

When every second counts...

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Nautic & Art is an Canadian expert manufacturer of professional inflatable craft made of military-grade **Hypalon**[®]. We have the proven skills to work with the robust features engineered into this fabric, propelling us to our position as leader in the North American industry in the production of **Hypalon**[®] inflatable tubes.

Our company was founded in 2002, on the combined expertise of two brothers : one is a renowned expert in Hypalon® with almost 20 years hands-on manufacturing experience and the other has served in the military for over 10 years and has accumulated invaluable skills as a Project Manager for an American branch of a construction company. We are extremely proud of our innovative products designed for professionals. Our multi-purposes craft, the Polar 75TM is a rapid deployment craft and the NAV HD series, a line of boats with incomparable stability & manoeuvrability, performing sharp turns at high speeds in shallow water.

Hypion Hypion Reopene Polyester Hi Neopene

Inflatable Boats Last Longer with Hypalon®

Fabrics with an attractive coating of Hypalon® are weather- and water-resistant, rugged... yet are lightweight and easy to handle. All these qualities make it perfect for use on inflatable boats.

The properties of Hypalon® may be summarized as :

Durability. - Because of their resilience and abrasion resistance, parts made of Hypalon® possess good resistance to impact, crushing, cutting, gouging and other kinds of physical abuse. Tests confirm the good resistance of Hypalon® to wear and abrasion.

Extreme weather and ozone resistance. - Natural aging or oxidation of rubber products is accelerated out of doors by the sun's heat and ultraviolet rays. Tests show **Hypalon®** has a slow rate of oxidation degradation and also has excellent resistance to microbiological attacks.

Oil, grease, solvent, resistance. - Hypalon[®], when properly compounded, is highly resistant to attacks by hydrocarbon oils and fuels, even at elevated temperatures.

Resistance to microorganisms. - Properly compounded **Hypalon®** is not attacked by microorganisms and will not promote the growth of mold, mildew, fungus and bacteria.





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The military-grade **Hypalon®** used to build the **Polar 75™** has enormously contributed to the extraordinary performance of this craft in the severe Nordic climate as it remains supple, even in the extreme cold.

Quick and easy :

- One quick connector, never becomes jammed
- Single inflation point for 3 air chambers (patented)

The carry handles allow the rescuers to easily walk/run with the craft on solid surfaces and jump in when they reach open water.

Even the sharpest ice has not damaged the Polar 75™.



« The extreme conditions encountered in Arctic demand the toughness offered by the **Polar 75™** as our equipment are dead or life issue. » Mario Aubin – Chief Instructor, Nunavik Artic Survival Training Center

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Sled & Stretcher



Where traditional emergency vehicles cannot go, it's easy to tow the **Polar 75^m**, reaching remote areas covered by snow as in the case of an avalanche, a snowmobile accident, an airplane crash in the woods, etc...

The **Polar 75[™]** with its 8-foot long high-pressure floor makes it simple to safely transport a victim on a backboard while offering ample space for the rescuers and their specialized equipment.





Easy to store and carry everywhere !

« When we respond to an emergency call, we never know the situation we will have to deal with, the **Polar 75**TM is so versatile that we know we are equipped to act in any circumstances. »

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Daniel Waite – Division Chief, Sherbrooke Fire Department

KA Flood





The **Polar 75TM** can transport a payload of 1045 kg and still be easily towed or paddled. The **Polar 75TM** is so « friendly user » that anyone can use it without instructions.

The dimensions of the **Polar 75TM** in its transport bag are 2' wide x 2' long x 2' high. Dozen of **Polar 75TM** can be shipped together in order to quickly bring aid to hundreds of people in need.



« The **Polar 75[™]** is the perfect device for flooded area in our operations as we need compact equipment because every inch of emergency shipping is calculated. Another big advantage of the **Polar 75[™]** : it can be used easily by any people on the site. »

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Hossam K Elsharkawi, PhD - Emergency Response Coordinator, Norwegian Red Cross







Access points are located in the bow and the stern : water entry through one hole and water exit on the opposite side. There is no drag in the water - that's why the **Polar 75TM** is so stable in strong currents.

« The **Polar 75**[™] was remarkably stable and maneuverable within the elevated sea state; it felt very much like a canoe without the risk of capsize. »

Greg Onions - Survival System Training, Ocean rescue testing

Swiftwater

Each anti-corrosive Stainless Steel D-Ring (towing ring) on the **Polar 75[™]** can withstand a tension of 2500 pounds (laboratory tested). At even higher tension levels, the metal ring will actually deform in shape before the adhesion of the **Hypalon®** patch will let go !



« The currents in swiftwater are so strong that it demands the rigidity of the **Polar 75**[™], a craft less rigid would make our job a lot harder ! » Chris Pettinger – Technical Rescue Specialist, Ontario







The extreme stability and toughness of the **Polar 75TM** allow to put on an « all terrains vehicle », it takes less than 5 minutes from the **Polar 75TM** in is bag to get the ATV on ready to cross a body of water.

You only need to install a removable transom (optional) that you insert in the carry handles (you don't need any other attachments) to easily and safely mount a small outboard (up to 4 hp) to propel the **Polar 75TM**.



 \ll Bodies of water present everywhere limit the access to remote areas, the Polar 75TM permit to reach those place quickly even with our equipment and ATV. »

Sergeant Michel Côté – Emergency Department, Quebec Provincial Police

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Body retrieval Rescue dive platform Low overhead dam





Another major advantage of the **Polar 75TM**: a rescuer can sit high on top of the bow thanks to the sharp angle and rigidity allowing a constant view of the victim while rescue is approaching. This can also facilitate a different technique for rescuing the victim.



20 seconds deployment



Length :	4,4 m
Width :	1,3 m
Tube Diameter :	36 cm
Weight :	32 kg
Payload :	1045 kg
Fabric :	Hypalon [®] (40 oz)
Manufacturer's warranty :	5 years
Fabric warranty :	5 years
Rapid deployment :	20 seconds
Safety :	3 independent air chambers
Easy :	1 single inflation point (patented)
Transport :	6 carry handles
Solid anchor points :	6 bow and stern, 6 on the tubes
Rescue « window » opening :	81 cm x 66 cm
Reliable :	100% Hypalon®
	with underside reinforcements

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« ONE OF THE RARE MANUFACTURERS WORLDWIDE TO PERFORM THIS TEST... »





Nautic & Art is governed by the International quality standard ISO 9001:2000 and we have an impressive list of satisfied customers.

Our expert reputation as a **Hypalon®** manufacturer is now recognized worldwide by various National Defence, Professional Rescue and emergency aid agencies. We pride ourselves on our outstanding quality and use all resources available to us in order to maintain this reputation for excellence. At *Nautic & Art*, the final stage of production is our rigourous testing. There is only one acceptable result : 100% PASS.

We perform four tests on all of our products :

Bulkhead test. - Ensures that each air chamber is airtight, even the bulkhead. We are one of the rare manufacturers worldwide to perform this test on all of our products (it is a requirement for products used by the Military.)

Overpressure test. - This test is also required for products used by the Military.

Barometric test. - Confirms that all of the seams on the structure are airtight at 100%.

Pressure-relief valve test. - Although our supplier offers a strong warranty, we individually test each relief valve to ensure that it will open to release excess air and close to retain air pressure at the correct level.



Visit our website at *www.nacorp.ca* to watch the videos of the **Polar 75**[™] in action.

For more information, contact us by phone at +1 819-845-4440 or by email info@nacorp.ca

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