EZCONTAIN RFD
Rapid Fluid Deployment Systems

Rapid Fluid Deployment System

Owner's Manual

Thank you for your purchase of the Rapid Fluid Deployment System!

The Rapid Fluid Deployment System, or RFD, was designed to provide portable storage for water and other liquids. The design was to provide quick and easy deployment without the need for any power lift. The information contained in this manual will guide you through normal procedures of Setting up and Filling the RFD, Preparing the tank for relocation, Precautions, and Maintenance. Please contact us if you need additional information or guidance.

How to set up the RFD

- Choose a place that is large enough for the size of the system that you have.
- Make sure that the surface is free of sharp objects that could damage the bag and that the slope does not exceed 5 degrees in any direction.
- Place the clamshell with the bag rolled around it on the surface and unroll the bag.
- When you get to the end, unclip the 2 toggle clamps on each end of the clamshell and open clam shell.
- Then unhook the cam lock fitting from the plug in the clamshell.
- Fold the bag back and remove clamshell.
- You now need to connect up a valve kit and fittings that you will be using at one end.
- At the other end you'll need to put in a plug or another valve kit and other fittings that will be used from that end.

To Fill the Tank

- After the fittings are connected and checked, open the air vents.
- As the tank is getting full, liquid will start coming out of the air vents.
- Close the air vents that are venting fluid.
- When the last vent starts leaking liquid, **STOP FILLING!**
- Do not overfill/pressurize the RFD, as it could burst.
- The full tank is now ready to use as needed.

To Prepare the Tank to be Relocated

- If the RFD is a Potable Water (PW) unit, it must be dried completely on the inside before storing. (Please see the drying instructions later in this manual.)
- Drain any remaining liquid from the bag.
- Remove and stow the fittings and valves.
- The bag is symmetrical so it does not matter with which end to start.

- It is best to start with the highest end, as this way more of the liquid will be squeezed out as it is rolled.
- Position the clamshell so that the fitting in the bag lines up with the male plug in the clamshell.
- Connect up the female cam lock onto the male camlock plug in the clamshell.
- Close the camlock.
- Clip the toggle clamps on each end cap of the clamshell.
- As you begin rolling make sure that the bag stays near the middle of the clamshell.
- As you roll it up liquid may come out the other end of the bag.
- When you are finished rolling, put the straps around to hold the bag in place.
- Place a plug in the camlock fitting to keep any residual liquids from leaking out or debris from entering during transport.

- It will now be ready to load onto whatever vehicle you're using.
- Be careful lifting, as it is heavy.

Precautions

- **The area where the bag will be placed needs to be free from sharp objects** like pieces of metal, sharp rocks, etc.
- The slope of the surface needs to be **less than 5 degrees any direction**. Failure to follow this could result in the bag rolling or catastrophic failure because the pressure in the lower end of the bag could exceed the working PSI.
- It should be understood that **the full assembly could exceed 300 lb**. Care should be taken in lifting and moving the assembly around. It is designed for 4 people to move.
- **RFDs are not designed to hold pressure.** Do not overfill. When filling use the highest vent to indicate when the bag is full.

Maintenance

- Before each season and every month of use, inspect and clean the outside of the bag and clamshell.
- Inspect the rope handles and replace any damaged or frayed cord with 3/8 nylon cord. Use a figure eight knot to secure the cord.
- Inspect all screws in the clamshell for tightness and replace any that are missing with 10-32 stainless steel screws of appropriate length.

Drying Potable Water (PW) Units

- **Potable Water (PW) units need to be flushed with bleach water, then dried thoroughly with the PW blower kit.**
- After draining, fit the reducer doughnut in one end of the unit, and the blower ***(ezContain package #2004 or equivalent)*** at the other end.
- Operate the blower until the RFD is fully inflated; air will flow through the bag and out through the reducer doughnut in a controlled manner.
- After the inside of the bag is dry, roll it around the clamshell as normal.

Specifications

System Size	Overall Length	Dry Weight w/ Clamshell	Liquid Capacity
50 ft/15.24 m	62 ft/18.9 m	175 lbs/79.4 kg	4150 gal/15709 L
75 ft/22.9 m	87 ft/26.5 m	237 lbs/107.5 kg	6100 gal/23091 L
100 ft/30.5 m	112 ft/34.1 m	300 lbs/136 kg	8050 gal/30472 L

Tensile Strength	400 lbs/inch • 3500 N/5cm
Puncture Resistance	259 lbs • 1150 N
Busting Strength	780 lb • 3599 N
Temperature Range	-30°F to 158°F • -35°C to 70°C
Diameter of Bag When Filled	47 inches/1.2 m
Length of Clamshell	7 ft 6 in/2.3 m
UV Warranty	10 years

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Rapid Fluid Deployment Systems
C-fficiency Systems, Inc.
59002 Oakesdale Road • Oakesdale, WA 99158
www.ezcontain.com