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Congratulations on purchasing an MRS packraft.

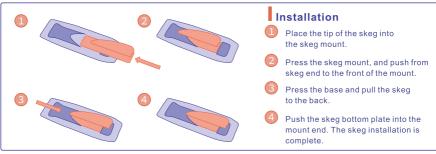
Please read these instructions carefully before using your packraft.

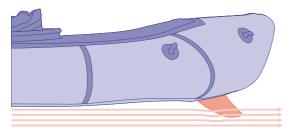
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Manufacturer: Chengdu Micro Rafting System Trading Co., Ltd. Rev Oct. 2021





The advantages of using the removable skeg are significant. The skeg helps the packraft keep stable, and it concentrates the energy of propulsion forwards, reducing inefficient corrective paddling movement (a common problem in packrafts without a skeg). Better tracking results in greater paddling speed. However, in shallow water, using a skeg also increases the risk of bottoming.

To add the skeg, the installation position should be on the stern, as far away from the paddler as possible whilst remaining under the water line. This ensures optimum benefit from the skeg.

The small skeg suits water depths, including white water. It can withstanding impact on the river bed and effectively reduces the swing of the packraft, which improves paddling efficiency. At the same time, it will not increase the size of turning radius, so your packraft remains

the packraft, which improves paddling efficiency
At the same time, it will not increase the size of
turning radius, so your packraft remains
extremely manouvreable.

The large skeg is designed for cruising. In long
distance traveling, its turning radius will be

greater. It will significantly reduce hull swing, increase directional stability and increase

paddling speed.

In the standard specification, Nomad S1 (D) series is equipped with the large skeg. Other models are equipped with a small skeg. Both skegs use the same mount so are interchangeable.



The string can be tied to secure the skeg.

Internal Storage Bag (ISS Models)

Instructions for Use

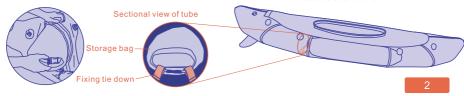
1 . Put equal weight within each storage bag on either side. As the bags cannot be accessed until deflation, only store items which do not require on-the-water access.

2 . Put the luggage into the storage bag, fold the top of the bag, tighten the storage bag as much as possible, and then insert the buckle at the top opening.

 $3.0 pen \ the \ Tizip \ and \ put \ the \ storage \ bag \ inside \ the \ packraft \ tubes.$

4 .Unfasten the buckle at the top of the bag after the storage bags are inserted into the tubes, pass the buckles through the two tie downs and re-fasten the buckle.

Tie down fixings within the tubes can be used to fix the storage bags in place. This ensures that even as the packraft moves, the storage bags will not slide back and forth.



How to Inflate Your Packraft

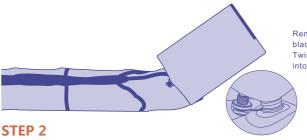
The packraft can be inflated quickly and easily using the inflation bag.



Install the skeg before inflating the

STEP 1

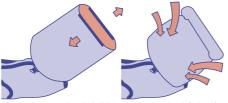
Connect inflation bag to the valve



Remove the one-way valve from the black main valve on the hull.

Twist the inflation back male valve into the female valve on the packraft.

Inflation

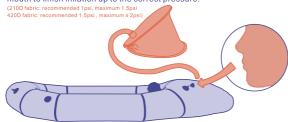


* Do not allow water into the hull through the valve when inflating. If water enters the hull accidentally, it must be dried with an air pump as soon as possible. The water in the hull may damage the hull of the packraft if left for long periods of time Hold the inflation bag rods (one in either hand) and pull up the inflation bag swiftly to fill with air. Quickly fold and roll the opening of the bag to trap sufficient air (an 80% bag fill should be possible). Squeeze the air of from the inflation bag into the tubes. Repeat this step 4-8 times (depending on which packraft you have purchased) until the packraft is largely inflated. Quickly replace the one way valve to prevent air loss.

Inflate by mouth

STEP 3

The last step is to use a micro pump or your mouth to finish inflation up to the correct pressure.



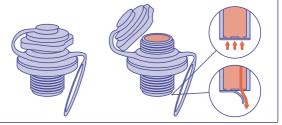
* After inflation, immediately take the boat to the water and top up pressure if the packraft loses pressure due to the cold water. Note also that the air in the packraft will expand in warm weather. Ensure the air pressure in the inflatable seat and backrest, isn't too high as these parts will not cool with water contact and are more likely to become pressurised in warm weather. Lower seat pressure also aids comfort.

With the one way valve re-installed, use your mouth or pump to bring the tubes up to correct pressure.

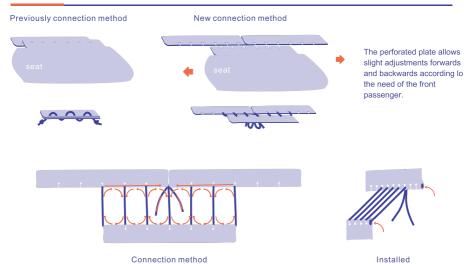
The packraft may loose pressure when entering the water. This is because the air with in the tubes can reduce in volume when coming into contact with colder water. If this occurs, top up the packraft with more air using the one way valve to bring it back up to pressure.

Main Valve

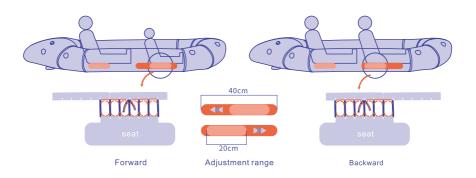
It is installed to prevent air flow back. When blowing in air, the valve opens due to the flowing pressure. When inflation stops, the valve naturally closes due to the pressure of the returning air flow.



Front Seat Adjustment (Adventure X2)



Comparison



Installation: Quick Release Front Backrest (FQB) / Foam Backrest (MEB)

STEP 2

STEP 3

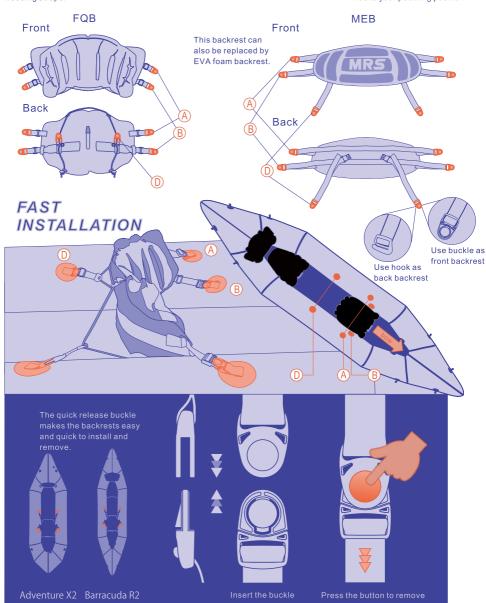
STEP 4

upward and locate the webbing straps.

Put the valve of the backrest Install the forward buckles A and B.

Install buckle D.

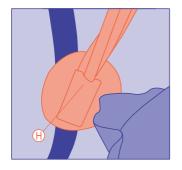
After all installation, adjust the tilt of the backrest until it suits your paddling position.

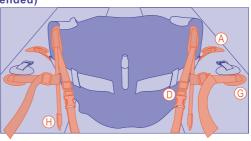


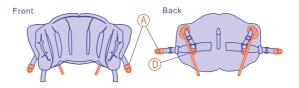
Nomad S1/S1D Backrest

Framed Backrest FN-SB (Recommended)

After the aluminum tube passes through G, insert it into the slot (H). Connect the front buckles A and the backward buckle D.







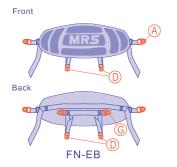
The ring G provides the extra support to make the aluminum tube support even more stable.

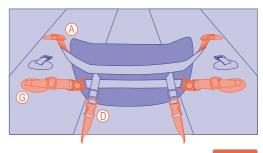
FN-SB

H G A

EVA Curved Foam Backrest FN-EB

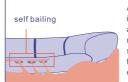
The EVA foam backrest can also be fitted to the Nomad.



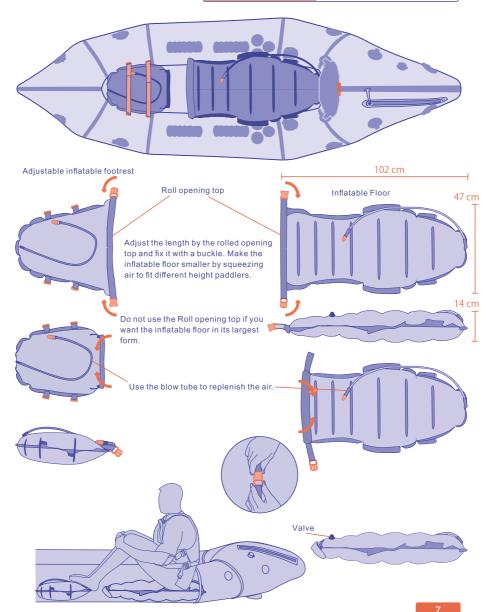


Inflatable Floor and Adjustable Footrest (Viking Model Only)

The MRS Viking Self Bailer uses an adjustable inflatable floor and footrest. Both are designed with rolled opening mouth, which can be adjusted to a suitable length.



As this packraft uses a special inflatable floor and an adjustable footrest, it does not need a sprayskirt. It is ideally suited to white water allowing fast water bailing and easy exit/re-entrtry into the packraft.



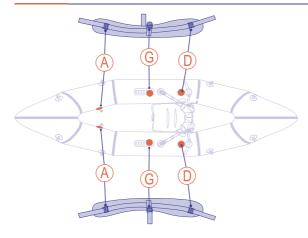
Thigh Strap

MRS has two types thigh straps, one is 3p foam thigh strap, another is 5P thigh straps pro.

3-Point Foam Thigh Strap

STEP 1

Connect the Fasteners



Connect the fasteners A, G, D to the hull. As shown in the following images, pass the webbing through the tie downs of hull and button it up. Then check to confirm the tightness of the fit.

G is a hook type fastener. Further detail is shown on the following page.







STEP 2 Adjustment



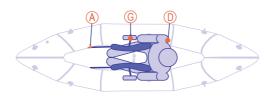
Sit in the boat in a comfortable and natural position, bending the knees.

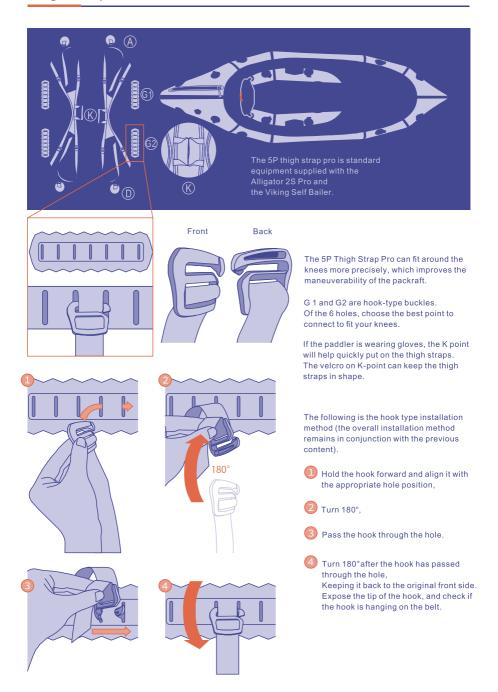
Adjust the length of point A and D to make the knees fit in. Tighten the thigh straps to make sure force can be transmitted to the hull through the thigh straps.

Connect the G point, but do not make it too tight, It will enhance the control to the hull.

Removal method:

The thigh straps can be quickly released by straightening both knees. This is an important safety feature.





W/D Type Spraydeck (Sprayskirt)

PEX pipe					
Size	65.5cm	83cm			
Color	White	Red			
Models to fit	Alligator2S Alligator2SPRO NomadS1D BarracudaR2PRO	Alligator2S PROXXL			

The coaming frame is composed of PEX pipes and aluminum pipes, The XXL version has a larger size of coaming; its spraydeck is not compatible with the normal version.

PEX pipe Metal aluminum pipe Frame B Frame A (PEX pipe) Frame A (PEX pipe) Frame A Coaming Coaming Coaming

STEP 1

Open the zippers on the sides of the coaming

STEP 2

Frame A (PEX pipe): one Frame A is placed in the front and one in the back of the coaming, Frame B (metal aluminum pipe): one Frame B is placed on the left and one in the right side of the coaming.

Insert the Frame A from the zipper.

Insert Frame B into the joint part to connect, make it into a ring and close the zipper.

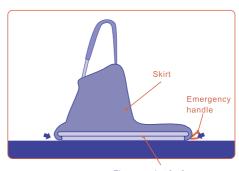
STEP 3

Close the zipper after installing. Install the spraydeck/sprayskirt after the coaming has been installed as set out in step 2.

STEP 4

Installation of skirts

Stretch the hem of the skirt on the frame. Tighten the hem of the skirt with a rubber rope, Firmly fasten it to the frame.



Zipper pocket for frame



A

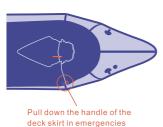
After installing the spraydeck/skirt, it is not easy to come out when the boat capsizes.

Please practice the escape skills in advance so that you can escape quickly and safely when the boat capsizes.



of an emergency such as capsize. Pull the handle shown on the diagram to the left to separate the spray skirt from the packraft. This is mportant in the event of a capsize to ensure a quick exit

C Type Spraydeck (Sprayskirt)



Type C spraydeck is removable

For the lifespan of the packraft, please keep it in a dry place for storage. The TPU coating will be hydrolyzed, whitened, and tarnished if it is wet and not cleaned up after use.



The deck will become an obstacle to get out of the hull when the packraft capsizes. Practice escape skills in a safe environment with expert tuition to escape quickly in the event of an emergency.

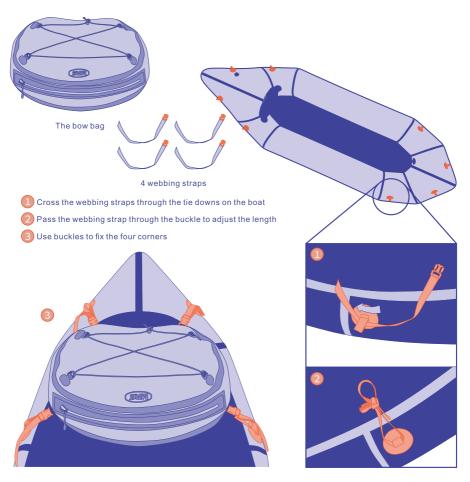


Pull down the handle of the deck skirt in emergencies

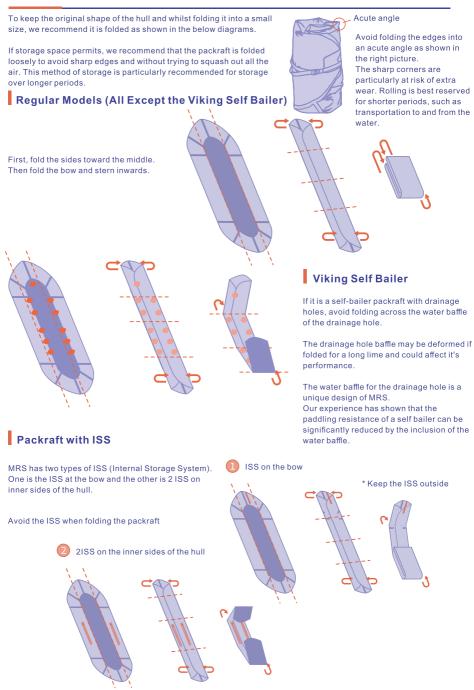
Bow Bag

The MRS bow bag can be installed on the bow or stern of all MRS packrafts.

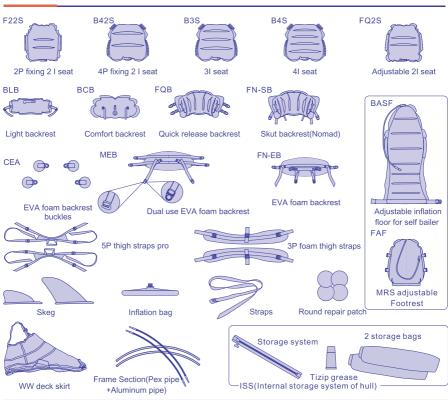
For zipper maintenance, please refer to the "TIZIP Maintenance" on Page 15 of this manual.



How to Fold Your Packraft



Accessories List



	Standar	d equip	"√" is standard equip "o" is optional "×"is not optional					Available separately		
MODEL	Seat	Backrest	Inflation bag	Pex pipe + Aluminum pipe	Thigh straps	ISS	Spray- deck /skirt	Adjustable footrest	EVA foam backrest (front)	EVA foam backrest (back)
Microraft	B3S	BLB	~	×	0	0	~	×	X	MEB+CEA
Microraft Extra Long	B3S	BLB	~	×	0	0	~	×	×	MEB+CEA
Alligator 2S	B3S	ВСВ	~	*	*	0	~	×	×	MEB+CEA
Alligator 2S PRO	B3S	всв	~	V	V	~	~	×	×	MEB+CEA
Alligator 2S PRO XXL	B3S	ВСВ	~	~	~	~	~	0	×	MEB
MRS Viking Self Bailer packraft	BASF	ВСВ	*	×	~	0	×	~	×	MEB
Nomad S1	F22S	FN-SB	~	×	0	0	X	0	FN-EB	X
Nomad S1 D	F22S	FN-SB	~	V	0	0	~	0	FN-EB	X
Adventure X2	FQ2S+B42S	FQB+BLB	~	×	×	0	0	×	MEB	MEB+CEA
Barracuda R2	F22S+F22S	FQB+BCB	~	×	×	0	0	×	MEB	MEB+CEA
Barracuda R2 PRO	F22S+F22S	FQB+BCB	~	~	×	~	~	×	MEB	MEB+CEA
Tulo	B3S	BLB	~	×	×	×	×	×	×	×
Ponto	B3S	BLB	~	×	×	0	×	×	×	×

Maintenance







Dry it after using

Avoid direct sunlight in storage

Prevent liquids from entering the hull



210D tube fabric:

recommended 1psi air pressure, maximum 1.5psi 420D tube fabric: recommended 1.5psi, maximum 2psi

Please place it in a well-ventilated place to keep it dry. Dry completely before packing it away for long periods of storage.

If stored in a damp state for a long time, bacteria may take hold on the fabric causing it to hydrolyze.

The backrest and seat cushion are made of nylon cloth with TPU coating.

The air will expand due to heat if it is put under the sun for a long time.

It may cause excessive pressure at the welded joint and cause damage.

Please clean the boat thoroughly after using in salt

If you use a neutral detergent, rinse it off with tap water.

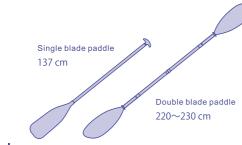
Please do not use detergents containing powerful chemicals.

Please remove stains after using the spraydeck, Store in a dry place.

If using mosquito repellent while on your packraft:

Some powerful mosquito repellents contain a high concentration of DEET. DEET can corrode plastic products, including but not limited to man-made fibers, plastic frames, paint, etc. This includes the risk of leaving marks on the polyether polyurethane used on MRS packrafts.

Paddle Length



The length of the paddle required varies according to paddlers height.

People who are tall should choose long paddles, and people who are smaller should choose short paddles. Otherwise it will affect control.

For packrafts, the choice of paddle length is between 220-230cm.

Use a paddle especially designed for white water of this length if paddling in white water.

You can use either double or single-blade paddles for the Barracuda R2.

Balance



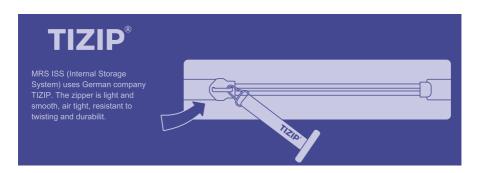


The balance of luggage to the bow and stern is important when loading heavy luggage.

If the packraft is unevenly loaded, it can become hard to paddle efficiently and it can affect stability.



The imbalance will be more pronounced in white water.



Structure

The TIZIP super watertight zipper has been pressure tested under 700 mbar atmosphere, and the sliding strip (pull head) can be pulled smoothly from one side to another (close butt joint). Severe bending may cause leakage (poor sealing), please avoid excessive bending the Zipper during storage.

Storage and Transportation

Close the zipper in storage or short transportation, because the closed zipper can prevent damage to the sealing lip and make the zipper resistant to bending.

Avoid storing or transporting the zipper in a highly humid environment or above room temperature!

Before storage, after storage and before use, please fully open the zipper and lubricate the zipper head sparingly. And pull the slider back and forth several times on the entire zipper to spread the lubricant evenly.

Technical Explanation

Each TIZIP super watertight zipper is composed of strong plastic buckle zipper and high-strength fabric. Every coil half is safely embeded and secured in a plastic profile.

When the TIZIP super watertight zipper is closed, the upper and lower sealing lips of the loop coil are tightly interlocked to achieve a perfect sealing effect. The plastic profile used is highly resistant to abrasion; the unique design can prevent the slider from abrading the sealing lip when the zipper is opened or closed.

The physical design of TIZIP super watertight zipper can strengthen the sealing strength when the zipper is under pressure or cross tension.

Both actions lead to an increased mechanical pressure on the top sealing lip.

Dust or Sand

The IZIP super watertight zipper is protective against dust or sand (to prevent it from being damaged). But if there is dust or sand on the zipper, ii should be cleaned up with soap and water as soon as possible, because dust and sand particles will affect the sealing effect if they get stuck in the zipper. Especially when the zipper is used for life protection or sensitive materials, the cleaning of dust in the zipper is even more important.

(Check again and again for dust and particles before use).



Lubrication

By applying grease regularly, the original performance of TIZIP is maintained. Especially at the end of the boating season, please take good care of ii before storing for long periods of time.

STEP 1

First, please remove the stains on the zipper. Let it dry thoroughly.

STFP 2

Use the attached special grease.
Apply some grease at interv

Apply some grease at intervals between the joint and the front end of the slider

STEP 3

Close the zipper. Wait for the grease to blend in. Wipe off excess grease.

Repair

A temperature of 20 to 30 $^{\circ}$ C and a humidity of 40 to 70% is good for the sticking and repairing of the boat. Ideally, choose a sunny day, no direct sunlight, and no wind directly hits.

Preparation

















Patches

Scissors

Cotton

Treatment agent

Adhesive (hardener)

Mark pen

k Scraper/ rubber brush

Substitute sandpaper when there is no treatment agent #60-120

Repairing





Use scissors to cut out the shape of the patch. The size of the patch should cover a radius of more than 25mm from the broken part.



Put the patch on the predetermined position of the hull. Draw a circle around the patch to determine the bonding area. It is best to use masking tape to attach the edges if possible.

The surface is treated with a treatment agent (solvent) before the adhesive. Please note that the solvent dripping on the hull will leave marks on the boat. Since the hull is a difficult-to-bond material, it is necessary to apply a suitable treatment agent. If there is no treatment agent, use clean sandpaper (Surface roughness is #60-120). Rub the adhesive surface of the broken part and the patch to bond. Compared with the use of a proper treatment agent, the adhesive strength is weaker.



After the surface is dry, apply glue. It is best to add a curing agent to the glue. But it can also be used directly. The following smearing method is an example for reference.

a. Apply the adhesive thinly and evenly to the patches and repairs.

b.Leave it for 5-10 minutes until it is sticky. The drying lime also varies depending on the environment. In humid or cold environments, it takes more time to dry.

c.In order to avoid uneven coating, it is recommended to apply twice.

d.Paste after drying.

e.If possible, heat when pasting, and compact it into position. Further, if possible add weight to keep the patch in position or use clamps while the glue cures. If it's just a small breach, in an emergency the packraft can be inflated after 30 minutes. But note the glues will likely require 24 hours to fully cure.

Safety

Water sports sometimes put users in danger and may cause injury. People who use this product or related products must understand that there is a possibility of injury or death. In order to prevent accidents, please read the manual carefully before using this product, take appropriate training and follow the instructions of the manual.

Please get the information of the geographical features and potential dangers of your boating route in advance. Not only the usual conditions, but also how it will be affected if the weather changes. Please do not use this product in dangerous places in dangerous weather.

Rolling dam

Please be sure to wear a life jacket and a helmet when rafting, and if necessary, please wear gloves and knee pads.

Know your skills and abilities in advance, don't risk using this product in places beyond your abilities. If you go packrafting in an environment that is likely to cause capsizing, such as a river rapids, please practice the skills of capsizing and escaping in advance in order to be able to escape safely and quickly when encountering danger.

The spray skirt has a handle that can be pulled immediately in an emergency. Every time you wear a spray skirt, make sure the handle are exposed and ready to pull.







The rolling dam is a very dangerous artificial structure. Escape from a rolling dam is extremely difficult and as such is a risk to life of both the paddlers and others.

- Children should use the packraft safely under the supervision of an adult.
- Whilst durable, this product is not suitable for heavy-duty use due to its ultra-light characteristics and thin fabric. It will be damaged if ii is rubbed strongly against sharp rocks or impacted by sharp objects.
- The folded sharp corners are easily damaged in non inflated state. Please pack it carefully as instructed.
- Please do not use it in a leaky or incompletely inflated condition.

 It may lead the failure to perform its original functions, easily cause damage and fall into dangerous situations.
- Even after it is fully inflated, it will feel sunken after entering the water. Usually when the air in the tubes comes into contact with cold water, it can lose pressure. Please stop the packraft to replenish air for a better performance.

Warranty

All MRS packrafts have a 3-year quality guarantee from the date of purchase. Failures caused by manufacturing defects will be repaired and replaced free of charge. In addition, for repairs and replacements, please contact the your distributor who will liaise with MRS regarding your warranty claim. Or send an email to the company warranty mailbox: service@mrsraftings.com

The following repairs can be carried out at an additional cost.

When the product is judged to have been damaged or deteriorated due to improper use.

It is judged that the fabric has deteriorated due to improper maintenance and/or storage methods, and general aging/wear.

Other manufacturing defects and causes of force majeure.

High-frequency use of commercial operations for renting or leasing purposes.

MRS frequently carries out product improvement. We will not provide prior notice of product upgrade changes. In addition, quoted specifications such as weight and size will vary due to the hand made nature of the product.



LIST OF DEALERS AROUND THE WORLD

Australia

Web: www.packraft.com.au TEL: +612 47352120

Email: sales@packraft.com.au

Add: Horizon Line Canoes,69 Great Western Highway,Emu Plains,NSW 2750

Belgium

Web: https://puffins.be Tel: +32485753023 Email: sofie@puffins.be

Add: Maaiken 40, 8300 Knokke (Belgium)

Canada

Web: campinghikingadventures.com

TEL: (825)994-7671

Email: info@campinghikingadventures.com Add: PO Box 573 Turner Valley,AB T0L 2A0

Canada

Chile

Web : www.packraft.cl TEL : +569 88200621

Emali : packraft.cl@gmail.com Add : Maturana 557 , Santiago, Chile

Czech Republic

Web: www.kajakarshop.cz TEL: +420 608 003 461 Email: shop@kajakarshop.cz

Add: KajakarSHOP.cz, Masarykova 885,

25263 Roztoky Czec

Finland

Web: www.melomo.fi TEL: +358 40 163 4550 Emali: info@melomo.fi Add: Melomo Oy Alppitie 12

90530 Oulu Finland

Germany

Web: www.packrafting-store.de Name: QPO Packraft
TEL: +49(0)341-39281264 Web: www.qpo.sg
Email: info@packrafting-store.de Email: info@qpo.sg
Add: Anfibio Packrafting Store Körnerplatz TEL: (+65) 9172 5213

3d 04107 Leipzig, Germany

Japan

Web: www.packrafting.biz TEL: 06-6195-7761

Email: mrs.packraft.jp@gmail.com Add: 1-1-26 HIMESATO.

NISHI-YODOGAWA-KU.OSAKA.JAPAN

Japan

Web: https://pack-raft.info/ TEL: 075-205-5201 Email: info@pack-raft.info Add: 509-2 Shimouma-machi, Higashiyama-ku, Kyoto Japan

Korea

Web: https://cafe.naver.com/microrafting

TEL: 82-10-7626-6007

Email: gorilapictures@gmail.com

New Zealand

Web : furtherfaster.co.nz TEL : 0297721170

Email: daniel@furtherfaster.co.nz Add: 57 A Buchan St, Sydenham, Christchurch 8023.New Zealand

Norway

Web: https://packraftnorge.no/ TEL: 0047 483 85 523 Email: post@packraftnorge.no

Add: Packraft Norge AS, Husebykroken 26,

3280 TJODALYNG, NORWAY

Sweden

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MRS user's Manual

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