

Res-Q Series

**Watercraft Solutions for
Rescue Professionals**



WATER RESCUE PRODUCTS



There is nothing **Natural** About a **Disaster**



Introducing the Res-Q Series

CPI's Water Rescue Division has been producing innovative inflatable rafts and products for commercial applications for more than 20 years. Based in Kyle, Texas, CPI enjoys an international reputation for delivering durable rafts, inflatable boats and accessories to help commercial, military and rescue personnel accomplish the mission at hand.

As a direct result of flooding and devastation in Texas left behind from Hurricane Harvey in 2017, CPI aggressively expanded its rescue offering with the introduction of the Res-Q Series.

By partnering with a well established brand in the United Kingdom, CPI was able to expedite the process while mitigating the risks associated with unproven product. CPI collaborated with Water Rescue Systems (WRS) in the UK to produce rescue sleds manufactured in CPI's Texas facility.

In similar fashion, CPI researched the rescue inflatable boat market and found the Raptor line of heavy duty inflatable boats used by military and emergency operations for many years. This patented technology had demonstrated success under extremely hazardous conditions and met CPI's stringent construction and durability requirements.

Together, the inflatable rescue sleds, rafts and Raptors give the Res-Q Series essential tools to assist first responders in both powered and unpowered scenarios.



Res-Q Raft 400

Weighing in at only 44 pounds, the four person Res-Q Raft 400 is the ultimate portable response vessel. It includes a drop stitch floor that can be removed and used as a throwable— complete with D-rings and handles.

The raft also features reinforced D-rings for towing behind another boat or for multiple point tethering from shore. In-line handles port and starboard serve as handholds for evacuees and rescuers alike. The extra durable 40 ounce Evaloy bottom material makes this vessel suitable for ice rescues as well.

- STANDARD FEATURES & OPTIONS
- Four person capacity (9' 11" x 2' 8" inflated)
 - Many 2" Stainless Steel D-Rings for tow/tether
 - In-line handles port and starboard
 - Removable drop stitch floor with handles
 - Only 44 lbs. for transport to remote locations
 - Quick Inflation Valve, Pressure Relief Valve
 - 32 ounce PVC tube (red/gray/yellow)
 - 40 ounce Evaloy bottom material
 - Carrying bag and air pump
 - Optional repair Kit



Specifications are estimates and subject to variance. CPI reserves the right to change features, options and specifications.



How many tired first responders can fit into a Res-Q Raft 400?



Removable laced-on sacrificial bottom option shown above mitigates damage and abrasion when traversing rugged surfaces.



Removable / throwable floor can be used to stabilize a victim while additional rescue tools are deployed.

House Evac Res-Q Sled

Water evacuations are already problematic without adding narrow passageways to the mix. For house door and window rescues, the House Evac Res-Q Sled is the ultimate solution. With a 2' 3" beam, this inflatable sled provides egress to areas otherwise inaccessible. At 5' 11" length overall, it can carry up to one adult and one child (or pet) simultaneously.

For long distance evacuations and improved stability in dangerous current, this craft can dock inside the Swift Water Res-Q Sled (sold separately).

STANDARD FEATURES & OPTIONS

- 1-2 person capacity (5' 11" x 2' 3" inflated)
- 6 handles (3 each side)
- Transportable to remote locations: only 33 lbs.
- Quick Inflation Valve
- Pressure Relief Valve
- PVC coated drop stitch deck & sides
- EVA foam deck pad for traction
- Carrying bag and air pump
- Optional repair Kit



Swift Water Res-Q Sled

The upward curve of the Swift Water Res-Q Sled's bow inhibits water intrusion in fast moving current. Strategically positioned handles function as handholds for up to three crew and also allow the craft to serve as a stretcher. Four deck mounted handles facilitate boarding from the water while deck pads provide traction once rescuers are on board. Five tube mounted D-rings are available to tow or tether the sled. Four additional D-rings are mounted to the deck to secure gear.

STANDARD FEATURES & OPTIONS

- Three person capacity (11' 6" x 4' inflated)
- 5- 2" Stainless Steel D-Rings for tow or tether
- 4- 2" Stainless Steel D-Rings in deck
- 11 Tube mounted handles
- 4 deck mounted handles to facilitate boarding
- At 57 lbs., can be carried to remote locations
- 2- Quick Inflation Valves
- 2- Pressure Relief Valves
- 32 ounce PVC tube (red/gray/yellow)
- PVC Drop stitch flooring with pads for traction
- Carrying bag and air pump
- Optional repair Kit



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Having the Right Tools Is Half the Battle

(Training and Guts are the Other Half.)

Res-Q Raptor Inflatable Boats

Few people would choose to forge a raging river or wade through stagnant water and debris to help complete strangers. But rescuers are a special breed. Having the right training and the proper tools can mean the difference between success and failure. Life or death.

CPI's Res-Q Raptor Inflatable Boats can turn the tide in your favor when it comes to waterborne rescues. Select from four different models that vary by size, capacities and features. These boats are built tough to withstand the harshest environments. And because they are inflatable, they require very little storage room and can be deployed in remote locations— because emergencies rarely happen anywhere convenient.

Res-Q Raptor 380



While it may be the smallest boat in the Res-Q Raptor fleet, the 380 is big on performance. With a 6 person capacity, the 380 is the perfect quick response boat with ample room for personnel and evacuees. It has reinforced D-rings for towing and a roll up aluminum floor that provides interior stability yet minimizes storage requirements. Equip it with an optional 30 hp engine for swift water or long range rescues. Manual inflation pump and gauge are standard. An optional high pressure connector is available for self-inflation (air cylinder pictured above not included).

Res-Q Raptor 380

NOTABLE FEATURES & OPTIONS	
<ul style="list-style-type: none">• Six person capacity (12' 6" x 5' 8" inflated)• Paddle or power driven• Solid transom holds up to 30 hp engine• Interior and exterior life lines• Multiple carry handles port and starboard• D-Rings for daviting, lifting or secure storage• Rubstrakes on bottom & sides to reduce chafe• Only 181 lbs. for transport to remote locations• Inflation Valves• Pressure Relief Valves• Bow bag with storage• Carrying bag and air pump• Optional paddles, repair kit, self-inflation system, davit / lifting slings (4 point)	

SPECIFICATIONS	
Capacity	6
Max. Load	1323 lbs. / 600 kg
Overall Length	12' 6" / 380 cm
Overall Width	5' 8" / 174 cm
Internal Length	8' 5" / 256 cm
Internal Width	2' 8" / 82 cm
Tube Diam.	18" / 46 cm
Max Power	30 hp
Chambers	3 main, 1 keel
Weight	181 lbs./ 82 kg
Standard Floor System	Aluminum Roll Up

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Res-Q Raptor 400



The Res-Q Raptor 400 was developed in cooperation with the United Kingdom’s Water Rescue Academy—internationally recognized experts in flood rescue boat handling techniques. This model features strategically placed reinforcement in susceptible locations.

Other features include a solid transom designed to accommodate an optional outboard up to 30 horsepower.

Shown with optional air deck, paddles and gear.

Res-Q Raptor 400

NOTABLE FEATURES & OPTIONS	
<ul style="list-style-type: none">• Seven person capacity• Designed by water rescue experts• Aluminum slat roll-up deck• Solid transom holds up to 30 hp engine• Interior and exterior life lines• Multiple carry handles port and starboard• D-Rings for daviting, lifting or secure storage• Only 225 lbs. for transport to remote locations• Inflation Valves• Pressure Relief Valves• Bow cover and 3 storage pockets• Carrying bag and air pump• Optional paddles, repair kit, self-inflation system, davit / lifting slings (4 point)	

SPECIFICATIONS	
Capacity	7
Max. Load	1390 lb. / 630 kg
Overall Length	13' 3" / 400 cm
Overall Width	5' 11" / 178 cm
Internal Length	9' / 273 cm
Internal Width	2' 11" / 86 cm
Tube Diam.	18" / 46 cm
Max Power	30 hp
Chambers	5 main, 1 keel
Weight	225 lbs. / 102 kg
Floor System	Aluminum Roll Up

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Res-Q Raptor 430

The Raptor 430 sports a spacious interior and an 8 person capacity. This multi-purpose craft is designed to carry exceptionally heavy loads under adverse conditions. It is excellent for transporting vital equipment to remote locations with reinforced tie-downs, a standard aluminum roll up deck, a keel rub strake and an optional 30 horsepower engine.

Other standard features include a bow cover with storage and two aft lateral storage pockets. Notable options include paddles and a high pressure connector for the optional self-inflation system.

Shown with optional aluminum hard deck.

Res-Q Raptor 430

SPECIFICATIONS	
Capacity	8
Max. Load	2095 lbs. / 950 kg
Overall Length	14' 2" / 430 cm
Overall Width	6' 3" / 188 cm
Internal Length	10' 3" / 309 cm
Internal Width	3' / 92 cm
Tube Diam.	19" / 48 cm
Max Power	30 hp
Chambers	3 main, 1 keel
Weight	245 lbs. / 111 kg
Floor System	Aluminum Roll Up

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NOTABLE FEATURES & OPTIONS	
<ul style="list-style-type: none">• Eight person capacity• Paddle or power driven• Solid transom holds up to 30 hp engine• Standard aluminum roll up deck• Interior and exterior life lines• Multiple carry handles port and starboard• D-Rings for daviting, lifting or secure storage• Inflation Valves• Pressure Relief Valves• Bow cover and storage pocket• Carrying bag and air pump• Optional paddles, repair kit, self-inflation system, davit / lifting slings (4 point)	

Res-Q Raptor 470



Res-Q Raptor 470

The largest model in the series is the Raptor 470. With a 10 person capacity and an optional 60 horsepower engine, the 470 is capable of tackling big problems in big water. The solid composite transom is fortified with an aluminum mounting plate for the optional engine. The 470 is available in two configurations— 470 RU with the aluminum slat roll up floor and the 470 AL with rigid aluminum panels. This award winning model can be fully inflated in 60 seconds using its patented optional self-inflation system (air cylinder shown above not included).

SPECIFICATIONS	
Capacity	10
Max. Load	2756 lb. / 1250 kg
Overall Length	15' 6" / 470 cm
Overall Width	7' 3" / 190 cm
Internal Length	11' 3" / 340 cm
Internal Width	3' 6" / 90 cm
Tube Diam.	22" / 56 cm
Max Power	60 hp
Chambers	6 main, 2 speed, 1 keel
Weight	362 lbs. / 164 kg
Floor System	Aluminum Roll Up

NOTABLE FEATURES & OPTIONS	
<ul style="list-style-type: none">• 10 person capacity• Composite transom holds up to 60 hp engine• Interior and exterior life lines• Speed tubes with rub strakes standard• D-Rings for daviting, lifting or secure storage• Rubstrakes on bottom & sides to reduce chafe• Inflation Valves• Pressure Relief Valves• Bow cover and 4 storage pockets• Carrying bag and air pump• Inflates in 60 seconds using the optional self-inflation system• Optional paddles, repair kit, self-inflation system, davit / lifting slings (4 point)	

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Raptor Specifications & Options

Model	Raptor 380	Raptor 400	Raptor 430	Raptor 470 RU	Raptor 470 AL
Person Capacity	6	7	8	10	10
Max Load Capacity	1323 lbs. / 600 kg	1390 lbs. / 630 kg	2095 lbs. / 950 kg	2756 lbs. / 1250 kg	2095 lbs. / 1200 kg
Overall Length	12' 6" / 380 cm	13' 3" / 400 cm	14' 2" / 430 cm	15' 6" / 470 cm	15' 6" / 470 cm
Inner Length	8' 5" / 256 cm	9' / 273 cm	10' 3" / 309 cm	11' 3" / 339 cm	11' 3" / 339 cm
Overall Width	5' 8" / 174 cm	5' 11" / 178 cm	6' 3" / 188 cm	7' 3" / 218 cm	7' 3" / 218 cm
Inner Width	2' 8" / 82 cm	2' 11" / 86 cm	3' / 92 cm	3' 6" / 106 cm	3' 6" / 106 cm
Tube Diameter	18" / 46 cm	18" / 46 cm	19" / 48 cm	22" / 56 cm	22" / 56 cm
CE Design	C	C	C	C	C
Max Engine HP	30	30	30	60	60
Max Engine Weight	187 lbs. / 85 kg	187 lbs. / 85 kg	187 lbs. / 85 kg	287 lbs. / 130 kg	287 lbs. / 130 kg
Standard Floor	Aluminum Roll Up	Aluminum Roll Up	Aluminum Roll Up	Aluminum Roll Up	Rigid Aluminum
Total Weight	181 lbs. / 82 kg	225 lbs. / 102 kg	245 lbs. / 111 kg	362 lbs. / 164 kg	415 lbs. / 188 kg
Main Buoyancy Tubes	3	5	3	6	6
Speed Tubes	N/A	N/A	N/A	2	2
Inflatable Keel	1	1	1	1	1
Fabric Weight	PVC 1100 dtx	PVC 1100 dtx	PVC 1100 dtx	PVC 1100 dtx	PVC 1100 dtx
Transom Height	15" / 40 cm or 20" / 48 cm	20" / 48 cm	20" / 48 cm	20" / 48 cm	20" / 48 cm

Features	Specifications	Raptor 380	Raptor 400	Raptor 430	Raptor 470 RU	Raptor 470 AL
Fabric	PVC	STD	STD	STD	STD	STD
	Hypalon/CSM	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
Color	Red	STD	STD	STD	STD	STD
	Blue/Black/Gray/Orange	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
Floor	Aluminum Roll Up	STD	STD	STD	STD	N/A
	Aluminum Hard Deck	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	STD
	Drop Stitch Air Deck	OPTIONAL	OPTIONAL	OPTIONAL	N/A	N/A
Options	Speed Tubes	N/A	N/A	N/A	STD	OPTIONAL
	Self-Inflation System	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
	Paddles	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
	Canvas Carrying Bag	STD	STD	STD	STD	STD
	Foot Pump	STD	STD	STD	STD	STD
	Repair Kit	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
	Davit / Lifting Slings	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL

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Anatomy of a Raptor



