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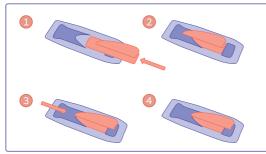
Thank you for purchasing a MRS packraft.

This user manual contains important safety, performance, and technical information, which you should read before your first use and keep for future reference.

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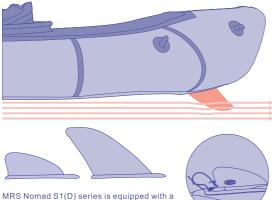
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Manufacturer: Chengdu Micro Rafting System Trading Co., Ltd. Rev 10.2 2021



Installation

- Place the tip of the skeg into the skeg mount.
- Hold the skeg mount, and push the skeg forward to the front end of the mount.
- Pull the skeg back into the rear end of the mount.
- Make sure the skeg is firmly seated in the mount.



MRS Nomad ST(D) series is equipped with a large skep. All other models are equipped with small skegs. The little and big skegs are interchangeable. Both are available at MRS distributors. improves paddling efficiency, however, in shallow water, using a skeg also increases the risk of bottoming.

A skeg should be installed on the stern. Greater stability is achieved by mounting the skeg away from the paddler.

A skeg stabilizes the packraft by minimizing horizontal swings, and greatly reduces paddle strokes needed to correct the direction. While it

The little skeg is for whitewater and greater maneuverability. It can withstand impact and effectively reduce the swing of the hull, which improves the paddling efficiency. At the same time, it does not increase the turning radius, and keeps the boat agile. A little skeg can be found on all MRS packrafts except the Nomad.

The big skeg comes with the MRS Nomad. It largely eliminates horizontal swings, which is ideal for cruising lakes, and long river stretches

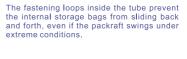
Internal Storage Bag (ISS Models)

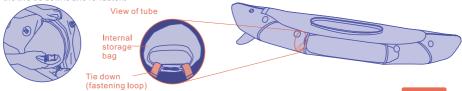
Instructions for use

- Plan ahead and put similar weighted luggage in the storage bags on each side, preferably items that are less frequently used, such as tents and sleeping bags. Place them evenly on the left and right according to their weight and volume.
- 2. Insert items into the internal storage bags and make the bags as small as possible. Fold the top of the bag, then tighten the opening and fasten the buckle.
- 3. Open the Tizip and put the storage bag inside (grab the bottom of the bag).

4. Release the buckle on the bag. Pass the buckles through the two tie downs and re-fasten.







The rone can be tied to

the skeg mount when used in whitewater.

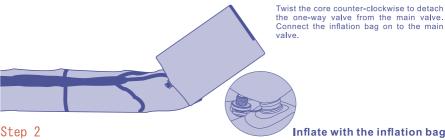
Use the inflation bag to guickly inflate a packraft.



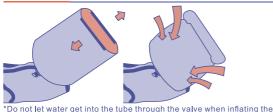
Mount the skeg before inflating the packraft.

STEP 1

Connect the inflation bag to the hull



Inflate with the inflation bag



hull. Repeat this a few times until the packraft is 90% inflated. Remove the inflation bag and quickly re-attach the valve core to the main valve.

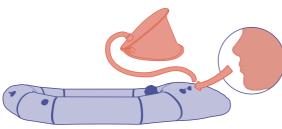
Stretch the inflation bag wide open and let air in, then close it and press the air into the

TIP: Face the inflation bag into the wind to fill the bag quickly.

packraft. It must be dried immediately with an air blower if water gets inside. Failure to do so may cause lasting damage to the packraft.

Step 3

Inflate by mouth

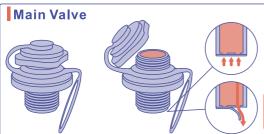


Blow by mouth or use a pump to fully inflate the packraft via the main valve. Close the cap once finished.

Note: Chamber air pressure may drop when the packraft is moved from land to water, because the cold water may cool the air in the packraft. This is normal, and it is not a leak. You can top up the air with your mouth.

> 210D fabric: recommended 1.0 psi 420D fabric: recommended 1.5 psi

*To avoid excessive pressure, immediately move the boat to water after inflating, or keep it in a cool place. Do not over-inflate the seat and backrest. In fact sitting is more comfortable if the backrest pressure isn't too high.

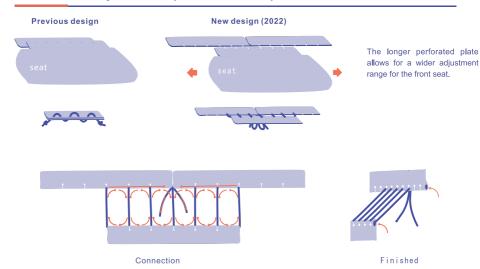


The one-way main valve allows air into the packraft chamber while blocking outward air flow. When the packraft is in use, the valve core must remain firmly attached to the main valve to ensure chamber remains airtight. You may remove the valve core when 1). inflating the packraft with an inflation bag, or 2). deflating the packraft for storage.

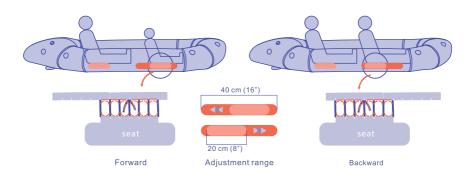


packraft chamber through the main

Front Seat Adjustment (Adventure X2)



Comparison



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

Step 1

Place the backrest in the packraft. The inflation valve should be on the

STEP 2

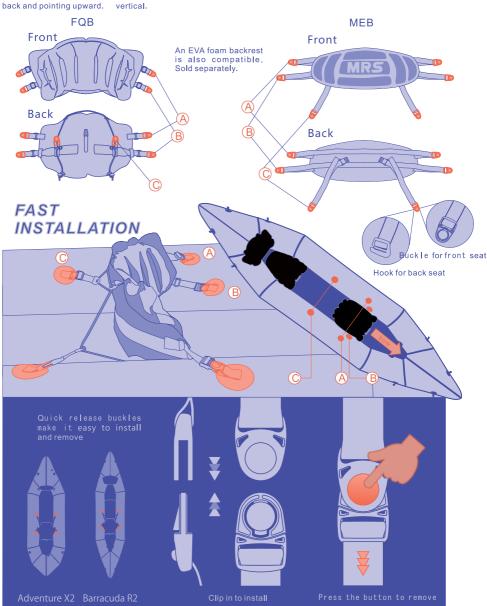
Attach A and B to the packraft. Adjust the length to make the backrest

Step 3

Attach C.

Step 4

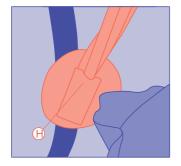
Adjust the strap length to a comfortable sitting position.

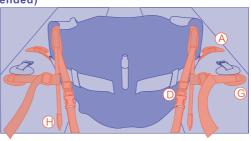


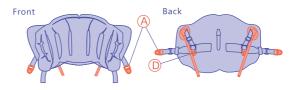
Nomad S1/S1D Backrest

Framed Backrest FN-SB (Recommended)

Pass the aluminum stick through G, and insert it into H. Then connect buckles A and D.

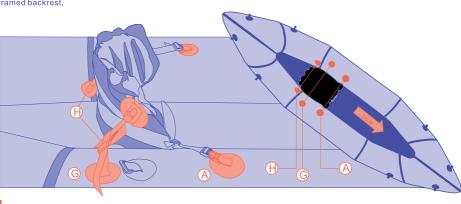






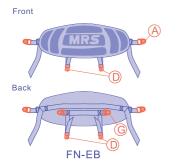
FN-SB

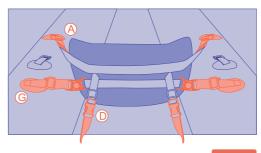
The G connector provides extra support for the framed backrest.



EVA Curved Foam Backrest FN-EB

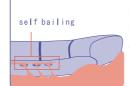
The EVA foam backrest can also be used on the Nomad.



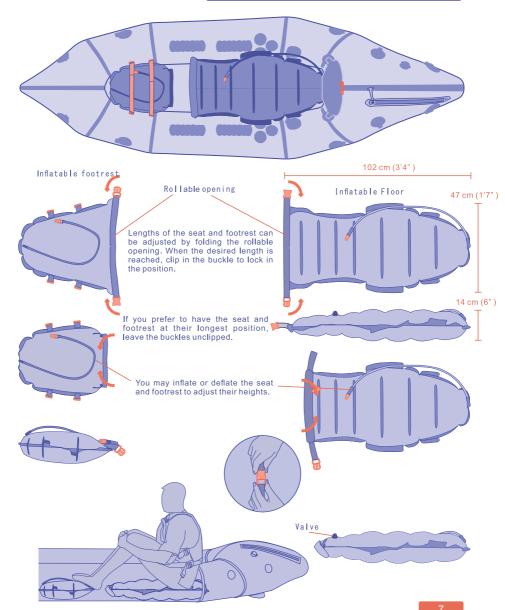


Inflatable Floor And Adjustable Footrest (Viking Model Only)

The MRS Viking Self Bailer has an adjustable & inflatable floor and footrest. It is designed with rollable openings, and the length can be adjusted.



The Viking Self-Bailer has a specially designed seat and footrest that drain water out of the boat, creating the ultimate whitewater rafting experience.



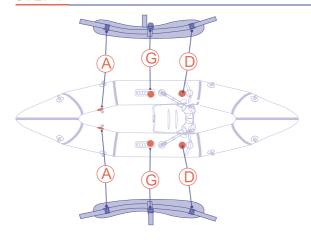
Thigh Strap

MRS has developed two types thigh straps: 3-point foam thigh strap, and 5-point thigh strap pro.

3-Point Foam Thigh Strap

STEP 1

Connecting the thigh strap



Connect the fasteners A, G and D to the hull. Pass the strap through the tie downs and make sure their connections are tight.

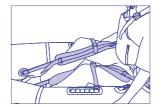
G is a hook type fastener. Please refer to the information on the following page about how to connect it.







STEP 2 Adjustment

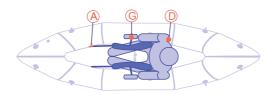


Have the paddler sit in the boat in a comfortable and natural position with knees slightly bent. Adjust the length of leg strap A and D so that the thigh strap lies firmly against the knees. Then adjust strap G's length for better control of the boat.

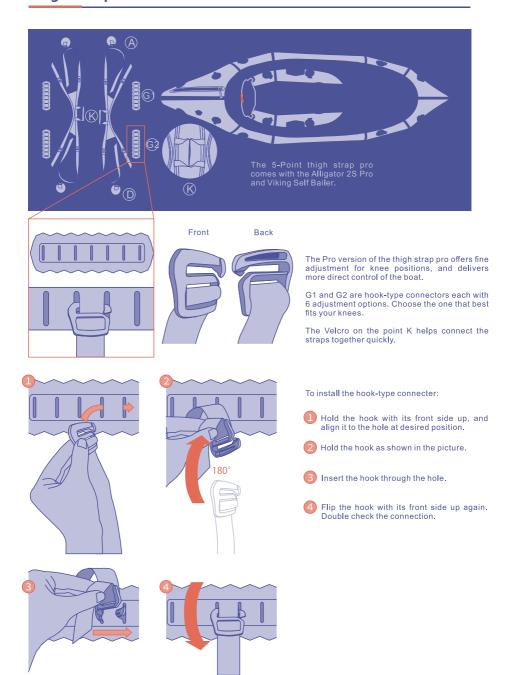
To release: Straighten knees so the thigh straps come off.



When the spray skirt installed, it is more difficult to escape if the packraft is flipped over. Be sure to practice how to escape at a safe place (such as a swimming pool) before rafting in the wilderness.



Thigh Strap Pro



W/D Type Spraydeck (Sprayskirt)

PEX pipe		
Length	65.5cm (2'2")	83cm (2'9")
Color	White	Red
Models	Alligator2S Alligator2SPRO NomadS1D BarracudaR2PRO	A ll igator2S PROXXL

The coaming frame is made of from PEX pipes and alloy pipes.

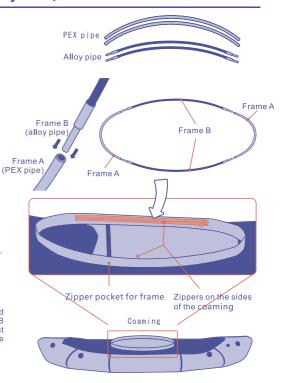
The XXL version has a larger frame size, and its spraydeck is not compatible with the normal size frame.

Step 1

Open the zippers on both sides of the coaming.

Step 2

Insert Frame A (PEX pipe) into the front and rear sleeves of the coaming, and put Frame B (Alloy pipe) on the left and right sides. Connect the pipes together to make a loop, then close the zipper.

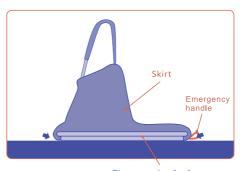


STEP 3

Install the spraydeck/sprayskirt.

STEP 4

Pull the lower part of the spray skirt onto the frame. Tighten the spray skirt and make sure it is firmly attached to the cabin.



Zipper pocket for frame



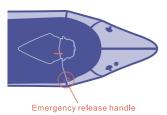


With the spray skirt installed, it is more difficult to escape if the packraft capsizes. Be sure to practice how to escape in a safe place (such as a swimming pool) before rafting in the wilderness.



The red emergency release handle must be installed outside, and must be within hands reach so that you can escape if the packraft flips over

C Type Spraydeck (Sprayskirt)



Type C spraydeck is removable when not needed. When storing the packraft, leave the C-Deck in a dry and shady place.

With the spray skirt installed, it is more difficult to escape if the packraft capsizes. Be sure to practice how to escape in a safe place (such as a swimming pool) before rafting in the wilderness.



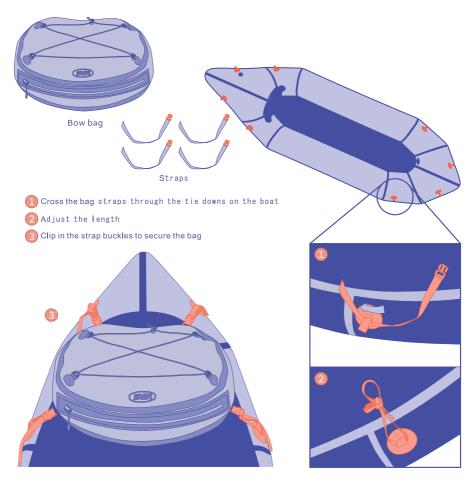
The red emergency release handle must be installed outside, and must be within hands reach so that you can escape if the packraft flips over.

Pull the emergency release handle to escape.

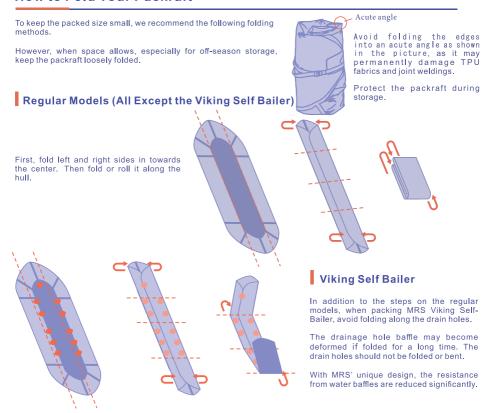
Bow Bag

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

Refer to the TIZIP maintenance section for product care.



How to Fold Your Packraft



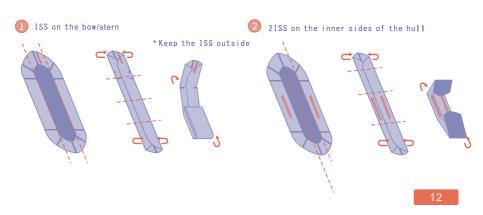
Packraft with ISS

There are two types of zippers in the MRS packrafts equipped with ISS:

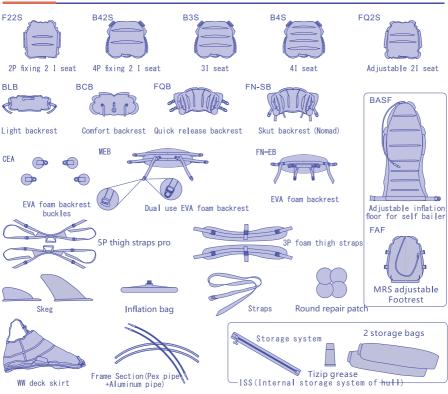
- · A single zipper at the front or rear end of the packraft.
- Dual zippers on the left & right sides, in the middle section of the hull.

Be aware of the zipper locations on your packraft, and keep the zippers straight when folding the packraft. Heavily bending the zipper may cause air leakage.

Do NOT bend the zipper when folding the packraft.



Accessories List



	Standard		$\sqrt{\ }$: standard \bigcirc : optional \times : not compatible					Optional sold separately		
MODEL	Seat	Backrest	Inflation bag	PEX/Alloy pipes	Thigh straps	ISS	Spray- deck /skirt	Adjustable footrest	EVA foam backrest (front)	EVA foam backrest (back)
Microraft	B3S	BLB	~	X	0	0	~	×	×	MEB+CEA
Microraft Extra Long	B3S	BLB	~	×	0	0	~	×	×	MEB+CEA
Alligator 2S	B3S	BCB	~	*	*	0	~	×	×	MEB+CEA
Alligator 2S PRO	B3S	ВСВ	~	*	~	*	~	×	×	MEB+CEA
Alligator 2S PRO XXL	B3S	ВСВ	~	~	~	~	~	0	×	MEB
Viking Self Bailer	BASF	ВСВ	~	×	~	0	×	~	×	MEB
Nomad S1	F22S	FN-SB	*	X	0	0	×	0	FN-EB	×
Nomad S1 D	F22S	FN-SB	V	*	0	0	~	0	FN-EB	×
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







Store in the shade



Avoid liquids from entering the hull



Recommended air pressure 210D tube fabric: 1psi 420D tube fabric: 1.5psi

Wipe with water after use. If needed, use neutral detergent only, and rinse thoroughly. Please do not

use detergents containing strong chemicals.

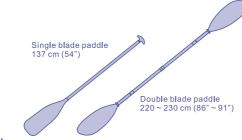
Remove any stains after using the spraydeck, and store in a dry place. Moisture will damage TPU coating and make it fall off.

Mosqueto repellents and bug sprays containing DEET may corrode plasic products, such as nylon. Don't contaminate the packraft with DEET, because DEET will leave marks on the packraft, or even damage it.

Completely dry the product in a well-ventilated, shady place before packing it for storage. Storing it under wet conditions may cause damage to the fabric.

The backrest and seat cushion are made of TPU coated nylon fabric. Prolonged direct sunlight exposure may damage the welding.

Paddle Length



This is a general guideline about the right paddle length. Taller people usually go with longer paddles. You may choose the paddle length based on your own needs. Please note that the paddle should not touch any side of the

Choose the paddle that best fits the type of your adventure: whitewater, touring, or racing.

Balance

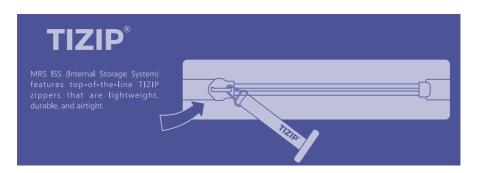


When carrying heavy objects (fully-loaded backpacks, bikes, etc.), be sure the packraft is weight-balanced between the front and rear ends.

Balanced weight distribution reduces water resistance, as well as improves packrafts' stability, which is crucial in a whitewater environment.







Structure

The TIZIP SuperSeal is tested to ensure a pressure resistance of 700 mbar (10 PSI). It is weather-resistant, and suitable for both freshwater and saltwater applications. The zipper slider can be freely moved from one side to the other, which opens & closes the packraft hull chamber for internal luggage storage.

Please avoid excessively bending the zipper because it may cause damage to the zipper and cause leaks.

Storage and transportation

Close the zipper before storing or transporting the packraft. A closed zipper protects itself from bending.

Do NOT store the packraft in a high humidity or above room temperature environment.

Dust or sand

When there is dust or sand on the zipper, it should be cleaned with soap and water immediately. Dust and sand may lower the zipper's sealing performance if they get stuck in the zipper.

A zipper free of dust or sand is important to make the packraft air-tight and keep paddlers safe. Double check the zipper system before using the packraft.

Lubrication



The TIZIP SuperSeal zippers must be lubricated from time to time along the interlocking elements and sealing lip. Periodical lubrication is crucial to the performance of the zippers. We also recommend lubricating the zippers before off-season storage.

STEP 1

Clean the zipper. Wait until it is completely dry.

STEP 2

Apply the TIZIP grease to the zipper between the joint and the front end of the slider.

STEP 3

Slide the zipper 3-5 times. Close the zipper and wipe off any excessive grease.

Repair

To have the optimal gluing work done, the repair must be done under 68 - 86 F temperature, 40% - 70% humidity, no direct sunlight and sheltered from high wind.

Preparation

















Patches

Scissors Cotton balls Adhesive primer

Adhesive (hardener)

Marker pen

Scraper/ rubber brush

Sandpaper #60-120 if no adhesive primer available

Repairing

- Deflate the packraft completely. Clean the boat. The patching surface should be clean, dry and dust-free.
- Choose the patch that matches the packraft material. Use scissors to trim the patch to the appropriate shape, with at least 25 mm (1") overlap covering the damaged area.



- Place the patch on the desired patching position, and draw a circle around it to mark the patching area. It is recommended to use a masking tape to cover places outside the patching area.
- Apply adhesive primer on the patching area. Please note that if the primer is dripped on the hull, it may leave a mark on the packraft.

When no adhesive primer is available, you may use sandpaper (#60 - 120) to prepare the patching area. Clean the surface with a dry towel after sanding, and immediately apply alue to it.

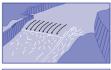


- Once the adhesive primer dries, follow the instructions of the adhesive to stick the patch on the packraft. The points below outline the general procedure of patching.
- a. Evenly apply a thin layer of glue on the packraft patching area and the patch.
- b. Leave them drying for 5-10 minutes until they become sticky. The drying time may vary depending on the environment. In humid or cold places, it takes more time to dry.
- c. To avoid uneven adhesive coating, we recommend applying another layer of glue (repeat a and b).
- d. Firmly press the patch onto the packraft for at least 3 hours.
- e. Heating the area with a hair dryer at low temperature could speed up the curing. But it may require 24 hours for the glue to cure completely.

Safety

- 1 Packrafting is a water sport associated with numerous risks and potential dangers, including serious injury or death. Before using packrafts, you must read the manual and follow the instructions.
- Always read the water before rafting. Weather may cause the water conditions to change dramatically. Do not use your packraft in dangerous places or under extreme weather conditions.
- (3) Always wear a PFD (life jacket). Helmet and gloves are also recommended.
- Do not use your packraft beyond your skill or knowledge limit. If you plan to go whitewater rafting, you must practice escaping skills ahead. The red emergency release handle on spraydeck must be installed outside, and must be in reach of your hands so you can escape if the packraft flips.
- 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 is exposed and ready to pull.

Low-head dam







Traps, especially low-head dams, are extremely dangerous which even the most experienced paddlers wearing PFDs may not be able to escape from. Serious injury or death may occur even when one wears PFD. PFD cannot save lives from such traps.

- 5 Children must be under adults' supervision when using packrafts.
- This product is not suitable for heavy-duty use due to its ultra-light fabric. Packrafts may be punctured or torn if they take physical impact such as hitting sharp rocks.
- The folded sharp edges on the packraft could be damaged during packing and storing.
- 8 Never use the packraft if it is leaking or not completely inflated.
- Even after the packraft is fully inflated, it will feel soft after entering the water. Chamber air pressure may drop when the packraft is moved from land to water, because the cold water may cool the air inside the packraft chamber. This is normal, and it is not a leak. You can refill your packraft with mouth, while you are on the water.

Warranty

All MRS packrafts come with a 3-year warranty against material and manufacturer defects, which includes, but is not limited to, abnormal leaks, wear and tear. Failures caused by manufacturing defects will be repaired or replaced free of charge.

Damages from improper use, maintenance or storage are not covered by the warranty. Commercial uses such as renting or leasing also void the warranty.

Please reach out to your local distributor for any warranty claims and services.

MRS is consistently making product improvements. We may not announce product upgrades or changes ahead of time. Weight and size measurements are all approximate, which may vary on individual products.



LIST OF DEALERS AROUND THE WORL

Australia

Web: www.packraft.com.au Email: sales@packraft.com.au

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

Belgium

Web Tel Email

: sofie@puffins.be Maaiken 40, 8300 Knokke (Belgium)

Canada

TEL: (825)994-7671

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

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Chile

Web: www.packraft.cl

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

Czech Republic

TEL: +420 608 003 461

Email : shop@kajakarshop.cz Add : KajakarSHOP.cz,Masarykova 885,

25263 Roztoky, Czech

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 TEL: +49(0)341-39281264 Email: info@packrafting-store.de

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

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

Email: daniel@furtherfaster.co.nz

Add: 57 A Buchan St, Sydenham, Christchurch 8023.New Zealand

Norway

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

Add: Packraft Norge AS, Husebykroken 26,

3280 TJODALYNG, NORWAY

Singapore

Name: QPO Packraft Web: www.qpo.sg

Email: info@qpo.sg

Sweden

Web: https://packraft-sverige.se/

Email : info@packraft-sverige.se Add : Packraft Sverige Fagerlid Angalyckan 69596 Tived Sweden

Switzerland

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6340 Baar, Switzerland

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TEL: +44 07831366645

Email: enquiries@paqualife.co.uk Facebook/Instagram:@Paqualife

USA

Web: microrafting.com TEL: +1(650)963-4820 Email: info@microrafting.com Addr: San Jose, CA, USA

MRS user manual

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