ResQmax™
the NEW Generation



The **ResQmax**™ is a new generation Line-throwing and Rescue Appliance fueled by compressed air, specifically designed to deploy a Line only, or an Auto-Inflating Sling & retrieval Line to an otherwise inaccessible point in both land-based and maritime environments, providing an emergency response capability without putting the rescuer at risk.

- The ResQmax is non-pyrotechnic, reusable and refillable, utilizing a patented* air-thrust technology.
- The ResQmax Launcher is made from high-impact polycarbonate for durability and excellent impact resistance.
- The ResQmax uses standard Projectiles with service pressure of 3,000 psi / 207 Bar.

## MAXimum Distance

The ResQmax is capable of deploying a Line up to 400 feet / 122 meters with the standard Projectile depending on the service pressure, the weight of the Line, and type of the Projectile used.

## MAXimum Safety

- The Safety Mechanism is "always ON," resetting automatically when a Projectile is inserted.
- The Projectile's "push-click" engagement allows easy reloading, even in the dark.
- A Pressure Relief Assembly prevents unsafe pressure build-up that could result from exposure of the Projectile to extreme heat.

## MAXimum Performance

**Multi-Shot Capacity** - our patented Nozzle Valve permits any number of the Projectiles to be precharged and stored with the ResQmax, allowing deployment of multiple Projectiles in rapid succession.

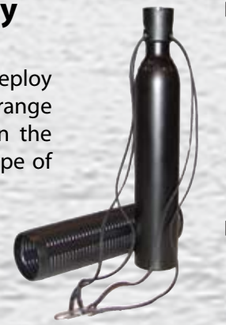
## MAXimum Ease of Use

The ResQmax Filler System utilizes a "quick coupler" connectors and selection of adapters to permit charging of the Projectiles from multiple air sources.

## MAXimum Versatility

### Line Projectile

The Line Projectile will deploy a variety of Lines over a range of distances, depending on the service pressure and the type of Line used.
*(See Conservative Distances Chart on the back page.)*



### Red Training Projectile

This Projectile is designed for training or for repeated use when deploying a Line from the launch point to a hard surface. The protective cover is a low-recoil high-density urethane material reducing projectile "bounce" on contact.



### Luminescent Training Projectile

The luminescent protective cover combines the best features of high initial brightness and long afterglow for visibility during nighttime use. It can be excited by daylight, incandescent, fluorescent, or ultraviolet light. This excitation process can be repeated indefinitely.



### Auto-Inflating Sling

The Sling Projectile will deploy an Auto-Inflating Sling and retrieval Line to a victim in the water. Fitted with water-activated auto-inflator, the Sling will provide sufficient buoyancy to support a 300 lbs / 136 kg victim.



### Quick Coupler Fittings

To easily and quickly connect the ResQmax Filler Hose Assembly to the compressed air source, different fittings are available for interface with DIN, SCBA, or SCUBA valves.



### Folding Stock

The Folding Stock enhances the operator's ability to aim the Projectile more accurately. When in the collapsed position, the Folding Stock becomes a convenient carrying handle.





### Kit Carry Bag

The Kit Carry Bag is made from 1000-denier Cordura fabric, with two external zippered pockets, one internal zippered pocket, and a weatherproof membrane over the entire footprint.

### Pelican Transport/Storage Case

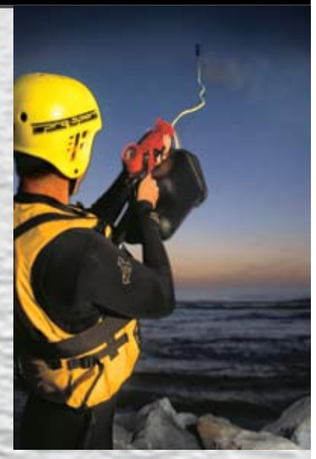
This unbreakable, watertight, dust-proof, chemical resistant, and corrosion-proof case comes with a lifetime guarantee. Equipped with an extending handle and rollers, this case is used for transport and storage of the ResQmax.



### Tool Kit

The Tool Kit provides all the tools needed for operational maintenance of the ResQmax.





## ResQmax Kits

- ResQmax Kits are recommended basic configurations tailored for various intended use.
- Additional Lines, Projectiles, and other accessories can be purchased separately.
- Custom Kit configurations are also available.

"The Global Leader in intrinsically safe line-throwing equipment"

*US Patents #5,690,524; RE36,395 of 5,584,736; and other Patents Pending

### Kit 410 - ResQmax Line Deployment Kit

| | |
|---|---|
| 1 - Part #500 | ResQmax Launcher - Red |
| 2 - Part #300-S | Streamline Projectile w/ 2 spare covers - 3,000 psi |
| 1 - Part #805 | 500lb test 3mm Dacron line (500ft/152m) w/ Compact Line Container |
| 1 - Part #806 | 2,200lb test 8mm Polyspectra line (300ft/92m) w/ Large Line Container |
| 1 - *Select* | Streamline Filler Hose (#911-S SCBA; #912-S SCUBA; #913-S SCUBA-DIN) |
| 1 - Part #907 | Kit Carry Bag - Red |

### Kit 411 - ResQmax Surf Rescue / Line Deployment Kit

| | |
|---|---|
| 1 - Part #500 | ResQmax Launcher - Red |
| 1 - Part #300-S | Streamline Projectile w/ 2 spare covers - 3, 000 psi |
| 1 - Part #301-S | Streamline Sling Projectile w/ 4 spare Burst Capsules - 3, 000 psi |
| 1 - Part #805 | 500lb test 3mm Dacron line (500ft/152m) w/ Compact Line Container |
| 1 - Part #808 | 1,100lb test 6mm Polypropylene line (300ft/92m) w/ Compact Line Container |
| 1 - *Select* | Streamline Filler Hose (#911-S SCBA; #912-S SCUBA; #913-S SCUBA-DIN) |
| 1 - Part #907 | Kit Carry Bag - Red |

### Kit 412 - ResQmax Swift Water / Messenger Line Kit

| | |
|---|---|
| 1 - Part #500 | ResQmax Launcher - Red |
| 1 - Part #300-S | Streamline Projectile w/ 2 spare covers - 3,000 psi |
| 1 - Part #301-S | Streamline Sling Projectile w/ 4 spare Burst Capsules - 3,000 psi |
| 1 - Part #805 | 500lb test 3mm Dacron line (500ft/152m) w/ Compact Line Container |
| 1 - Part #806 | 2,200lb test 8mm Polyspectra line (300ft/92m) w/ Large Line Container |
| 1 - *Select* | Streamline Filler Hose (#911-S SCBA; #912-S SCUBA; #913-S SCUBA-DIN) |
| 1 - Part #907 | Kit Carry Bag - Red |

### Kit 416 - ResQmax Marine Vessel / Messenger Line Kit

| | |
|---|---|
| 1 - Part #500 | ResQmax Launcher - Red |
| 1 - Part #300-S | Streamline Projectile w/ 2 spare covers - 3,000 psi |
| 1 - Part #301-S | Streamline Sling Projectile w/ 4 spare Burst Capsules - 3,000 psi |
| 1 - Part #805 | 500lb test 3mm Dacron line (500ft/152m) w/ Compact Line Container |
| 1 - Part #808 | 1,100lb test 6mm Polypropylene line (300ft/92m) w/Compact Line Container |
| 1 - *Select* | Streamline Filler Hose (#911-S SCBA; #912-S SCUBA; #913-S SCUBA-DIN) |
| 1 - Part #908 | Pelican Storage / Transport Case - Black - Rail Mountable |

### Kit 420 - ResQmax RASing / UNREPS Kit

| | |
|---|---|
| 1 - Part #500 | ResQmax Launcher - Red |
| 2 - Part #305-S | Streamline Training Projectile w/ Red Cover - 3,000 psi |
| 2 - Part #805 | 500lb test 3mm Dacron line (500ft/152m) w/ Compact Line Container |
| 1 - *Select* | Streamline Filler Hose (#911-S SCBA; #912-S SCUBA; #913-S SCUBA-DIN) |
| 1 - Part #907 | Kit Carry Bag - Red |

### Kit 421 - ResQmax Mining Kit

| | |
|---|---|
| 1 - Part #500 | ResQmax Launcher - Red |
| 2 - Part #305-S-SS | Streamline Industrial Projectile w/ Red Cover - 3,000 psi |
| 2 - Part #803 | 1,500 lb test 4mm Spectra line (500ft/152m) w/ Compact Line Container |
| 1 - *Select* | Streamline Filler Hose (#911-S SCBA; #912-S SCUBA; #913-S SCUBA-DIN) |
| 1 - Part #907 | Kit Carry Bag - Red |

# TECHNICAL SPECIFICATIONS

**ResQmax Launcher**
**Part # 500**

| Specification | Measurement | |
|---|---|---|
| Length (Folding Stock Closed) | 16.8 in | 42.5 cm |
| Length (Folding Stock Open) | 28.7 in | 72.9 cm |
| Height (Folding Stock Closed) | 13.2 in | 21.6 cm |
| Height (Folding Stock Open) | 8.5 in | 33.5 cm |
| Barrel Width | 3.4 in | 8.6 cm |
| Weight | 3.4 | 1.5 |
| Launcher Housing | Polycarbonate | |
| Color | Red | |
| Shape | Irregular | |
| Internal Mechanism | Stainless Steel | |

**Filler Hose Assembly**
**Part # 911-S; 912-S; 913-S**

| Specification | Measurement | |
|---|---|---|
| Overall Length | 42.8 in | 108.6 cm |
| Hose Diameter | 0.5 in | 1.3 cm |
| Total Weight | 2.2 lbs | 1.0 kg |
| Overall Service Rating | 5,000 psi | 345 BAR |
| Hose Material | Nylon and Aramid Fiber | |
| Hose Finish | Black Urethane | |
| Filler Block Material | 6061-T6 Aluminum | |
| Filler Block Finish | Black Anodized | |
| Bleed Screw | Stainless Steel and Nylon | |
| Adapters (DIN, SCBA, SCUBA) | Stainless Steel | |

**Projectiles**

| Part | Part # | Length | | Diameter | | Weight | | Cover Material | Color |
|---|---|---|---|---|---|---|---|---|---|
| | | in | cm | in | cm | lbs | kg | | |
| Standard Projectile | 300-S | 13.4 | 34.0 | 2.375 | 6.03 | 1.8 | 0.8 | Polyethylene | Black |
| Sling Projectile | 301-S | 23.5 | 59.7 | 2.375 | 6.03 | 2.8 | 1.3 | Polyethylene | Red |
| Training Projectile | 305-S<br>306-S | 13.7 | 34.9 | 2.28 | 5.79 | 1.9 | 0.9 | High Density Urethane | Red or Florescent |
| Projectiles are made from 6061-T6 Al, have a black powder-coat finish, and a Service Pressure of 3,000psi | | | | | | | | | |
| Nozzles are Stainless Steel; Nozzle Protectors are black glass-filled nylon. | | | | | | | | | |
| Sling is yellow, made of nylon, and is equipped with auto-inflating mechanism and manual-inflating oral tube. | | | | | | | | | |

**Rope Options**

| Material | Part # | Length | | Diam. | Specific Gravity | Minimum Break Load | | Weight per Length | |
|---|---|---|---|---|---|---|---|---|---|
| | | ft | m | (mm) | | lbs | kg | lbs | kgs |
| Spectra | 803 | 500 | 152 | 4 | <1 | 1,500 | 680 | 1.75 | 0.8 |
| Spectra | 804 | 500 | 152 | 6 | <1 | 3,000 | 1,360 | 3.5 | 1.6 |
| Dacron | 805 | 500 | 152 | 3 | >1 | 500 | 225 | 1.95 | 0.9 |
| Polyspectra | 806 | 300 | 92 | 8 | <1 | 2,200 | 1,000 | 4.8 | 2.2 |
| Polypropylene | 808 | 328 | 100 | 6 | <1 | 1,100 | 500 | 3.1 | 1.4 |
| Line Containers are irregularly shaped and made of polyethylene with a black finish. Hinges are | | | | | | | | | |
| Stainless Steel. Compact Line Container Weight: 1.8lbs / 0.8 kg Large Line Container Weight: 2.9lbs / 1.3kg | | | | | | | | | |

**Bags and Cases**

| Part | Part # | Length | | Width | | Height | | Weight | |
|---|---|---|---|---|---|---|---|---|---|
| | | in | cm | in | cm | in | cm | lbs | kg |
| Kit Bag | 907 | 28.0 | 70.0 | 14.0 | 35.0 | 16.0 | 41.0 | 2.3 | 1.0 |
| Kit Bags are red with reflective markings and are made of 1,000 Denier Cordura, Waterproof Vinyl, and Nylon. | | | | | | | | | |
| Pelican Case - Small | 908 | 31.59 | 80.2 | 20.47 | 52.0 | 12.45 | 31.6 | 29.3 | 13.3 |
| Pelican Case - Large | 909 | 31.59 | 80.2 | 22.99 | 58.4 | 19.48 | 49.5 | 37.7 | 17.1 |
| Cases are made of Copolymer with Black finish. Small Pelican Case will hold a maximum of 2 Compact Line Containers. | | | | | | | | | |
| Large Pelican Case will hold a maximum of 2 Large Line Containers or 1 Large and 2 Small Line Containers. | | | | | | | | | |

**Please Note: All values are displayed as maximum, external measurements.*

## Conservative Distances Chart

| Part # | Description | with Line Projectile | | with Sling Projectile | | with Grappling Hook★ | |
|---|---|---|---|---|---|---|---|
| | | ft | m | ft | m | ft | m |
| 803 | 4mm Spectra | 400 | 104 | 300 | 92 | 285 | 87 |
| 804 | 6mm Spectra | 330 | 87 | 270 | 82 | 260 | 80 |
| 805 | 3mm Dacron | 400 | 107 | 300 | 92 | 285 | 87 |
| 806 | 8mm Polyspectra | 275 | 76 | 200 | 61 | 190 | 58 |
| 808 | 6mm Polypropylene | 300 | 92 | 230 | 70 | 220 | 67 |

★ Horizontal Deployment

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