small
23-1650-OR-M Orange Medium
23-1650-OR-L Orange Large
23-1650-OR-XL Orange X-Large
23-1650-OR-2XL Orange 2X-Large
23-1650-OR-3XL Orange 3X-Large
(All models made in China)

23-1650-BL-S Blue Small
23-1650-BL-M Blue Medium
23-1650-BL-L Blue Large
23-1650-BL-XL Blue X-Large
23-1650-BL-2XL Blue 2X-Large
23-1650-BL-3XL Blue 3X-Large

Approval

USCG Approved
• Small: USCG Approval #:
• Medium: USCG Approval #:
• Large: USCG Approval #:
• X-Large: USCG Approval #:
• 2X-Large: USCG Approval #:
• 3X-Large: USCG Approval #:

Buoyancy

Product Details

- Waterproof Nylon to prevent Leaks
- Elastic at waist for warmth
- Waterproof Nylon prevents leaks
- Neoprene Adjustable cuffs
- Detachable Hood
- 5 exterior Pockets
- D-Ring



RESCUE™ 406 EPIRB

The #1 selling EPIRB worldwide!

- U.S.C.G. & FCC approved
- Long life SIX YEAR battery (12 year useful life - from date of manufacture)
- Once activated operates up to 60 HOURS (48 hours minimum requirement)
- - 40°C Battery
- 121.5MHz homing signal up to 40 Mile range
- Rapidly transmits your location via satellite to rescue services
- Total global coverage via the COSPAS/SARSAT satellite SAR system
- Meets latest GMDSS and IMO regulations
- Built-in self-test and diagnostic check capabilities
- High intensity Xenon strobe
- One of the Smallest, lightest & most powerful 406 EPIRBs available Weight 1.6 lbs., Height 8.25
- Comes with its own mounting bracket making it easy to fit
- Available in Category 1 (Automatic) or Category 2 (Manual) deployment
- 5-year limited warrant



PRECISION™ 406 EPIRB WITH BUILT-IN GPS



The smallest, lightest, most powerful 406MHz GPS EPIRB on the face of the planet!

- U.S.C.G. & FCC approved
- Built-in 12 channel GPS receiver
- Transmits on the NEW clearer 406.028 MHz frequency
- Long life SIX YEAR battery (12 year useful life - from date of manufacture)
- Pinpoints global position to within 100 feet
- Updates accurate latitude/longitude position every 20 minutes
- Built-in self-test & diagnostic check capabilities
- Smallest, lightest & most powerful GPS EPIRB available. Weight 1.6 lbs., Height 8.25
- Once activated operates up to 60 hours (48 hours minimum requirement)
- Available in Category 1 (Automatic) or Category 2 (Manual) deployment
- 5-year limited

SART



- U.S.C.G. & FCC approved
- Approved to IEC 1097-1
- Small and lightweight
- Ship or survival craft applications
- 5-year long life user replaceable battery pack
- Maintenance free
- Audio/visual alarm
- Built-in test facility
- Mounting options - internal/external

BreaktHRU Hydro EPIRB KIT



- USCG & SOLAS approved
- Includes Hydro release and bolts

FASTFIND™ 406 PLB

The Fastfind standard 406MHz Personal Locator Beacon has all the features of the Fastfind Plus but without GPS. The 406MHz frequency provides an alert signal rescue services in as little as 45 minutes, depending on satellite passes and gives a positional accuracy within 3 miles. Once in the vicinity the 121.5MHz transmitter provides signal for the rescue services to home-in on enabling them to find the individual in distress.

- Waterproof to 15' and it floats
- FCC Approved
- Weighs just 11 oz.
- Global alert to Cospas-Sarsat satellites
- 406MHz transmitter
- 121.5MHz homing in frequency
- Response time in as little as 45 minutes

- Positional accuracy to within 3 miles
- Compact and stylish
- Complete with Kevlar lanyard and designer carry case
- User replaceable battery packs (-4°F or -40°F)
- User replaceable battery



FASTFIND PLUS™ 406 PLB with built-in GPS

The FastFind Plus is a revolutionary hand-held Personal Locator Beacon that features a built-in 12 channel GPS (Global Positioning System) receiver combined with a powerful 5 Watt 406MHz transmitter and 121.5MHz homing beacon transmitter. In the event of an emergency, an alert signal is transmitted to Cospas-Sarsat satellites and forwarded to a rescue coordination center within typically 3 minutes. The built-in GPS receiver will provide latitude and longitude coordinates to give a position typically within 98 feet anywhere in the world. The Fastfind Plus comes complete with lanyard and designer carrying case to enable users to keep the PLB safely with them at all times.

- FCC Approved
- Built-in GPS receiver
- Weighs just 11 oz.
- Global alert to Cospas-Sarsat satellites
- 406MHz transmitter
- 121.5MHz homing frequency
- Alert time within typically 3 minutes
- Positional accuracy to typically 98 feet
- Positional updates every 20 minutes

- Compact and stylish
- Complete with lanyard and designer carry case
- User replaceable battery packs (-4°F or -40°F)
- Waterproof to 15' and it floats



EMERGENCY RECEIVER

Features:

- 2 reception modes
- Dual frequency reception (121.5MHz emergency & 121.65MHz training)
- 8 level signal strength indicator
- Built-in alarm
- Auto squelch on/off
- Alarm reset function
- Relay contact output (I.E. GPS or contacts)
- Continuous self-diagnostic fault indicator
- 12/24 VDC power input



DIVE CANISTER

- Built to hold Fastfind and Fastfind Plus
- Waterproof to 492 feet
- Adds one pound positive buoyancy



RED HAND FLARE

- For day and night use to pinpoint position
- Visible over 5 miles
- Easy to operate even with cold, wet hands
- Award winning-pull twist-strike firing mechanism
- Burns for 60 seconds at 15,000 candela
- Approved to the latest SOLAS and U.S.C.G. specifications
- Weighs 9.70 oz. Dimensions - 9.44 x 1.34 (L x W)



PIN POINT HAND FLARE

- 20 times brighter than U.S.C.G. requirements
- Burns for 60 seconds at 10,000 candela
- For day and night use
- Visible over 5 miles
- Easy to operate, pull-twist strike firing mechanism
- High quality corrosive resistant steel tube, not cardboard casing
- Virtually no slag - safe to use in inflatable boats and liferafts
- U.S.C.G. approved Weighs 9.70 oz. Dimensions - 9.44 x 1.34 (L x W)



WHITE COLLISION HAND FLARE

- For collision warn-off situations
- Can be used to illuminate small areas
- Easy to operate even with cold hands
- Award winning pull-twist-strike firing mechanism
- Burns for 40 seconds at 10,000 candela
- Weighs 9.70 oz. Dimensions - 9.44 x 1.34 (L x W)



DAY/NIGHT

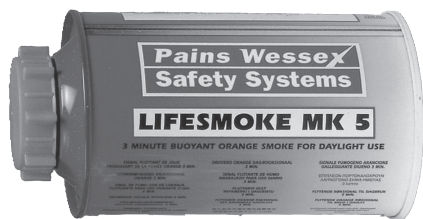
- Combined smoke and flare
- Personal survival signal
- For day and night use
- Ideal for divers
- Waterproof to 100 feet
- CAA/FAA accepted for aviation use
- Red flare burns for 20 seconds at 10,000 candela, smoke burns for 18 seconds minimum
- Weighs .98 oz. Dimensions - 5.47 x 1.67 (L x W)



MINIFLARE KIT

- Compact personal distress signal ideal for yachts and dinghies
- For day and night use
- Easy to operate
- Visible for up to 5 miles (increasing to 10 miles at night)
- 8 red aerial stars eject at 197 ft.
- Stars burn for 6 seconds at 3,000 candela
- FAA accepted for aviation use
- U.S.C.G. approved for marine use
- Weighs 9.48 oz. Dimensions - 5.91 x 2.61 x 7.40 (L x W x H)





- Buoyant orange smoke for daylight use
- Produces dense bright orange smoke for 3 minutes
- Safe to use on petrol or oil covered water
- Easy to operate
- Indicates wind speed and direction
- USCG & SOLAS approved
- Weighs 1.2 lbs, Dimensions - 5.9 x 3.2 dia.



PINPOINT ORANGE HAND SMOKE

- Daylight distress signaling
- Particularly suitable for recreational boaters
- Produces dense orange smoke for 60 seconds, minimum
- U.S.C.G. approved
- Weighs 7.58 oz Dimensions - 9.76 x 1.69 dia.

MANOVERBOARD 360



- Provides 15 minutes of dense orange smoke
- Far exceeds SOLAS requirements for light output and duration
- Safe to use on petrol or oil covered water
- Lithium battery sealed for life- no annual replacement
- Automatic or manual deployment
- Universal stainless steel mounting bracket
- Tested to survive a 164 ft drop into water (SOLAS 98 ft)
- Ideal for use on ships or rigs with high freeboard
- SOLAS approved
- Weighs 7.66 lbs. Dimensions - 13.39 x 17.13 (H x D)

BUOYSMOKE

- Provides 15 minutes of dense orange smoke
- Far exceeds SOLAS requirements for light output and duration
- Approved to the latest SOLAS standards
- Safe to use on petrol or oil covered water
- Universal stainless steel mounting bracket
- Tested to survive a 164 ft drop into water (SOLAS requirement is 98 ft)
- Ideal for use on ships or rigs with high freeboard
- Automatic or manual deployment
- High impact plastic and steel case designed to withstand exposure to UV rays, oil or sea water
- Registered Design No. 2 087 240
- U.S.C.G. approved
- Weighs 7.66 lbs. Dimensions - 13.39 x 17.13 (H x D)



PARA RED

- Long range parachute distress signal
- For day and night use
- Easy to operate
- Visible up to 30 miles
- Burns for 40 seconds at 30,000 candela at a height of 984 ft.
- Approved to latest U.S.C.G. and SOLAS specifications



SPEEDLINE 250

- For ship to ship and ship to shore rescue operations
- Self contained and handheld
- Powerful rocket propels a 4mm line up to 275m
- Designed for easy stowage onboard
- Approved to the latest SOLAS Specifications
- Weighs 8.6 lbs, Dimensions - 13.2 x 11.6 x 7.5



POLY BOTTLE

- Ideal for storing pyrotechnics
- 12 Liter container
- Heavy duty
- Buoyant
- Waterproof
- Wide mouth container
- Robust screw top
- Carry handle



SOS GRAB BAG

- Convenient way to hold your safety products and personal items.
- Will float and is splashproof
- Bright yellow for easy identification
- Size: 23.6 x 11.8 (H x W) Material: Polyurethane Nylon



SURVIVOR™ DITCH BAG

- Made of 100% waterproof PVC fabric
- 100% waterproof welded seams
- Single YKK water resistant zipper
- Internal pockets for pyrotechnics and other survival gear
- External pouch for EPIRB
- Over 40 lbs of buoyancy
- Size: 15.5 x 9.5 x 12 (L x D x H)



3-50 MILE



Contains:

- 3 - U.S.C.G. and SOLAS approved Red Hand Held Parachute Flares
- 6 - U.S.C.G. approved Red Hand Distress Flares
- 3 - U.S.C.G. approved Orange Hand Smoke Signals
- 1 - Water tight metal container



50+ MILE



Contains:

- 3 - U.S.C.G. and SOLAS approved Red Hand Held Parachute Flares
- 6 - U.S.C.G. and SOLAS approved Red Hand Distress Flares
- 3 - U.S.C.G. and SOLAS approved 3-minute Floating Orange Smoke Signals
- 1 - Water tight metal container



RORC



Contains:

- 4 - U.S.C.G. and SOLAS approved Red Hand Distress Flares
- 4 - U.S.C.G. and SOLAS approved Red Hand Held Parachute Flares
- 4 - White Collision Hand Flares
- 2 - U.S.C.G. and SOLAS approved 3-minute Floating Orange Smoke Signals
- 1- Poly Bottle



SHIP'S BRIDGE



Contains:

- 12 - U.S.C.G. and SOLAS approved Red Hand Held Parachute Flares
- 1- Poly Bottle



SHIP'S LIFEBOAT



Contains:

- 4 -U.S.C.G. and SOLAS approved Red Hand Held Parachute Flares
- 6 -U.S.C.G. and SOLAS approved Red Hand Distress Flares
- 2 - U.S.C.G. and SOLAS approved 3-minute Floating Orange Smoke Signals
- 1- Poly Bottle



OFFSHORE DISTRESS



Contains:

- 4 - U.S.C.G. and SOLAS approved Red Hand Distress Flares
- 4 - U.S.C.G. and SOLAS approved Red Hand Held Parachute Flares
- 2 - U.S.C.G. and SOLAS approved 3-Minute Floating Orange Smoke Signals
- 1- Poly Bottle



L6

- U.S.C.G. & SOLAS Approved
- Operating life exceeds 8 hours
- Flashes 50-70 times per minute
- Intense incandescent light visible for up to 2 miles in clear conditions
- Waterproof, corrosion and temperature resistant case
- Simple pull-ring operation even with gloved hands or in adverse conditions
- Easy to install on most types of lifejackets, saving labor costs
- Small size - 2.5 x 1.5 for easy stowage of lifejackets
- Weight: 2.5 oz
- Modern, aesthetically and ergonomically styled



WAB-MXB

- Dependable water-activated light works in both fresh water and seawater
- Fully approved to 1999 SOLAS amendments - IMO Resolution 81(70)
- USCG approval no. 161.112/36/0
- EC Type Approval and MED ("Ship's Wheel" mark) approval from Lloyd's Register
- Russian Maritime Register of Shipping approval no. 00.089.010
- Safe and environmentally friendly - magnesium-cuprous chloride battery



L120

- Meets SOLAS and IMO specifications
- Fit and forget for five years! - No annual replacement needed
- Remarkably cost-effective
- Tamper, impact and corrosion resistant design
- Incorporates lithium battery



L41



- Meets SOLAS and IMO specifications
- Tamper, impact and corrosion resistant design
- Designed specifically to be highly resistant to accidental damage onboard



DUAL LIGHT SAVER™

- Flashlight & Strobe Light on opposite sides
- Separate AA battery compartments for Flashlight (2) and Strobe (1)
- Waterproof to 330 feet
- Combined burn time (Strobe & Flashlight) up to 8 hours
- Comes with adjustable lanyard and velcro strap
- Light weight - 4 oz.
- Batteries not included



SIGNAL MIRROR LIFERAFT

- Specially treated and plated steel mirrors with high reflection
- Includes instruction card with soft wiping cloth packed in a heat sealed vapor proof barrier flexible pouch manufactured in accordance with military specification MIL-B-131F

- Includes a recessed hole for sighting
- U.S.C.G. Approval #160.020/2/2
- 1 mirror per set (liferaft type)



SIGNAL MIRROR LIFEBOAT

- Specially treated and plated steel mirrors with high reflection
- Includes instruction card with soft wiping cloth packed in a heat sealed vapor proof barrier flexible pouch manufactured in accordance with military specification MIL-B-131F

- Includes a recessed hole for sighting
- U.S.C.G. Approval #160.020/2/2
- 2 mirrors per set (lifeboat type)



FIRST AID KIT LIFERAFT

- Contains 14 packages
- Each package is individually packed in a heat sealed plastic bag
- All packages placed in a watertight zip lock reclosable plastic bag
- Zip lock bag tested by the Underwriters Laboratory for weathering and water tightness under adverse salt water conditions
- U.S.C.G. Approval #160.054/9/1



FIRST AID KIT LIFEBOAT

- Jackknife, can opener, and springs manufactured from high grade stainless steel to resist corrosion
- Lining made of brass
- Handles are extremely tough delrin plastic
- U.S.C.G. Approval #160.043/4/0



JACKKNIFE

- Jackknife, can opener, and springs manufactured from high grade stainless steel to resist corrosion
- Lining made of brass
- Handles are extremely tough delrin plastic
- U.S.C.G. Approval #160.043/4/0



FLOATING KNIFE

- Floating knife is 100% buoyant
- Razor sharp blade with dull rounded edge
- 48 lanyard attached
- Neon yellow handle



THERMAL PROTECTIVE AID

- Designed to keep people warm and protected against rain, wind and cold by preserving body heat
- U.S.C.G. and EU approved, meeting the latest SOLAS specifications
- Uses a strong superior laminate material which meets strict U.S.C.G. specs.
- All seams are heat welded seams (not sewn) which makes bag impermeable to water leakage
- Has a long zipper for easier donning
- Sized large enough to accommodate a person wearing a lifejacket
- U.S.C.G. Approval #160.174/A3/0



FISHING KIT

- Contains: Hooks, Lines, Flies, Spoons, Spinner, Fishing Instructions, etc.
- Packed in a vapor-proof barrier flexible pouch manufactured in accordance with Military Specification MIL-B-131F
- U.S.C.G. Approval #160.061/4/2



SEASICK TABLETS

- Packaged in individual cellophane strip packs
- 12 pills per strip pack
- Heat sealed with instructions in a plastic bag
- Each package individually dated as required by the US Food and Drug Administration



HAMMER H20

- Hydrostatic Release Unit fits liferafts of all shapes and sizes
- Made of glassfibre reinforced nylon preventing rust
- 2 Year usable life from date of installation



Jim Buoy's Man Overboard Light

- Toughest construction yet relatively small and lightweight.
- Made from injection molded plastic that is almost indestructible.
- Merely pick it up and point, it starts automatically.
- When thrown overboard, the light automatically commences to flash a bright flashing strobe light visible for miles.
- Not only a great aid for the searcher, but aids the person overboard to find a life ring or horse-shoe buoy.
- Features the most solid state circuitry available today to provide years of reliable service.
- Extensively tested to withstand 90 ft. drops into the ocean.
- Uses 4 alkaline "D" cell batteries available everywhere (batteries not included).
- Boxed individually in a 6 pack master carton, shipping weight: 13 lb.



Model #1820
Automatic water light

- Stainless steel mounting rack pictured with #1820 light.
- Ideal for handy light storage at a minimal cost.
- When ordered with light, packed together or sold as separate unit, 6 per carton, shipping weight: 6 lbs.



Jim-Buoy Lights! No. 9000, No. 9000-X and No. 9000-XSB

The all new Jim Buoy No. 9000 Light is a handy, long lasting lighting system that is totally waterproof and visible for up to 1 mile! It may be special ordered for almost all Jim Buoy Channel Markers, River Buoys, Mooring Buoys and Rope Floats and even retrofitted at a low cost (see details below). It requires little or no maintenance under normal use and its rugged plastic construction is impervious to the most severe weather conditions and saltwater corrosion. The batteries (2 Alkaline D-Cell, with exception to the white light which requires 3 D-Cell, not included) and bulb are even **GUARANTEED 1 FULL YEAR** from date of purchase to **NEVER** need replacement! An almost unbelievable accomplishment, but true!



Bright, Bright Lights No. 9000-X and No. 9000-XSB

IN ANSWER TO MANY REQUESTS - Jim Buoy is now providing the all-new No. 9000-X Series Light with three times the distance of visibility as that of the popular No. 9000 Light. The all-new Model No. 9000-X flashes 30 times per minute and lasts up to one year without a battery change. The Model No. 9000-XSB maintains a steady burn for up to 1-1/2 months of continuous battery use. Both models electronically shutoff during daylight hours and automatically turn on at darkness and are powered by 3 Alkaline "D" cell batteries (not included). They feature the same heavy-duty construction as Jim Buoy's Model No. 9000 Light (see above) utilizing an almost indestructible polycarbonate lens and are completely watertight and submersible.



RETROFIT ORDERING INFORMATION CHANNEL

MARKERS: Order 9000 Lite for 427. You will receive a 4-1/2" diameter disk. With the light foamed in place, remove the old disk (3 screws). Replace with the new disk containing the light.

All other Channel markers have a 4-3/8" diameter disk - specify disk size or Mode number and proceed as above.

MOORING BUOYS: Drill a 1-5/8" diameter hole, 5" deep near top eye - mix and pour the urethane foam as instructed, (included in the retrofit kit). You must now anchor at the bottom of the Mooring Buoy.

Note: Factory produced Mooring Buoys with lights will have an offset eye.

- COMMERCIAL FISHING - Long-Liner's, Crab Pots, Lobster Traps etc.
- Aquaculture Ponds- Amber preferred.
- MARINE INDUSTRY / BOATING - Buoys of almost all sizes and types, Barrier Systems, Rope Floats etc.
- HIGHWAY MAINTENANCE & SAFETY - Street Barricades, Traffic Cones, Bridges and Overpasses etc.
- HOME, FARM & AUTO - Roadway and Path Guide Lights, Garden Areas, Out-buildings, and Emergency, Flare/Signal Devices, etc.
- LANDING STRIP LIGHTS - Ideal for private and small commercial runways.



HOW IT WORKS - All functions are electronically controlled, remaining OFF during daylight and automatically turning ON at night. The bright, pulsating light flashes 40 milliseconds per flash and 30 flashes per minute and is visible for up to 1 mile. With its great longevity, convenient size and LOW cost, it is now possible to place lights in many areas that in past might have been impractical. Here's just a few ideas we have...

Life Rings

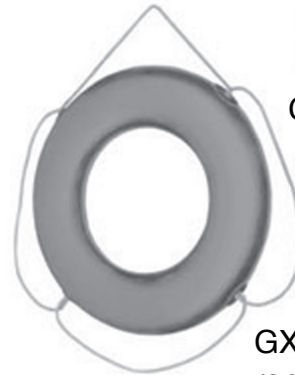
G Series

- Solid closed cell foam throughout
- Soft and resilient to the touch
- Resists weather and temperature extremes
- Will not rot or mildew
- Two styles available - with straps ("G" models) with ropes molded into core ("GX" models)

Model Number	Outside Diameter	Color	Pack Per Case	Weight Per Case (lbs.)	USCG Approval Number
GW-30	30"	White	6	33	160.050/107/1
GW-30	30"	Orange	6	33	160.050/107/1
GW-X-30	30"	White	6	33	160.050/104/1
GO-X-30	30"	Orange	6	33	160.050/107/1



G Style webbing straps



GX style with rope molded into core.

Hard Shell Series

- Features orange, rock hard, cross-linked polyethylene outer shell
- Molded-in rope holes
- Black 3/8" polypropylene rope can be easily replaced
- Will not rot or mildew
- Unaffected by harsh weather extremes
- Available in Solas and USCG approved models
- 30 inch diameter size only

Model Number	Outside Diameter	Color	Pack Per Case	Weight Per Case (lbs.)	USCG Approval Number
HS-30	30"	Orange	6	35	160.050/154/0
HSO-30	30"	Orange	6	35	160.050/155/0 160.150/11/0



JB Series (with beackets)



JBO-30 Orange Model

- Nylon vinyl skin
- Urethane foam core
- 6 per case
- Case weight - 33 lbs.
- 30 inch outside diameter
- USCG Approval Number 160.050/138/0

Model Number	Outside Diameter	Color	Pack Per Case	Weight Per Case (lbs.)	USCG Approval Number
JBSO-30	30"	Orange	6	35	160.050/135/0 160.150/6/0
JBSOH-30	30"	Orange	6	35	160.050/136/0 160.150/7/0

JB SOLAS Series

- JBSO-30 for general application
- JBSOH-30 (Approx. 9 lbs. or 4 kg.) for use with quick release for self-activated lights and smoke signals
- Vinyl coated nylon covered rigid urethane foam construction
- Case weight - 33 lbs.
- Rope nut makes rope changes easy

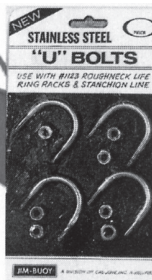


JIM-BUOY®

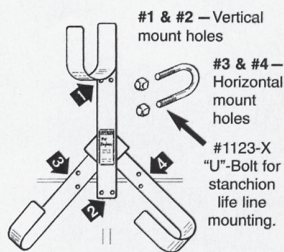
JIM-BUOY PREMIUM
LIFE RING RACK

The Roughneck

COMMERCIAL QUALITY—Features heavy-duty, welded stainless steel construction throughout for a life-time of maintenance-free use. Its rugged beauty will enhance any installation. Available in three standard sizes with pre-drilled holes for stanchion and life line mounting (see sketch), as well as cabin wall installations.



The ROUGHNECK offers both vertical and horizontal mounting!



#1123-20—20" dia., ship. wt. 4 lbs., 1/ctn.
#1123-24—24" dia., ship. wt. 10 lbs., 2/ctn.
#1123-30—30" dia., ship. wt. 14 lbs., 2/ctn.

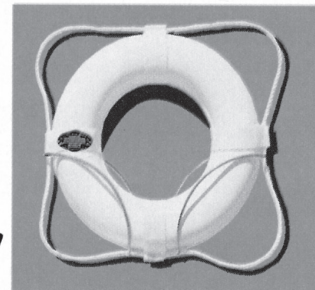
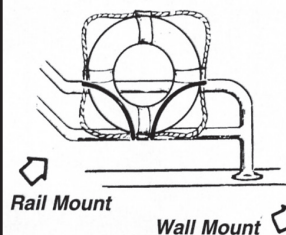
ORDER #1123-X STAINLESS STEEL "U"-BOLTS BELOW FOR STANCHION LINE MOUNTING:

Model #1123-X—Stainless steel U Bolts and nuts for stanchion and life line mounting. 4 per skin pkg. card, 10 per master ctn., ship. wt. 1 lb.

JIM-BUOY

Ring Buoy Hangers

ALWAYS READY IN AN EMERGENCY!



Jim Buoy's latest design in durable stainless steel

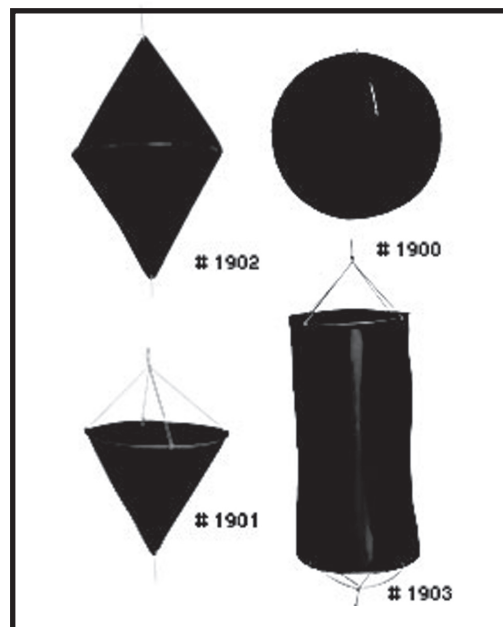
We believe these are the finest stainless steel ring buoy mounts available anywhere. Beautiful, graceful design adds permanent safety and stylish good looks to any ship. No wash away-easy access design. Readily mounts to safety rail, stanchion or cabin wall.

Model #804—12 pair per carton, shipping wt. 8 lbs.

Day Mark Signals

All units manufactured from heavy-duty vinyl coated nylon fabric with stainless steel or galvanized framing. Fully collapsible when stored. Simplicity of design offers rapid and rigid display when required.

- Model #1900 - Ball shape, 24" dia., 6/pack, ship. wt. 9 lbs.
- Model#1901 - Cone shape, 24" x 24", 6/pack, ship. wt. 9 lbs.
- Model#1902 - Double cone shape, 24" x 48", 6/pack, ship. wt. 9 lbs.
- Model#1903 - Cylinder shape, 24" x 48", 6/pack, ship. wt. 9 lbs.
- All models available in Black only.



BRAINTEASER

You have two hourglassesa 4-minute glass and a 7-minute glass. You want to measure 9 minutes. How do you do it?

Start both hourglasses. When the 4-minute glass runs out, turn it over (4 minutes have elapsed). When the 7-minute glass runs out, turn it over (7 minutes have elapsed). When the 4-minute glass runs out this time (8 minutes have now elapsed), the 7-minute glass has been running for 1 minute. Turn it over once again. When it stops, 9 minutes have elapsed.

ANSWER

Industrial Floats and Buoys

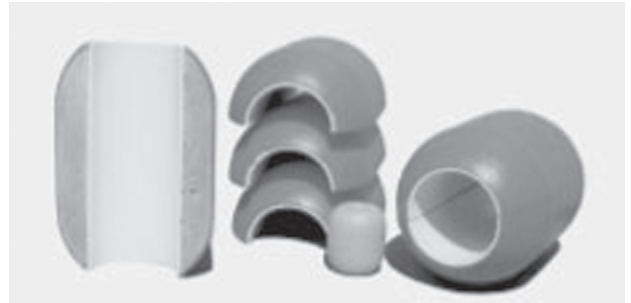
JIM-BUOY®



All models may be furnished with either stainless steel or hot-dipped galvanized steel in 1/2" to 1" diameter thru-holes or may be furnished with drop-forged swivels if required. They may also be ordered with PVC or steel tubing instead of eye and swivel hardware. All sizes are available in white or orange molded-in color. Please specify color and hardware requirement with order.

Model No.	Size Diam./Lgth	Buoyancy Approx.	Per Case Qty.	Ship Wt. (lbs.)
4418	12" x 18"	60 lbs.	1	10
429	18" x 30"	Orange	1	30
449	24" x 36"	White	1	42
445	24" x 45"	380 lbs.	1	60
548	30" x 48"	Orange	1	92

JIM BUOY'S TOUGHEST, MAINTENANCE-FREE CONSTRUCTION!
Jim Buoy's Industrial Floats and Buoys are a rugged, top quality product available in 6 sizes and suitable for a wide range of applications. They are currently being used in many parts of the world functioning as mooring buoys, rope floats and marker buoys. All models are rectangular in shape to permit conversion to split-hose floats to facilitate strapping the floats in place during use. Built for continuous duty and long life, the shell is constructed of HDP .060 - 180 thickness to withstand severe punishment and is bonded over high density USCG Approved grade polyurethane foam.



All of the above buoys are acceptable as Hose Floats - Simply cut in two to allow attachment without end entry. They may be fitted to any size hose.



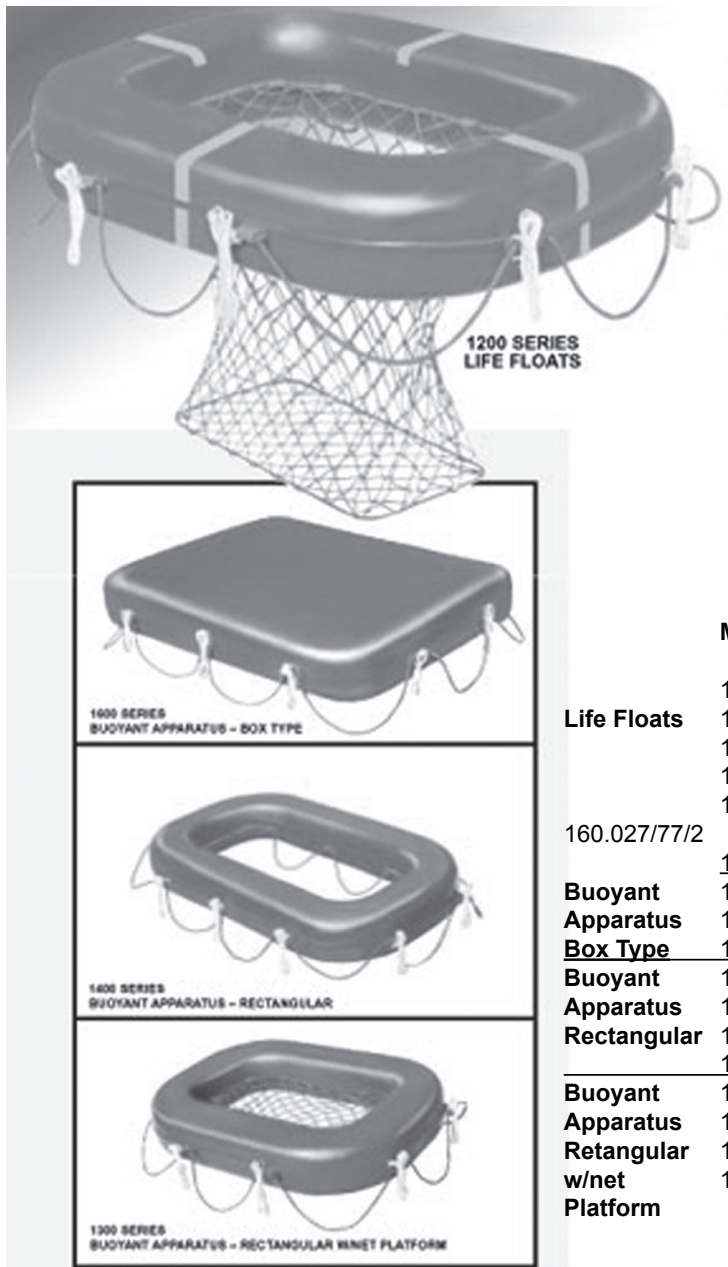
COMPLIES WITH U.S.C.G.
REQUIREMENTS EFF. 9/20/83
Contact your local U.S.C.G. office
for complete information

Float-Free Link, Painter Cage

Model #501 - Available in 6-10 man, 11-20 man and 21 or more man size. Each unit contains 1 stainless steel cage. 100 ft. of black 5/16" polypropylene rope (1,600 lb. test) and wire link. All wire links tagged to identify raft size it is legal for. Rope ends tagged as to their use. When ordering, specify sizes: 6-10 man, 11-20 man, or 21 or more man.

Model #504 - Fits any stack of four rafts or any stack which equals a capacity of 21 man or more. Each unit contains 1 stainless steel cage, 100 ft. of black 7/16" polypropylene rope (3,000 lb. test) and 1 wire link.

Model #501 - 12 per case, ship. wt. 38 lbs. UPS OK
Model #504 - 6 per case, ship. wt. 38 lbs. UPS OK



Life Floats and Buoyant Apparatuses, The World's Finest - U.S. Coast Guard Approved

- Tough resilient vinyl surface - easily boarded, comfortable in the water - no hard surfaces.
- Light weight yet easily exceed the most severe USCG tests. Ease of handling is one of our most valued features.
- No exposed metal hardware - all beackets secured inside the float body.
- Double webbing, sunlight or weather never reaches the supporting beackets.
- Solid closed-cell plastic throughout; bullet holes would have only minimal effect on buoyancy. Will not rot or mildew.

	Model	Person Cap.	App. Lnth	App. Wdth	Sec. Diam.	Ship Wt.	U.S.C.G. Approval No.
Life Floats	1206	6	50.5"	36.5"	8.5"	23	160.027/79/2
	1208	8	51"	37"	9"	25	160.027/75/2
	1210	10	63"	37"	9"	30	160.027/76/2
	1212	12	78"	37"	9"	38	160.027/80/2
	1215	15	64"	48"	12.5"	50	
	160.027/77/2						
Buoyant Apparatus Box Type	1222	22	100"	48"	12.5"	70	160.027/78/2
	1612	12	48"	48"	9"	35	160.010/70/2
	1618	18	62"	48"	9"	45	160.010/71/2
	1620	20	84"	48"	9"	55	160.010/72/2
	1410	10	51"	37"	9"	23	160.010/73/2
Buoyant Apparatus Rectangular	1412	12	63"	37"	9"	28	160.010/74/2
	1418	18	64"	48"	12.5"	48	160.010/75/2
	1422	22	100"	48"	12.5"	68	160.010/76/2
	1308	8	51"	37"	9"	23	160.010/77/2
	1310	10	63"	37"	9"	28	160.010/78/2
Buoyant Apparatus Rectangular w/net Platform	1315	15	64"	48"	12.5"	48	160.010/79/2
	1322	22	100"	48"	12.5"	68	160.010/80/2

BRAINTEASERS

- 1 If you were to put a coin into an empty bottle and then insert a cork into the neck, how could you remove the coin without taking out the cork or breaking the bottle?
- 2 What is the easiest way to throw a ball, and have it stop and completely reverse direction after traveling a short distance without hitting anything?
- 3 Two boxers are in a boxing match (regular boxing, not kick boxing). The fight is scheduled for 12 rounds but ends after 6 rounds, after one boxer knocks out the other boxer. Yet no man throws a punch. How is this possible?
- 4 I dig out tiny caves, and store gold and silver in them. I also build bridges of silver and make crowns of gold. Sooner or later everybody needs my help, yet many people are afraid to let me help them. Who am I?

- ANSWERS
- 1 Just push the cork into the bottle and shake the coin out.
 - 2 Throw the ball straight up.
 - 3 They're female boxers.
 - 4 A dentist.

USCG/SOLAS OCEANMASTER

Revere Part Number

50-R/R-4M-O - OceanMaster 4 Low Pro. (non-SOLAS)
 50-R/R-6M-A-L - OceanMaster 6 Low Profile
 50-R/R-6M-A-R - OceanMaster 6 Round
 50-R/R-8M-A-L - OceanMaster 8 Low Profile
 50-R/R-8M-A-R - OceanMaster 8 Round

50-R/R-10M-A - OceanMaster 10
 50-R/R-12M-A - OceanMaster 12
 50-R/R-16M-A - OceanMaster 16
 50-R/R-20M-A - OceanMaster 20
 50-R/R-25M-A - OceanMaster 25

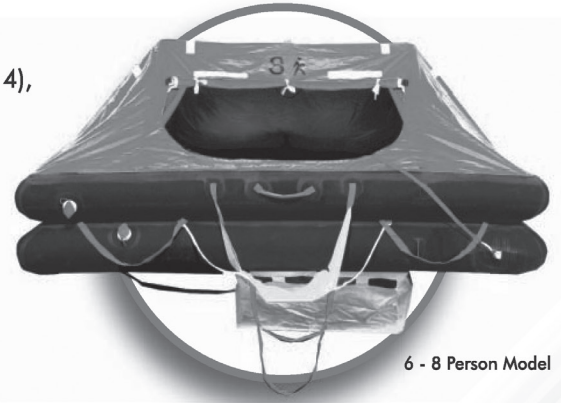
Features

- All Oceanmaster Liferrafts are A-Pack, SOLAS/USCG Approved (except for OceanMaster 4), and include cradle and hydrostatic releases.
- Oceanmaster Liferrafts are available in high-drop and davit-launched models.

SOLAS "A" PACK INCLUDES:

- | | |
|---------------------------------|----------------------------------|
| • 2 USCG/SOLAS Smoke Signals | • 1 Drinking Cup |
| • 6 USCG/SOLAS Hand Flares | • 36 Seasick Tablets |
| • 1 Bail bucket | • 1 Flashlight |
| • 2 Paddles | • 2 Extra batteries |
| • 1 Topping-Up Air Pump | • 1 Flashlight Bulb |
| • 1 Sea Anchor with SS swivel | • 1 Signal Mirror |
| • 1 Spare sea Anchor | • First Aid Kit |
| • 2 Sponges | • Fishing Kit |
| • 4 USCG/SOLAS Parachute Flares | • 1 Can Opener |
| • Repair Kit | • 6 Sea Sickness Bags |
| • Signal whistle | • Thermal Protective Aids |
| • 6 - 1000 Cal. Food Bars | • 1 Floating Knife |
| • 72 - 4.2 oz. water packs | • 1 Lock back knife |
| • 2 - 6" & 3" Repair clamps | • Survival Instructions |
| | • Throwing quoit w/ 100 ft. line |

SOLAS "B" PACK same as SOLAS "A" except no food or water and only half the number of flares and smoke signals.



6 - 8 Person Model



6 - 8 Person Model

Capacities/Dimensions

CAPACITY	ROUND CONTAINER DIMENSIONS(R)	LOW PROFILE DIMENSIONS(LP)	SOLAS A-PACK (WEIGHT)	SOLAS B-PACK (WEIGHT)
4	N/A	34 x 25 x 13.5	119	96
6*	50 x 21 x 19	38 x 26.5 x 16.5	162(LP), 166 (R)	131(LP), 135 (R)
8*	50 x 21 x 19	38 x 26.5 x 16.5	174(LP), 178 (R)	132(LP), 136 (R)
10	55 x 23 x 21	N/A	217	167
12	55 x 23 x 21	N/A	230	170
12DL	55 x 23 x 21	N/A	250	190
16	61 x 23 x 21	N/A	286	208
16DL	61 x 23 x 21	N/A	308	230
20	64 x 24.5 x 23	N/A	328	232
20DL	64 x 24.5 x 23	N/A	354	258
25	64 x 24.5 x 23	N/A	370	250
25DL	64 x 24.5 x 23	N/A	399	279

*Available in either container types.

UPC #: 50-R/R-25M-A-R
 50-R/R-20M-A-R
 50-R/R-16M-A-R
 50-R/R-12M-A-R
 50-R/R-10M-A-R
 50-R/R-8M-A-R

856347000643
 856347000629
 856347000605
 856347000582
 856347000568
 856347000520

50-R/R-8M-A-L
 50-R/R-6M-A-R
 50-R/R-6M-A-L
 50-R/R-4M-O

856347000537
 856347000483
 856347000490
 856347000476

USCG SEAMASTER

Revere Part Number

50-R/R-4M-C-L - SeaMaster 4 Container
 50-R/R-4M-C-V - SeaMaster 4 Valise
 50-R/R-6M-C-L - SeaMaster 6 Container
 50-R/R-6M-C-V - SeaMaster 6 Valise

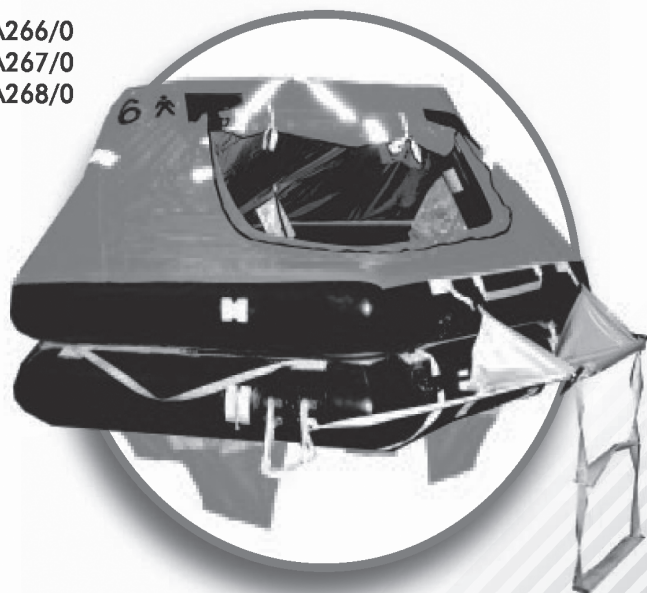
50-R/R-8M-C-L - SeaMaster 8 Container
 50-R/R-8M-C-V - SeaMaster 8 Valise

Features

- Seamaster 4 USCG Approval #160.051/A266/0
- Seamaster 6 USCG Approval #160.051/A267/0
- Seamaster 8 USCG Approval #160.051/A268/0
- Double buoyancy polyurathane chambers
- Welded seams
- Boarding Ramp

EQUIPMENT PACK INCLUDES:

- Water Sachets
- 2 Rubber Plugs
- 4 Person: 4
- 6 Person: 6
- 8 Person: 6
- 1 First Aid Kit
- Equipment Bag
- 1 Hand Pump
- 1 Repair Kit
- 1 Can opener
- 1 Bailer
- 1 tube of Anti-Seasick tablets
- 1 Torch
- 3 Leak stoppers
- 1 Graduated Cup
- 1 signals code card
- 2 Parachute Flares
- 3 Hand Flares



Capacities/Dimensions

CAPACITY	PACK TYPE	WEIGHT(LBS.)	PACKED DIMENSIONS L" x W" x H"	INFLATED DIMENSIONS (Square Feet)	FLOOR AREA
4	Container	80	34 x 20 x 11.5	79 x 44 x 69	16
4	Valise	69	31 x 18 x 13	79 x 44 x 69	16
6	Container	104	34 x 21 x 13.5	94 x 44 x 82	24
6	Valise	90	31 x 20 x 15	94 x 44 x 82	24
8	Container	106	34 x 21.5 x 13.5	108 x 48 x 93	32
8	Valise	92	31 x 20 x 15	108 x 48 x 93	32

UPC #: 50-R/R-4M-C-V 856347000575
 50-R/R-4M-C-L 856347000315
 50-R/R-6M-C-V 856347000322
 50-R/R-CM-C-L 856347000339
 50-R/R-8M-C-V 856347000346
 50-R/R-8M-C-L 856347000353

We are a Revere Commercial Liferaft Servicing Station

LIFE RAFT SERVICING & REPAIRS

Life rafts actually being serviced at our facility



Our company has Coast Guard and manufacturer certified technicians in house to perform service and repair of inflatable life rafts. The servicing facility has an average turnaround time of 48 hours or sooner for routine annual inspections. Annual inspections and various required test, as listed below, can all be done at our facility. In addition, we are able to make minor repairs to raft containers. Our commitment to you is to replace only those items that require replacement and to perform only those tests required by the factory. Repairs will be made in accordance with factory specifications. Each raft will be treated as if our own lives depend on the proper servicing and repair. Remember that proper servicing will help extend the life expectancy of your life raft.

Tests Performed

Gas Inflation
Necessary additional pressure
Floor seam test
Suspension Overload
Hydro and Refill
Refill only

Checklist of Dated Items:

Hand Flares – 3 years
Parachute Flare – 3 years
Signals, smoke – 3 years
Repair cement – 1 year
Batteries, flashlight – 1 yr
First Aid Kit
Food Rations – 5 years
Drinking water – 5 years

BRAINTEASERS

A train enters a tunnel at 7 o'clock. Another train enters the exact same tunnel, also at 7 o'clock, on the same day. The tunnel has only one track, no passing places, and no other means for the trains to pass, around, under, or over. However, both trains make it to the other end of the tunnel, untouched. How did they do it?

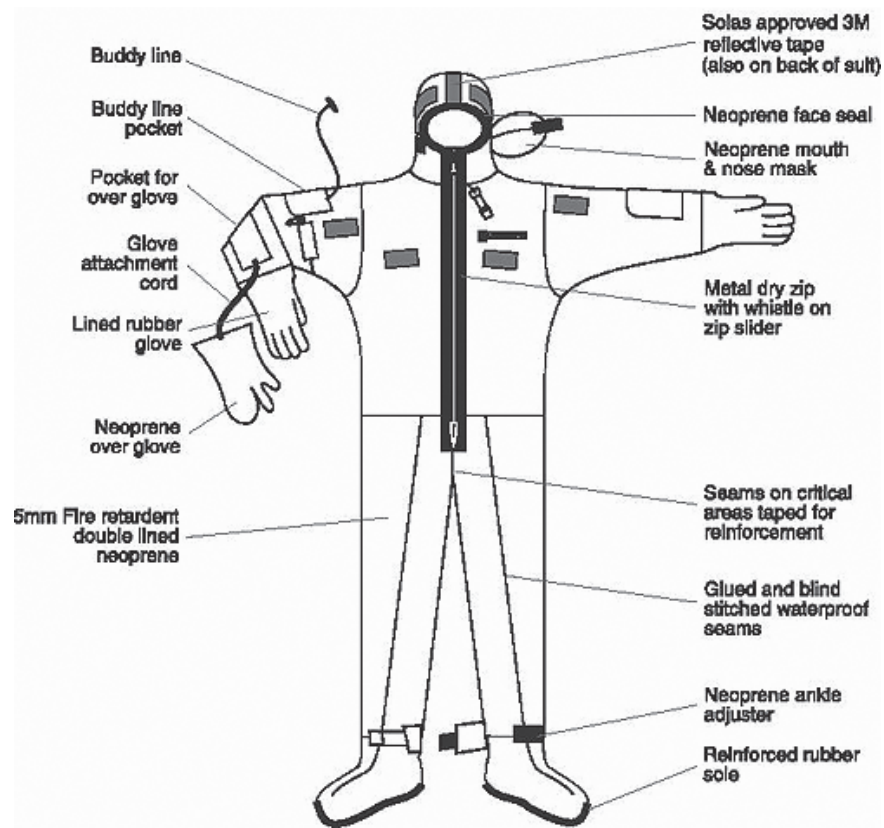
ANSWER

One train entered the tunnel at 7 a.m., the other entered at 7 p.m.

ThermoMax™

The Revere Survival Products ThermoMax™ Immersion Suit offers the ultimate solution to cold water survival. The ThermoMax™ is approved by the MCA (UK) to SOLAS requirements as an abandonment/immersion suit. It

is also approved to the relevant European standards and is CE marked. Manufactured from fire retardant 5mm neoprene, each suit is tested to ensure that it is watertight before leaving our factory. Each suit is supplied in its own bag printed with donning instructions. A separate instruction card is provided with each suit. An optional stop with stainless steel fittings can also be supplied. Three sizes are available, Small Adult, Universal Adult and Large.





Classic Flotation Bomber ★

MJ6214 T1

- Relaxed fit for mobility and comfort
- Full-length storm flap and an internal waist belt reduces ride-up
- Warm, fleece-lined front pockets
- SOLAS reflective tape on chest, sleeves & back
- Attachable hood can be purchased separately (MA7136 & MA7112)

SIZES: S - XXXL

APPROVAL: USCG TYPE III

COLORS: RED, NAVY, OLIVE,
ORANGE / BLACK



Coverall / Worksuit

Deluxe Anti-Exposure Coverall & Worksuit ★

MS2175

Our rugged worksuits are constructed of Mustang Airsoft® closed cell foam for greatest mobility. Provides protection from foul weather and offer emergency flotation and insulation in the event of accidental immersion.

- Insulated hood
- Velcro™ closures at wrists & ankles
- SOLAS reflective tape
- Neoprene wrist closures
- Inflatable Head Pillow
- Extra Chest Pockets
- Immersed Clo 0.420

SIZES: XS - XXXL

APPROVAL: USCG TYPE V WORKSUIT & TYPE II PFD WHEN WORN

COLORS: ORANGE, ORANGE / BLACK



IMMERSION SUITES ALSO AVAILABLE



Billy Pugh Co. Personnel Nets are manufactured under the ABS equipment type approval program. ABS certification can be requested at additional cost.

Specifications:

- API specification 2C Third Edition, March 1983, Section 5.4 (d). S.W.L. R250OLGS with design factor of 10.
- Lifting ring - 7/8" forged steel
- Hand spliced eyes (no swages)
- Safety load line (optional: add "DC" to model number)
- Stabilizer unit covered with plastic impregnated fabric
- Netting lines 3/4", 9950 lbs. test each
- Top ring 30" padded
- Bottom ring overall dimensions 72" with padding
- Padding is shock absorbing, synthetic flotation material
- 9 feet from bottom to top ring
- Four entrances to net
- Bottom of net - 5 rubber chafe pads
- ABS equipment type approval program
- Provides safe, sure transfer of personnel
- Tested and approved by safety engineers worldwide
- Used offshore by major oil producers
- Premium quality materials
- Recognized as safe transfer device
- Proven stabilizing system
- Collapsible design for easy storage
- All materials certified and approved
- American Bureau of Shipping (ABS)
- Certified on request

Accept no substitutes - there is a difference



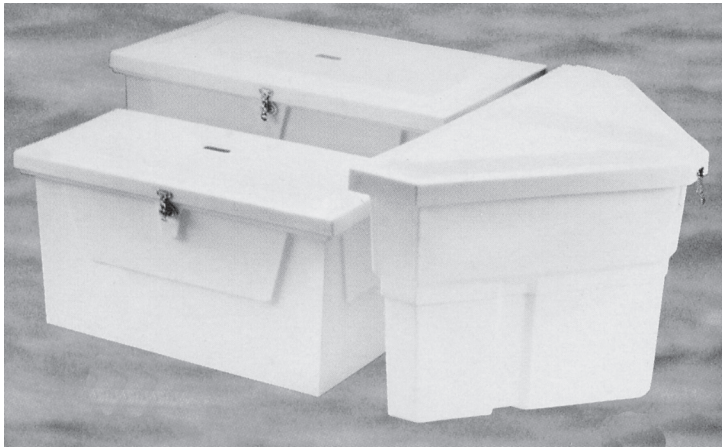
BRAINTEASERS

- 1 What belongs to you alone, but is mostly used by others?
- 2 Two French diplomats who have never seen each other meet at the French embassy in New York and decide to have a drink together in a nearby bar. Incidentally, one is the father of the other one's son. How is this possible?
- 3 You're at a cocktail party with your date. Strangely enough, there's something in the room that everybody can touch-and so can you, but only with your left hand. What is it?
- 4 What word is always spelled incorrectly?

4 | n-c-o-r-r-e-c-t-l-y.
3 Your right elbow.
2 The French diplomats are husband and wife, both blind from birth.
1 Your name.

ANSWERS

Dock Boxes

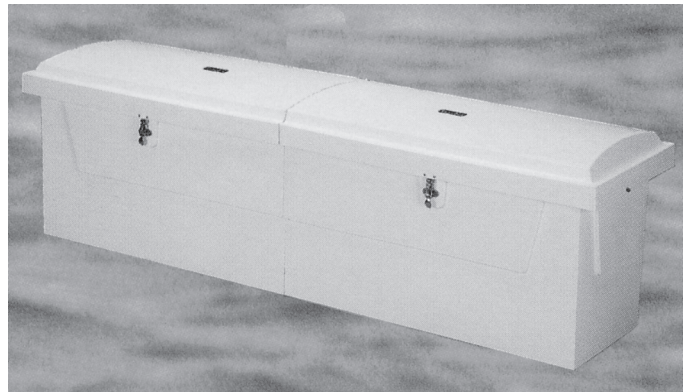


Medium Dock Box (92-1244)
Outside: 40"W, 19 5/8"D, 21 3/4"H;
Inside: 34 1/2"W, 15"D, 19 1/2"H
Large Dock Box (92-1245)
Outside: 46"W, 26"D, 27"H;
Inside: 39"W, 20"D, 24 1/2"H
Triangular Dock Box (92-1246)
Outside: 48 1/2"W, 26"D, 27 1/2"H;
Inside: 40"W, 20"D, 26 3/4"H

TODD Dock Boxes

Molded of rugged UV stabilized white polyethylene that resists corrosion from salt water, fuel, oil and add. Includes stainless steel hardware with a latch that will accept a padlock. All Todd Dock Boxes can be shipped via UPS. Some assembly required.

Available in four sizes:



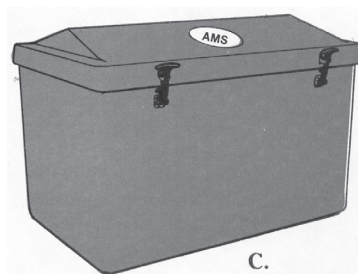
6' Dock Box (94-1247) comes in 2 sections shipped in one box.

Outside: 76"W, 19 5/8"D, 22 3/4"H;

Inside: 72"W, 18"D, 19"H

Life Jacket Storage Boxes

Fiberglass construction, international orange (blue interior), stainless steel hinge, brass safety chain on lid, stainless steel and rubber "T" latches. (Other colors available on request.)



Dimensions <small>(In Inches)</small>						
	CAPACITY	DEPTH	X	WIDTH	X	HEIGHT
A.	5	24	x	22	x	28
B.	10	24	x	20	x	36
C.	15	40	x	24	x	24
D.	25	40	x	25	x	36

BRAINTEASER

You threw away the outside and cooked the inside. Then you ate the outside and threw away the inside.

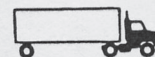
What did you eat?

ANSWER
An ear of corn.

FIBERGLASS DOCK BOXES

Follansbee™ Fiberglass Dock Boxes are manufactured from heavy duty, high density, white fiberglass laminate for added rigidity. All boxes have a 20-mil layer of gel-coat protection for durability and long lasting beauty. The smooth, glass-like, gel-coated outer finish and tinted interior combine to make a clean, great looking Dock Box. The extra-tough sandwich core lid construction, unlike the weaker plastic models, allow safe, adult seating. We use only the finest marine grade hardware including front mounted hasps that incorporate locking rings. Optional hydraulic lifts are available on some models. Dock Box codes ending in "T" must be shipped via common carrier.

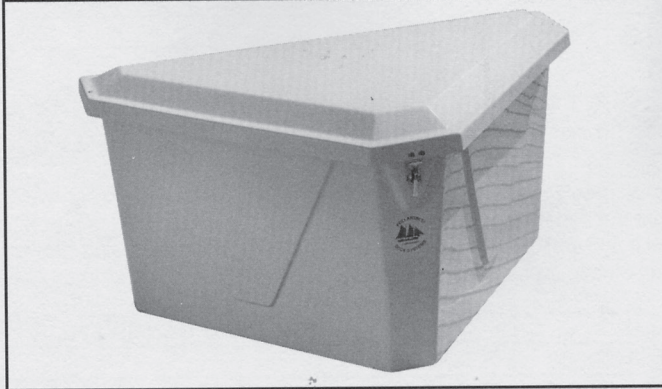
For more information phone toll-free 1-800-223-3444.



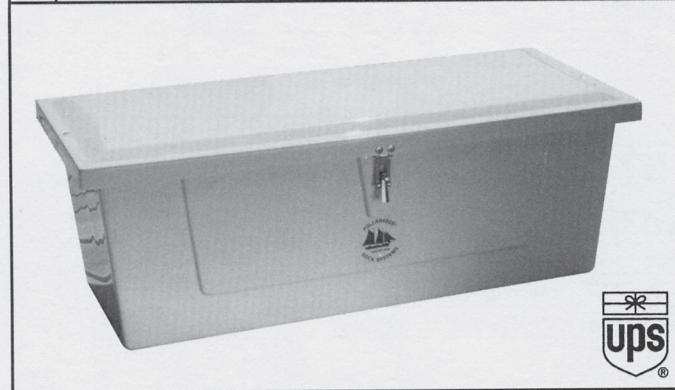
1. FDB-32 39 1/2" x 19 1/4" x 21 1/2" 55#



4. FDB-43T 54 1/2" x 32 1/2" x 29 1/2" 77#



2. FDB-41 48" x 20" x 18" 52#



5. FDB-50T 50" x 28 1/2" x 28 1/2" 158#



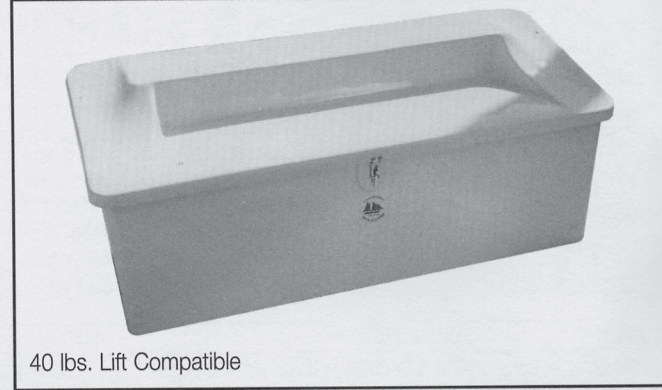
40 lbs. Lift Compatible

3. FDB-42T 44 1/4" x 26 1/2" x 27 1/2" 65#



28 lbs. Lift Compatible

6. FDB-60T 72" x 29" x 29" 156#



40 lbs. Lift Compatible

FOLLANSBEE® – *For All Your Docking Needs*

BRAINTEASER

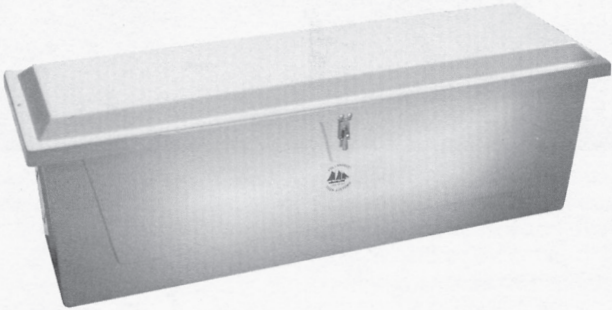
In 1990 a person is 15 years old. In 1995 that same person is 10 years old.

How is this possible?

The dates are 1990 B.C. and 1995 B.C.

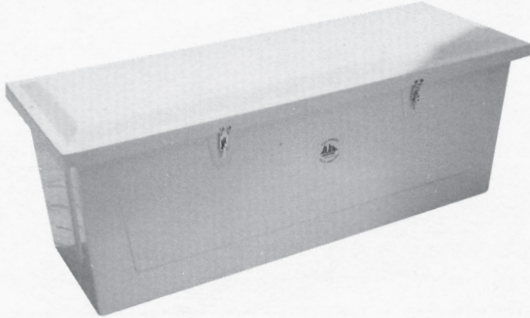
ANSWER

7.	FDB-62T	71" x 22" x 24 1/4"	87#
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24 lbs. Lift Compatible

8.	FDB-70T	72" x 26 1/2" x 27 1/2"	108#
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40 lbs. Lift Compatible

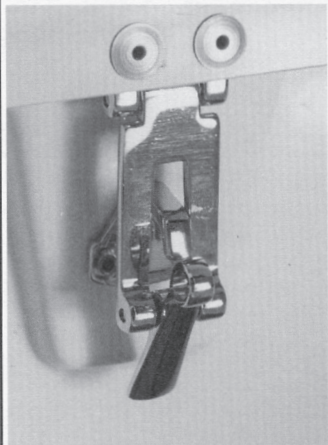

9.	FDB-71T	85" x 20" x 18"	80#
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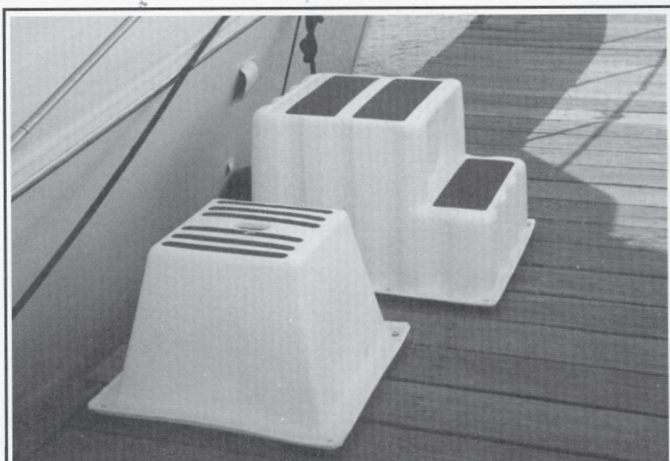
24 lbs. Lift Compatible

BRAINTEASER
 If 2 hours ago it was as long after 1 o'clock in the afternoon as it was before 1 o'clock in the morning, what time is it now?

ANSWER
 Nine o'clock. Since there are 12 hours between the two times, and half of that time is six, then the halfway mark would have to be 7 o'clock. If it were 7 o'clock, two hours ago, the time would now be 9 o'clock.

FDB-FMH	HASP	FDB-HL24	24 LB. LIFT	2#
		FDB-HL40	40 LB. LIFT	2#
				
SELECTED MODELS				

CODE	WT/LBS.	SHIP VIA
FDB-32	55	UPS
FDB-41	52	UPS
FDB-42T	65	TRUCK ONLY
FDB-43T	77	TRUCK ONLY
FDB-50T	158	TRUCK ONLY
FDB-60T	156	TRUCK ONLY
FDB-62T	87	TRUCK ONLY
FDB-70T	108	TRUCK ONLY
FDB-71T	80	TRUCK ONLY
PBS-1	10	UPS
PBS-2	20	UPS



Getting in and out of your boat has never been easier. These heavy duty, high density, high molecular weight, white polyethylene boarding steps provide safe and stable access to your boat. The non-skid strips on the surface and rubber bumpers on the bottom insure positive gripping and stability.

CODE	DESCRIPTION	WT/LBS.
PBS-1	SINGLE STEP 24" L x 24" W x 15 1/2" H	10
PBS-2	TWO STEP 32" L x 26" W x 20" H	20



ABC MULTI-PURPOSE STORED PRESSURE FIRE EXTINGUISHERS



- **IDEAL USES:** Homes, office buildings, warehouses, farms and woodworking areas. (NOTE - Not recommended for use on expensive delicate equipment or computers.)
- **MONOAMMONIUM PHOSPHATE** based dry chemical agent capable of fighting Class "A," "B" and "C" type fires.
- This agent provides the widest and most practical range of extinguisher fire protection coverage.
- Manufactured to ANSI/UL 299 and ANSI/UL 711 Standards.

SPECIFICATIONS	100PSI/690 kPa OPERATING PRESSURE				195PSI/1340 kPa OPERATING PRESSURE					
SIZE/MODEL	2.5 ABC	2.5 ABC V/B	4 ABC	4 ABC V/B	5 ABC	5 ABC V/B	10 ABC TALL	10 ABC SHORT	20 ABC	30 ABC
Part No. Alum. Valve	10315	13315	10705	13705	10914	25614	11340	11310	12120	—
Part No. Brass Valve	—	—	—	—	10915	25615	11341	—	12121	12905
Capacity (lbs./kg)	2½ • 1.13	2½ • 1.13	4 • 1.81	4 • 1.81	5 • 2.27	5 • 2.27	10 • 4.54	10 • 4.54	20 • 9.07	30 • 13.60
U.L. Rating	1A:10B:C	1A:10B:C	2A:10B:C	2A:10B:C	3A:40B:C	3A:40B:C	4A:80B:C	4A:60B:C	20A:120B:C	20A:160B:C
Ship Wt. Alum. Valve (lbs./kg)	5¼ • 2.38	5½ • 2.49	6½ • 2.9	6¾ • 3.1	9½ • 4.3	9¾ • 4.4	17¾ • 8.1	17¾ • 8.1	33 • 15.0	—
Ship Wt. Brass Valve (lbs./kg)	—	—	—	—	10.4.5	10¼ • 4.7	18¼ • 8.3	—	33½ • 15.2	52¼ • 23.7
Height (in./cm)	14¾ • 37.5	14¾ • 37.5	16½ • 41.9	16½ • 41.9	16¾ • 41.6	16¾ • 41.6	21 • 53.3	16¾ • 42.5	21¾ • 53.8	27¾ • 69.4
Width (in./cm)	4⅞ • 12.4	4⅞ • 12.4	6¼ • 15.9	6¼ • 15.9	7¼ • 18.4	7¼ • 18.4	7¾ • 19.7	8¼ • 21.0	8¼ • 22.2	8¼ • 22.2
Diameter (in./cm)	3⅞ • 8.6	3⅞ • 8.6	3½ • 8.9	3½ • 8.9	4¼ • 10.8	4¼ • 10.8	5⅞ • 13.0	6 • 15.2	7½ • 19.1	7½ • 19.1
Bracket	Wall	Veh/Mar	Wall	Veh/Mar	Wall	Veh/Mar	Wall	Wall	Wall	Wall
Range (feet/meters)	9-15 • 2.7-4.6	9-15 • 2.7-4.6	9-15 • 2.7-4.6	9-15 • 2.7-4.6	12-18 • 3.7-5.5	12-18 • 3.7-5.5	15-21 • 4.6-6.4	15-21 • 4.6-6.4	15-21 • 4.6-6.4	25-30 • 7.6-9.1
Discharge Times (seconds)	9	9	14	14	14	14	22	18	26	32
Cylinder	Steel	Steel	Aluminum	Aluminum	Steel	Steel	Steel	Steel	Steel	Steel
USCG Approved – Yes	Type B:C Size I				Type A Size II Type B:C Size I		Type A Size II Type B:C Size II		Type A Size II Type B:C Size III	Type A Size II Type B:C Size IV

CARBON DIOXIDE STORED PRESSURE FIRE EXTINGUISHERS

SPECIFICATIONS	PORTABLE UNITS			
SIZE/MODEL	5CD	10CD	15CD	20CD
PART NO. ALUM. VALVE	45100	45600	46100	46600
VALVE	CHROME PLATED BRASS			
CAPACITY lbs./kg)	5 • 2.27	10 • 4.54	15 • 6.80	20 • 9.07
U.L. Rating	5B:C	10B:C	10B:C	10B:C
Cylinder	ALUMINUM			
Ship wt. (lbs./kg)	13¾ • 6.3	27¾ • 12.6	37¾ • 17.1	49 • 22.2
Height (in./cm)	17¾ • 44.1	19¾ • 50.2	26¾ • 67.0	26¾ • 68.2
Width (in./cm)	8¼ • 21.0	12 • 30.5	12 • 30.5	13 • 33.0
Diameter (in./cm)	5¼ • 13.3	6½ • 17.6	6¾ • 17.5	8 • 20.3
Bracket	Wall	Wall	Wall	Wall
Range (feet/meters)	4-8/1.2-2.4	4-8/1.2-2.4	4-8/1.2-2.4	4-8/1.2-2.4
Discharge time (seconds)	8	10	15	20
USCG Approved	Type B:C Size I		Type B:C Size II	



- **Carbon Dioxide**, a gaseous agent for class B and C fires.
- **Ideal Uses:** Chemical and manufacturing plants, oil rigs, rail yards, warehouses, construction sites, parking garages, airport ramps, boat docks and large laboratories.
- Manufactured to ANSI/UL 154 and ANSI/UL 711 standards.

COAST GUARD SHIPBOARD VARI-NOZZLES

A combination fog and straight stream nozzle designed for more efficiency with AFFF or water on board ships.

- Brass construction
- Low friction ball and dual seats for smoother operation
- Double row of molded teeth
- Rubber-like bumper and handle
- Constant gallonage in all fog and straight stream patterns
- Flush without shutting down
- 95 gpm (360 lpm) only

3020 1 1/2" Shipboard Vari-Nozzle with Pistol Grip

- 1 1/2" NH thread only
- Approval no. 162.027/15/0

3022 1 1/2" Shipboard Vari-Nozzle

- 1 1/2" NH thread only
- Approval no. 162.027/16/0

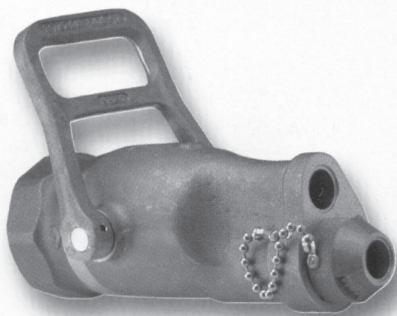
COAST GUARD NOZZLES WITH FOG TIPS

2032 1 1/2" CG-15 Nozzle

- 1 1/2" NH thread only
- Approval no. 162.027/09/0 for nozzle and Style 2415 or 2015 Applicator
- Includes Style 2033 1 1/2" Fog Tip with Chain

2046 2 1/2" CG-25 Nozzle

- 2 1/2" NH thread only
- Approval No. 162.027/10/0 for nozzle and Style 2225 2 1/2" x 12' applicator
- Includes Style 2047 2 1/2" Fog Tip with Chain



STYLE 2046

Including Style 2047 Fog Tip and Chain.

COAST GUARD FOG TIPS

2033 1 1/2" Fog Tip with Chain

- Fits Style 2032 1 1/2" CG-15 Nozzle

2047 2 1/2" Fog Tip with Chain

- Fits Style 2046 2 1/2" CG-25 Nozzle

COAST GUARD APPLICATORS WITH FOG HEADS

Applicators with stainless steel tubing to Coast Guard specifications. Improved head and end connectors for increased strength and durability.

2415 1 1/2" Applicator

- 4' long, 60° bend
- Approval No. 162.027/09/0
- Includes Style 1034 Fog Head

2015 1 1/2" Applicator

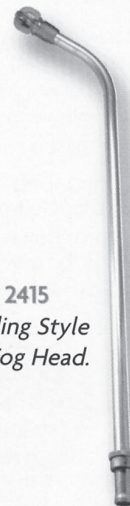
- 10' long, 90° bend
- Approval No. 162.027/09/0
- Includes Style 1034 Fog Head

2225 2 1/2" Applicator

- 2 1/2", 90° bend
- 3 lengths available: 6', 10', & 12'
- Approval No. 162.027/10/0 (12' only)
- Includes Style 1048 Fog Head

STYLE 2415

Including Style 1034 Fog Head.



COAST GUARD FOG HEADS

1034 1 1/2" Fog Head

- Fits Style 2415 and 2015 Applicators

1048 2 1/2" Fog Head

- Fits Style 2225 Applicator and Style 2055 Fog Applicator



STYLE 3022

COAST GUARD NOZZLES

STYLE	LENGTH	WEIGHT LBS.	INLET SIZE	STRAIGHT STREAM ORIFICE	FOG HEAD/ TIP	BEND	FLOW	
							GPM	LPM
2015	10'	9 1/4	1 1/2"	-	1034	90°	54	204
2032	10 1/4"	9	1 1/2"	5/8"	2033	-	* 55	* 208
2046	11 1/2"	14 1/2	2 1/2"	15/16"	2047	-	* 106	* 401
2225	6', 10', 12'	† 15 3/4	2 1/2"	-	1048	90°	108	408
2415	4'	5	1 1/2"	-	1034	60°	54	204
3020	8 5/8"	7 3/4	1 1/2"	-	-	-	95	360
3022	8 5/8"	7 1/8	1 1/2"	-	-	-	95	360

* Fog flow only, † 12' length

BRAINTEASER

The person who made it had no use for it; the person who bought it didn't want it; and the one who finally ended up with it, never even knew about it. What was it?

ANSWER
A coffin.

MASTER STREAM NOZZLES

"HOMBRE" FEATURES

- Combination fog and straight stream.
- Aluminum or red brass castings.
- Twist shut-off on 500A/500B
- Zerk fitting for lubrication.
- Ideal for both municipal and industrial applications.



#500A

#500B

The "HOMBRE" Master Stream series combination fog/straight stream nozzles were designed for use with deck pipes and station monitors.

Bodies are available in heavy aluminum or brass castings for rugged use in caustic or salt water environments.

Precision machining insures ease of operation while changing patterns at all pressure ranges. Patterns range from a strong impinging straight stream for greater distance and maximum effective reach to a full 180° fog curtain.

Standard features include a zerk fitting for field lubrication to increase service life, and a complete twist shutoff, on the 500A & 500B styles.

350 OR 500 GPM

#500A Cast aluminum body with 6061-T6 aluminum deflector, and Delrin deflector seat for shutoff. A heavy rugged casting built for a long service life - available in 350 or 500 GPM settings. Gray hard anodized finish.

#500B Cast brass body with brass deflector and Delrin deflector seat. Same performance features as the 500A.

#500B-CP Optional polished and chrome plated finish. Same performance features as 500A and 500B.

#500 A/B-T Optional "teeth" for the 500A and 500B.

1000 GPM

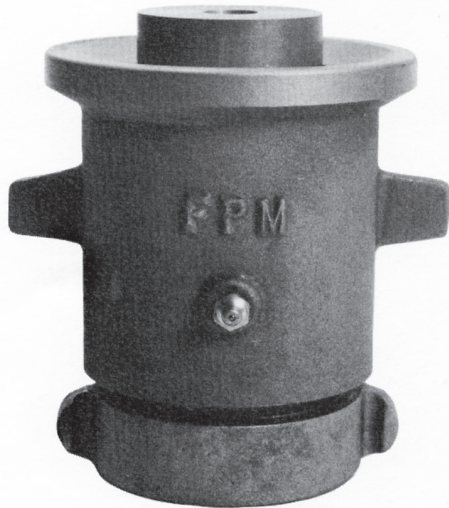
1000A Cast aluminum body with aluminum deflector. A heavy rugged casting for a long service life, preset at 1000 GPM with optional 500, 750 and 1250 GPM flows. Featuring a straight stream to fog "quick throw" pattern change, constant flow.

1000B Cast brass body with same options and performance features as the 1000A.

1000B-CP Optional polished and chrome plate finish. Same performance features as 1000A and B.

2000 GPM

FP2000 2000-GPM fog nozzle with 4" NH base that can also be pre-set at 1500, 1750 or 2500 GPM. Cast aluminum w/gray hard anodized finish. Also auxiliary cast brass body.



1000ACG

1000BCG

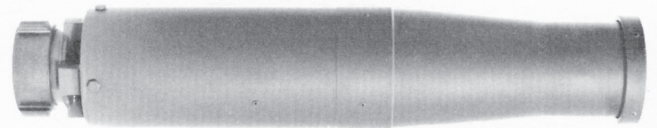
STYLE #	SIZE/THREAD	FLOW/G.P.M.	MATERIAL/FINISH	LENGTH	WEIGHT
500A	2 1/2" N.H.	350 or 500	Aluminum/hard anodized	6 1/2"	4 1/2 lbs.
500B	2 1/2" N.H.	350 or 500	Brass/cast	6 1/2"	9 lbs.
1000ACG	2 1/2" N.H.	500-750-1000-1250	Aluminum/hard anodized	6 3/4"	4 1/2 lbs.
1000BCG	2 1/2" N.H.	500-750 1000-1250	Brass/cast	6 3/4"	9 lbs.
FP2000	4" N.H.	1500-1750-2000-2500	Aluminum or Brass	7"	11 lbs.

FOAM SHAPER TUBES STRAIGHT BORE & STACKED TIPS

Aspirating Foam Shaper Tubes designed for monitor use.

Inlet base and "jaws" machined from aluminum castings, with a aluminum tubular body. Preset at 500 GPM, can be specified to flow from 250 GPM - 800 GPM at various pressures.

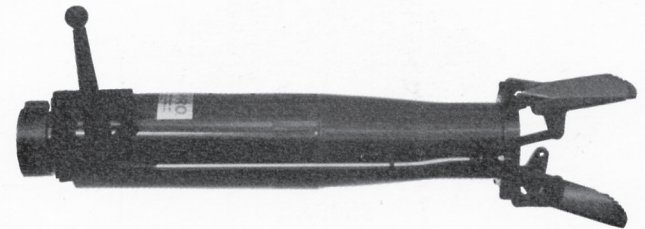
Equipped with 2 1/2" N.H. aluminum swivel inlet with gray hard anodized finish. Red epoxy finish inside and out with stainless steel threaded rod for jaws linkage control.



FPFS-500M

FPFS-500M - "MINI," 25" length aspirating foam shaper tube with aluminum body and reinforced discharge ring, complete with inner flow water tube shaper and aeration screens. Preset at 500 GPM, can accommodate flow ranges and various pressure ranges to flow from 250 GPM up to 800 GPM.

FPFS-500MJ - "MINI," 31" length with "jaws" and adjustable linkage for pattern control. Same features and flow ranges as the FPFS-500M.



FPFS-500MJ

FPFS-500S - "Standard," 38" length for longer distance requirements - same flow/pressure ranges as the FPFS-500M.

FPFS-500SJ - "Standard," 44" length with "jaws" and adjustable linkage for pattern control. Same performance features as the FPFS-500S.

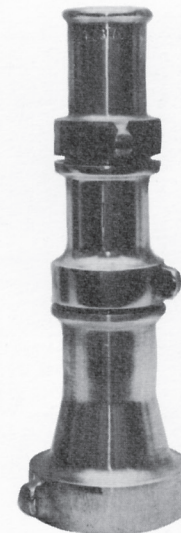
Straight bore and stacked tips - cast brass both polished and chrome plate finish for use on monitors - fixed, portable and elevated. Ideal for higher flow ranges and where greater distances are required.

#3200 - Cast brass polished straight bore tip with 2 1/2" NH female base and 1" discharge bore.

#3210 - Polished brass straight bore tip with 2 1/2" NH female base and 1 1/2" discharge bore.

#3220 - Chrome plate stacked tip with 2 1/2" NH female base by 1 3/4" x 1 1/2" x 1 3/8".

#3230 - Chrome plate stacked tip with 2 1/2" NH female base by 2" x 1 3/4" x 1 1/2".



**3220
3230**

STYLE #	BASE SIZE	TIP FLOW/GPM	LENGTH	WEIGHT/LBS.
FPFS-500M	2 1/2"	250 - 800	25"	6
FPFS-500MJ	2 1/2"	" "	31"	7
FPFS-500S	2 1/2"	" "	38"	7 1/2"
FPFS-500SJ	2 1/2"	" "	44"	8 1/2"
#3200	2 1/2" - 1"	300	10"	4
#3210	2 1/2" - 1 1/2"	650	10"	4
#3220	2 1/2 x 1 3/8 x 1 1/2 x 1 3/4"	750	11"	8
#3230	2 1/2 x 1 1/2 x 1 3/4 x 2"	1000	14"	8

STATION MONITORS

1 1/2" & 2 1/2" WATERWAY

125/350 GPM - 1 1/2" MONITOR

FP1-125 - 1 1/2" ASA 150# raised face flange with full flow 1 1/2" waterway. Built w/standard long radius weld fittings w/1 1/2" NH stainless steel discharge thread and red epoxy finish inside and out. Capable of flows up to 350GPM available with optional 1 1/2" N.P.T. female or male base. Height 18", width 11", weight 20 lbs.



FP1-125

**LARGER MONITORS
AVAILABLE**



FP3-750

FLOW DATA FP3-750

Using a 500A - 500 GPM Combination Fog Straight Stream Nozzle*

PSI	FULL FOG	3/4 FOG	1/2 FOG	1/4 FOG	STRAIGHT STREAM
60	19	38	45	61	103
80	21	41	50	64	124
100	24	45	56	66	140
120	25	51	61	80	151
140	26	55	65	88	162

* Based on "effective" reach (in feet) — optimum distance with continued effective extinguishing capability, conducted at 25° above horizontal with minimal wind conditions (0-5 M.P.H.).

750 GPM - 2 1/2" MONITOR FEATURES

- Seamless 2 1/2" monitor - rated at 750 GPM
- Carbon steel construction
- Stainless steel - discharge thread/ball bearings.
- Zerk fittings for lubrication
- 140° vertical travel/360° horizontal travel
- Operates easily at all pressure ranges - low friction loss
- Red epoxy finish - standard

Fire Pro™ Station Monitors were specifically designed to meet all requirements of municipal and petrochemical applications. The full flow single waterway configuration reduces friction loss, improving streams and distance. A 150# ASA raised face 2 1/2", 3" or 4" flange is standard, also available with NPT female or male bases with companion flange optional.

The balanced flow single waterway design configuration and precision machining on swivel joints insures ease of operation at all pressure/flow ranges.

An electrostatic coating process using epoxy powder permanently fuses the red epoxy particles to the steel surface (prepared by sandblasting). Coated inside and out for effective corrosion resistance.

Standard features include swivel joints with stainless steel ball bearings, Buna-N "O" rings, and zerk fittings for lubrication. Lock knobs are 3" diameter "fluted" black phenolic with molded-in stainless steel studs.

The permanent mount tiller bar is standard. Optional adjustable "C" clamp and detachable tiller bars with locking pin are available.

FP2-750 - 2 1/2" ASA 150 # raised face flange base with full seamless 2 1/2" waterway and 2 1/2" NH male stainless steel discharge thread. Rated at 750 GPM at 100 PSI with standard red epoxy finish inside and out. Height 22", (plus 14" tiller bar handle) width 13", weight 45 lbs.

FP3-750 - 3" ASA 150 # raised face flange with same features as FP2-750.

FP4-750 - 4" ASA 150 # raised face flange with same features as FP2-750.

FP2F-750 - 2 1/2" female N.P.T. base with same features as FP2-750. Use with #3529 Hydrant Mount.

FP3F-750 - 3" female N.P.T. base with same features as FP2-750.

FP2M-750 - 2 1/2" male N.P.T. base with same features as FP2-750.

FP3M-750 - 3" male N.P.T. base with same features as FP2-750.

FP3WF-750 - "THE ORIGINAL" - 3" 150 lbs. ASA flange base built with standard long radius weld fittings. Standard 2 1/2" NH male stainless steel discharge thread and red epoxy finish inside and out.

FP4WF-750 - Same as above with 4" 150 lbs. ASA raised face flange.

STATION MONITORS

3", 4" & 6" WATERWAY

1200GPM - 3" MONITOR FEATURES

- Greater flow capability
- Less friction loss
- Carbon steel construction
- Single waterway - Balanced flow design
- 90° vertical travel
- 360° horizontal travel

FP3-1200 w/#3526



FP3-1200 - 3" ASA 150 # raised face flange base with 3" waterway reducing to a 2 1/2" NH stainless steel male thread. Rated at 1200 GPM at 100 PSI with standard red epoxy finish inside and out. Height 28", (plus 14" tiller bar handle), width 16", weight 52 lbs..

FP4-1200 - 4" ASA 150 # raised face flange base with same features as the FP3-1200.

FP3F-1200 - Female N.P.T. base

FP3M-1200 - Male N.P.T. base

Fire Pro™ 4" and 6" diameter waterways were designed for applications that require large volumes of water with minimal manpower.

Large volume streams are ideally suited for breaking through thermal updrafts on tank fires, covering large areas quickly for vapor recovery and for fireboat applications.

Monitors can also be furnished with manifolds - custom built for specific requirements with Storz Quick Connect couplings 4", 5", or 6" as required.

2000GPM - 4" Monitor

FP4-2000 - 4" ASA 150 # raised face flange base with full 4" waterway and 4" NH male stainless steel discharge thread. Standard features include a vertical blade lock control for safety with the larger flow capabilities and "detachable" tiller bar handle with "hitch" pin. Vertical travel limited to 90°. Full 360° horizontal travel. Large diameter full flow waterway minimizes friction loss, maximizing effective distance and reach at all flow ranges. Standard red epoxy finish inside and out. Height 32", width 22", weight 135 lbs.

FP4-2000



4000GPM - 6" Monitor

FP6-4000 - 6" ASA 150 # raised face flange with 6" waterway with 4" NH stainless steel male threaded discharge tip. Optional 5" and 6" discharge tips available. Balanced flow with vertical blade lock for safety and "detachable" tiller bar handle with "hitch" pin. Standard red epoxy finish inside and out. Height 44", width 37", weight 270 lbs.

FP6-4000-CM - 6" monitor including manifold - custom fabricated as required by customer specifications. P.O.A.

FP6-4000



**U.S. NAVY LANTERNS
NAVY SYM 101.2
Relay Operated
Emergency Lantern**

- Meets Requirements of Mil-F 16377
- 2-6 Volt Dry Cell Batteries*
- 11 SVAC Relay
- Qualified To Mil-S-901 Shock, & Mil-STD-167-1 Vibration Testing
- Molded of High Impact Glass Filled Polyester Resins

**RECHARGEABLE LANTERNS
Roflan Type 1504
Rechargeable Relay Operated
Emergency Lantern**

- 11 SVAC Relay
- Built In Battery Charger
- 6 Volt 4 Amp Rechargeable Battery
- Automatic Battery Shut-off
- Molded of High Impact Glass Filled Polyester Resins




**NAVY SYM 100.2
Hand Held Emergency Lantern**

- Portable
- 2-6 Volt Dry Cell Batteries*
- Meets Requirements of Mil-F-16377
- Qualified To Mil-S 901, Shock, & Mil-STD-167-1 Vibration Testing
- Molded From High Impact Glass Filled
- Polyester Resins.

* Batteries Not Included

**Roflan Type 1505
Hand Held Rechargeable
Lantern**

- Portable
- Built In Battery Charger
- 6 Volt 4 Amp Rechargeable Battery
- Automatic Battery Shut-off
- Molded of High Impact Glass Filled Polyester Resins
- 11 5VAC Plug provided for Recharging in any Outlet

 Listed U.S. Patent
3514588

ADONIC I EMBARKATION LADDER

Adonic I Embarkation Ladder equivalent to chain. Approved by the U.S.C.G. with the No: 160.017/61/0. Meets and exceeds Solas standards.

Tested by Underwriters Laboratories, Inc. with a drop test of 150 ft. maximum length. Each step tested 2,000 lbs.

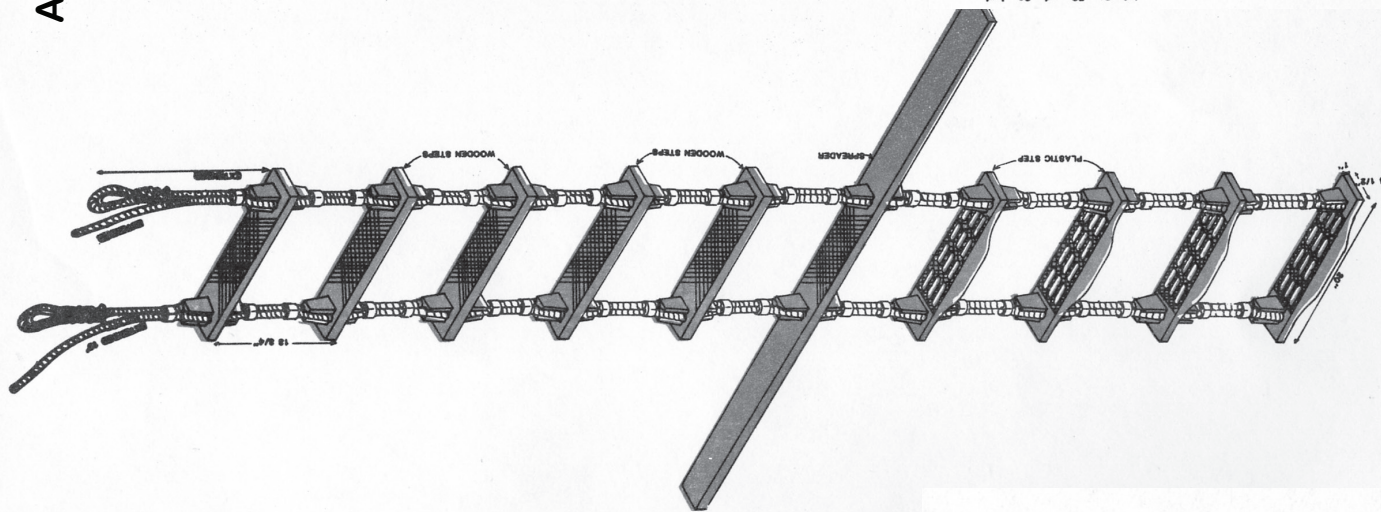
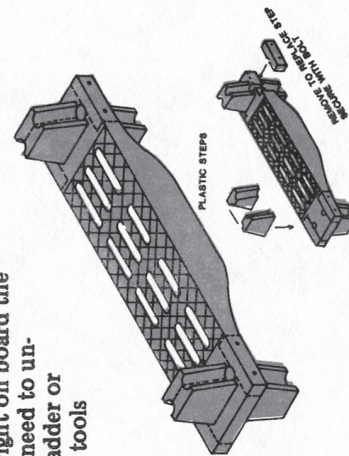
The steps are International Orange molded polyurethane made by Rubber Millers Inc. Rope suspension members are polypropylene white outer jacket an orange inner core for safety. Clamp - 6063 Alloy Aluminum.

PILOT LADDER CLASSIFIED BY UNDERWRITERS LABORATORIES INC.® IN ACCORDANCE WITH USCG REGULATION TITLE 46 CHAPTER 1 PART 163.003



REPLACEMENT STEP

It is designed to be replaced quickly and easily right on board the vessel. No need to unstring the ladder or any special tools required.



ADONIC II PILOT LADDER

Marking Details:

- Date of Manufacture in the following format: DD/MM/YY
- USCG approved pilot ladder 163.003/12/0 Pilot ladder meets Solas 1974, Chapter V, Regulation 17.

Description:

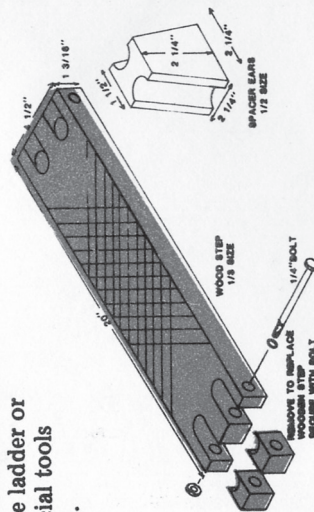
- Steps - Wood Oak, each step and spreader
- Spreaders - Wood Oak, have a diamond shape groove, a non-skid grit surface and painted a bright orange.
- Clamp - 6063 alloy aluminum.
- Rope suspension members - Synflex 3/4" Poly-Plus

PILOT LADDER CLASSIFIED BY UNDERWRITERS LABORATORIES INC.® IN ACCORDANCE WITH USCG REGULATION TITLE 46 CHAPTER 1 PART 163.003



REPLACEMENT STEP

It is designed to be replaced quickly and easily right on board the vessel. No need to unstring the ladder or any special tools required.



ADONIC I PILOT LADDER

Adonic I is approved by the U.S.C.G. with the No: 163.003/19/0. Meets and exceeds Solas standards.

Tested by Underwriters Laboratories, Inc. with a drop test of 150 ft. maximum length. Each step tested 2,000 lbs.

The steps are International Orange molded polyurethane made by Rubber Millers Inc.

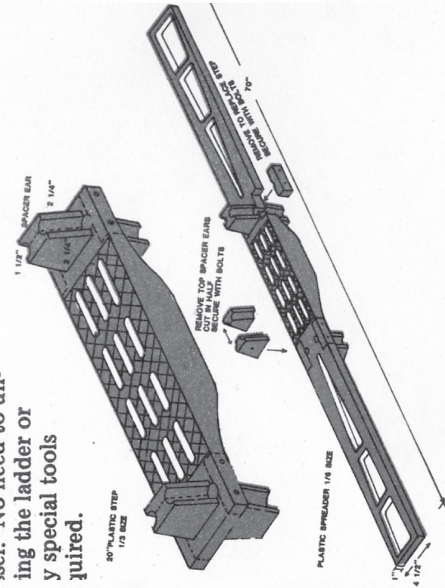
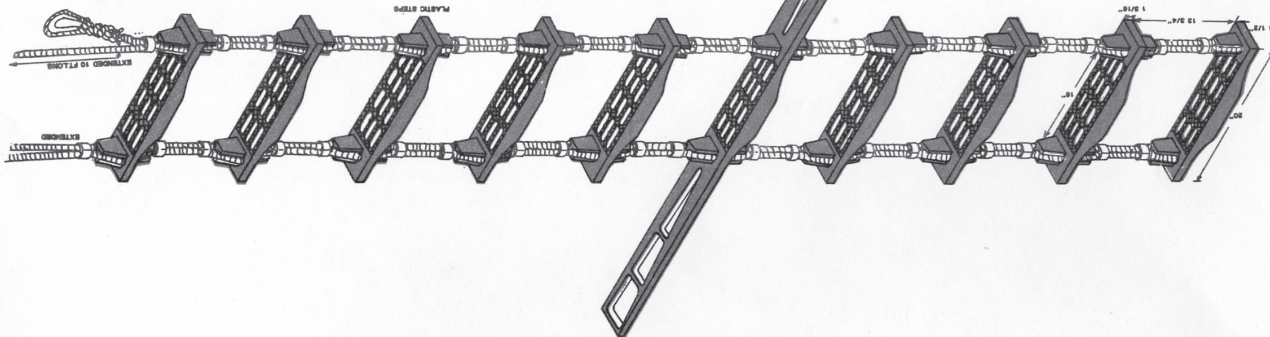
Rope suspension members are polypropylene white outer jacket an orange inner core for safety.

Clamp - 6063 Alloy Aluminum.

PILOT LADDER CLASSIFIED BY UNDERWRITERS LABORATORIES INC.® IN ACCORDANCE WITH USCG REGULATION TITLE 46 CHAPTER 1 PART 163.003

REPLACEMENT STEP

is designed to be replaced quickly and easily right on board the vessel. No need to unrig the ladder or any special tools required.



EMBARKATION-DEBARKATION EQUIVALENT TO CHAIN LADDER

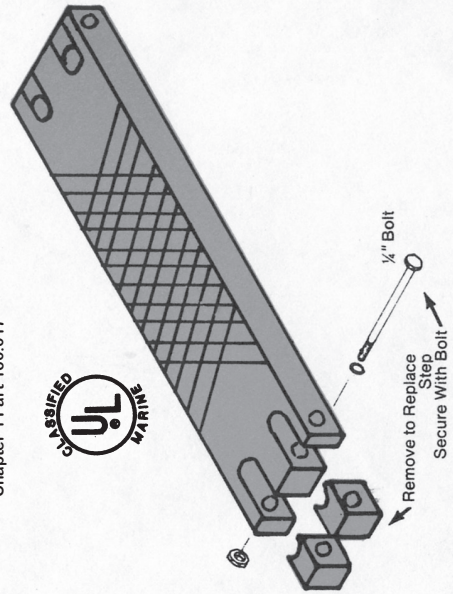
Marking Details:

- Adonic II
- Date of Manufacture in the following format: DD/MM/YY
- USCG Approval Number 160.017/58/0
- USCG approved embarkation-debarkation equivalent to chain ladder meets Solas 1974, Chapter V Regulation 17.

Description:

- Steps - Wood (Oak) have a diamond shaped grooves, non-skid grit surface and painted a bright marine orange. 4-1/2" wide, 1-3/16" thick, 20" long.
- 13-3/4" centers.
- Clamps - 6063 alloy aluminum.
- Rope suspension members - Synflex 3/4" Poly-Plus. Tested to 2,000 lbs.

Embarkation-Debarkation Equivalent to chain ladder classified by Underwriters Laboratories, Inc. in accordance with USCG Regulation Title 46 Chapter 1 Part 160.017





SCBA's.

Draeger offers two lines of high-performance self-contained breathing apparatus. The ProAir® SCBA is designed specifically to protect industrial workers. The AirBoss® offers protection for firefighters. Both systems are:

- Dependable. Over 120,000 of Draeger's latest SCBA's are presently in use.
- Warranted. Draeger SCBA's have the lowest cost of ownership and a "bumper-to-bumper" warranty.



Facepieces and masks.

Draeger's full facepieces and masks fit any air purifying or supplied air requirement.

Each full facepiece is one size fits all, due to the double-seal frame.

The Panorama Nova with wide vision range is available as a negative pressure or a positive pressure model.

The innovative Futura offers a changeable connector that lets the wearer use the mask for cartridge applications or for supplied air applications.

Combitox Nova Cartridge.

The half mask has a latex free silicone soft body that forms a smooth, comfortable seal on the wearer's face. A one-piece harness allows for quick donning and adjustment.

Dräger

Draeger Safety

Full Line of Respiration Protection and Gas Detection Products



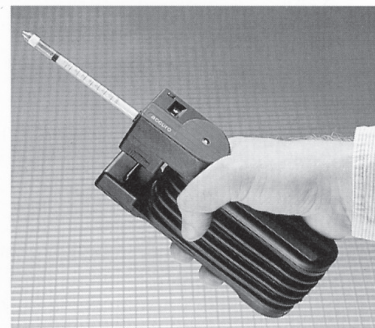
Pac III.

Offers the loudest alarm, brightest alarm light and largest backlit graphic display of any single gas monitor. Tough and tamper-proof, Pac III's ABS housing provides protection against radio frequency interference. Plug-in sensors store gas specific information on EEPROM chips. Datalogger function allows information to be downloaded to a PC for through analysis.



Dräger CMS.

Chip Measurement System for gas and vapor spot measurement, combines the advantages of chemistry and electronics to provide accurate and reliable results. The system consists of two components – a substance-specific chip, and an analyzer.



The proven bellows pump.

Three decades of extensive field use have proven that Draeger's bellows pump concept provides the best volume and flow characteristics for accurate, repeatable results.

- Scissors mechanism
- Tube opener
- Built-in stroke counter
- End-of-stroke indicator
- Designed to fit the hand.

Diffusion tubes. The Draeger Tube System measures more than 350 gases, vapors and aerosols on-the-spot.



Multiwarn II.

Multigas instrument that can be configured from 1 to 5 gases to include 1 IR and/or 1 catalytic, and any combination of 3 interchangeable electrochemical smart sensors for O₂ and 11 different toxic gases. Features include an internal pump for remote sampling, intelligent plug-in sensors and datalogger.

BRAINTEASERS

- 1) You have to get to the hospital. At a fork in the road you meet Joe and Moe, a pair of identical twin boys. You can't tell them apart, but you know that Joe always tells the truth and Moe always lies. You can ask one of them only one question. What question will guarantee that you take the correct fork... and which twin do you ask?
- 2) If you went to bed at 8 o'clock at night and wound your alarm clock to go off at 9:00 the next morning, how much sleep would you get?
- 3) Why can't a man living in North Carolina be buried in South Carolina?
- 4) If you had only one match and you entered a room in which there was a kerosene lamp, an oil heater, and a wood-burning stove, which would you light first?

ANSWERS

- 1) You ask either of them, "If I asked your twin which road to take to get to the hospital, which way would he tell me to go?" And then you would take the other road. Why? If the truth-telling twin tells you what his twin would say, it would be a lie, so the direction indicated would be wrong. The lying twin would lie about what his twin would say, which would be the truth, so the lying twin would also indicate the wrong path.
- 2) One hour. Windup clocks don't have A.M./P.M. settings.
- 3) He could, but he would be pretty uncomfortable being buried alive.
- 4) The match.

In case you needed further proof that the human race is doomed through stupidity, here are some actual label instructions on consumer goods:

- On a Sears hairdryer: Do not use while sleeping. (and that's the only time I have to work on my hair).
- On a bag of Fritos: You could be a winner! No purchase necessary details inside. (the shoplifter special?)
- On a bar of Dial soap: "Directions: Use like regular soap." (and that would be how???....)
- On some Swanson frozen dinners: "Serving suggestion: Defrost." (but, its "just" a suggestion).
- On Tesco's Tiramisu dessert (printed on bottom): "Do not turn upside down. "(well ...duh, a bit late, huh!)
- On Marks & Spencer Bread Pudding: "Product will be hot after heating" (...and you thought????...)
- On packaging for a Rowenta iron: "Do not iron clothes on body" (but wouldn't this save me more time?)
- On Boot's Children Cough Medicine: "Do not drive a car or operate machinery after taking this medication." (We could do a lot to reduce the rate of construction accidents if we could just get those 5-year olds with head-colds off those forklifts.)
- On Nytol Sleep Aid: "Warning: May cause drowsiness." (and ... I'm taking this because???....)
- On most brands of Christmas lights: "For indoor or outdoor use only." (as opposed to ... what?)
- On a Japanese food processor: "Not to be used for the other use" (now, somebody out there, help me on this. I'm a bit curious.)
- On Sunbury's peanuts: "Warning: contains nuts." (talk about a news flash)
- On an American Airlines packet of nuts: "Instructions: Open packet, eat nuts." (Step 3: maybe, uh...fly Delta?)
- On a child's superman costume: "Wearing of this garment does not enable you to fly"