

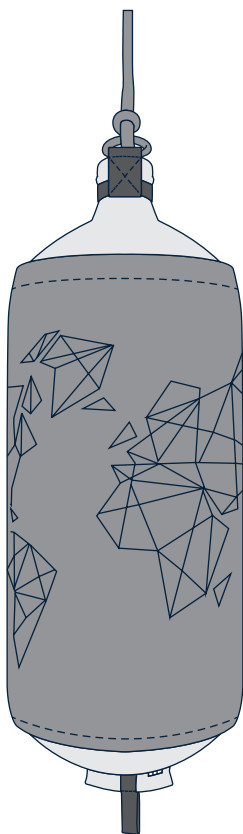


QUALITY MARINE
EQUIPMENT SINCE 1981



FENDERTEX®
INFLATABLE TEXTILE FENDERS

USERS MANUAL



www.pyiinc.com



CONGRATULATIONS!

Thank you for choosing our Fendertex Fenders for the protection of your vessel. In this manual, you will find all the tips for proper use and function of your Fendertex Fenders.

For best results, please read these instructions carefully and retain for future reference. These instructions can also be found online at www.fendertex.com

IMPORTANT!

BEFORE USING YOUR FENDERTEX FENDERS, CAREFULLY READ THE FOLLOWING WARNINGS AND INSTRUCTIONS. FAILURE TO PROPERLY FOLLOW THE WARNINGS AND INSTRUCTIONS COULD LEAD TO PERSONAL INJURY OR EVEN DEATH, OR PHYSICAL, ENVIRONMENTAL OR PROPERTY DAMAGE.

- The fender size is written on the bottom of the bladder.
- Always inflate Fendertex Fenders to the appropriate pressure indicated on Table 1. Measure the pressure according to a calibrated pressure gauge for each fender. Never underfill your fenders.
- Do not undersize your fenders. The size of your Fendertex Fender should match the size of your vessel based on our sizing guide, to ensure safe moorage. Select Fendertex Fenders according to the size of your vessel or according to their use or fender shape.
- Fendertex Fender sizes can be customized to fit your specific application or goal. If ordering a custom length or width, we recommend purchasing spare bladders as custom sizes will take longer to build replacements in the case of puncture.
- For prolonged moorage and/or the presence of strong wind, ballast your fenders (page 5-6).
- For prolonged moorage, check the pressure of fenders at least every 2 months with a calibrated pressure gauge.
- Fendertex Fenders can be stored both inflated for quick use or deflated to save space.
- All Fendertex Fenders are machine washable (page 6).
- Always air dry. Do not iron or tumble dry.
- Consider a reinforced fender cover when mooring against concrete or abrasive docks, or used on commercial vessels and vessels weighing more than 2,000 tons. More detail on page 3.
- Operating temp of 250° F to -120°F (122° C to -85°C).
- Do not use an air valve wrench on the inflation valve of Fendertex Fenders.
- Take necessary care not to puncture or cut the fender.
- The valve stem is closed when in the up position, and open when in its down position. More info under the "How to Inflate" section on page 4.
- Do not hang Fendertex Fenders horizontally without a Longside Cover. Doing so will damage the valve over time.

FENDER COMPONENTS



Image 1

GENERAL INFORMATION

MATERIALS

All Fendertex Fenders and covers are made from a knitted polyester textile. The bladder is made from polyurethane.

FENDERTEX COVERS

Fendertex Fenders do not need a cover to function correctly; however, it is highly recommended to add a cover when used on workboats or fending off abrasive concrete docks and vessels weighing 2,000 tons or more. Long Side Covers are required to hang Fendertex Fenders horizontally. The retention strap goes around the fender collar.

TEMPERATURE FLUCTUATIONS

Fendertex Fenders will not release air in temperature fluctuations like PVC fenders. The top and bottom portions will expand approximately 7% and the middle portion will not expand allowing the mid section (protective contact area) to maintain its shape during temperature changes. This helps eliminate the need of reinflating the Fendertex Fenders during temperature fluctuations.

INFLATION ADAPTER

To inflate the Fendertex Fenders, use the standard Halkey Roberts style adapter fitted on most pumps and supplied with each order (image 2). Each adapter from Fendertex has three spacers colored yellow, black, and green. Fendertex will use both black and yellow spacers. You do not need the green spacer for Fendertex Inflation. The small screw in the center of the inflation adapter must be tightened all the way down before use, or completely remove screw.



Image 2

Table 1 (DO NOT USE FENDERTEX FENDERS UNDERINFLATED)

Cylindrical Sizes	C62	C73	C84	C104	C124	C145	C175	C207	C248
Minimum Pressure	5.1 PSI	5.1 PSI	5.1 PSI	5.1 PSI	5.1 PSI	5.1 PSI	5.1 PSI	5.8 PSI	5.8 PSI

Spherical Sizes	S60	S70	S80	S100	S120
Minimum Pressure	5.1 PSI	5.1 PSI	5.1 PSI	5.1 PSI	5.1 PSI

Tubular Sizes	T52	T73	T84	T104	T124	T145
Minimum Pressure	5.1 PSI	5.1 PSI	5.1 PSI	5.1 PSI	5.1 PSI	5.1 PSI

INSTRUCTIONS

HOW-TO INFLATE

Inflation can be achieved with any hand, foot, battery, or turbine pump with a $\frac{7}{8}$ " standard Halkey Roberts style inflation adapter (image 2) capable of reaching 6 PSI. We recommend our turbine pump when a quick inflation is needed, or when inflating more than 6 fenders.

1. Remove your Fendertex Fenders from their box or storage bag and unroll them completely.
2. The inflation valve is located on the top of the fender between the two D-rings (image 1).
3. To remove the inflation valve cap, twist counterclockwise and pull the cap out.
4. Before inflating, be sure the valve stem located inside the Fendertex valve is in its upright (closed) position by compressing the valve stem and twisting it $\frac{1}{4}$ turn until it raises. When the valve stem is in its upright (closed) position, the valve will not let air out once inflated but will allow air to enter while inflating.
5. Affix the inflation adapter to the inflation pump's hose, insert the inflation adapter into the Fendertex valve and twist clockwise to lock it in place. It should not pull out.
6. Inflate the Fendertex Fenders to the appropriate pressure listed on Table 1.
7. Once inflated, twist the inflation adapter counterclockwise to remove.
8. Re-insert the valve cap into the Fendertex valve and twist clockwise locking it in place while the fender is in use.



Image 3

Indications the Fendertex Fender is inflated correctly (image 3):

- The strap around the fender collar will be rounded and flat, not twisted, and tight enough that you cannot fit your finger behind it (for sizes C84 and up).
- The collar will become rigid and will not bend easily, and the fender should feel hard.
- Use a calibrated pressure gauge to get accurate measurements as noted on Table 1.

HOW-TO DEFLATE & STORE

WARNING – DO NOT USE THE VALVE WRENCH TO DEFLATE! This can cause damage to Fendertex Fenders or cause injury.

1. Remove the inflation valve cap by twisting counterclockwise and pull the cap out.
2. Compress the valve stem and twist a $\frac{1}{4}$ turn to lock it in the downward (open) position.
3. After most of the air is out of the fender, roll the Fendertex Fender from the bottom to the top to expel all the air.

4. Compress and twist the valve stem $\frac{1}{4}$ turn to its upright (closed) position and cap the valve so air or debris does not enter the Fendertex Fender while stored.
5. Once the Fendertex Fenders are deflated and rolled up, they can be stowed in the Fendertex textile storage bag or a small cubby for later use.

CHECKING PRESSURE

Fendertex Fenders can hold pressure up to 6 months. During long term use, we recommend checking the pressure about every 2 months. To check the pressure, use a calibrated pressure gauge fitted to the inflation adapter. Add more air to the fender until it reaches the recommended pressure on Table 1.

REMOVING & REINSTALLING THE INNER BLADDER

Removing the Bladder:

Expel all air from the fender and close the valve cap. Using your thumbs on the D-rings, pull the textile away from the inflation valve and with your remaining fingers push the inflation valve from the bottom until it is sticking out of the textile layer. When the inflation valve is free, pull the entire bladder out of the textile layer.

Reinstalling the Bladder:

Roll both sides of the inner bladder to the center until it is a similar diameter as the textile layer's opening. Insert the bottom of the inner bladder into the textile layer's opening. Do not to twist or fold the inner bladder. Slide the bladder completely into the textile layer. The bladder is the same shape as the textile layer. It is important that the bladder is positioned inside the textile layer so that the sealed edges of the bladder line up with the sown edges of the textile layer and the orientation is the same. Position the inflation valve just under the hem of the textile layer's opening so it is about the same level as the seam of the hem. Inflate the fender to fully position the bladder into the textile layer.

In the case of puncture, a replacement bladder can be ordered. For custom sized fenders, we recommend purchasing spare bladders.



Image 4

BALLASTING

95% LIGHTER COMPARED TO PVC FENDERS

In the case of prolonged moorage (several months) and/or in the event of strong winds, you can add weight to your Fendertex Fender using the following methods:

Ballasting with a Weight

Insert the Fendertex Weight (shown in image 5) into the Fendertex Fender (between the bladder and the outer textile layer). Work the weight to the bottom of the fender and inflate.

----- OR -----

Pour up to 3 Liters of **Fresh** water in the fender bladder, depending on the size of the Fendertex Fender:

C52 to C73 = ½ Liter

C84 to C124 = 1 to 2 Liters

C145 to C248 = 3 Liters



Image 5

CLEANING

Both the bladder and cover of the Fendertex Fenders are machine washable, including the bladder. Before washing, close the inflation valve and the valve cap, ensuring the valve is sealed. If the D-rings are not sheathed, secure a cloth around the D-rings to prevent damaging the inside of the washing machine. Wash the fender at no more than 104° F with a standard laundry detergent. If using harsh detergents, remove the bladder and wash separately. We recommend washing about twice per year.

DRYING

Fendertex Fenders will dry in a few minutes in the sun and will not retain sea salts that can scratch the hull of the vessel. Never iron or machine dry Fendertex Fenders.



DO NOT TUMBLE DRY!!!



DO NOT IRON!!!

HANG ORIENTATION

All Fendertex Fenders come with two D-rings on the top which allows the fender to hang vertically. Sizes C73 and smaller come with a reinforced bottom loop allowing the fenders to be hung horizontally. For sizes C84 and larger, do not hang horizontally without a Longside Cover. If you wish to hang these fenders horizontally, you will need the long side cover (image 6).

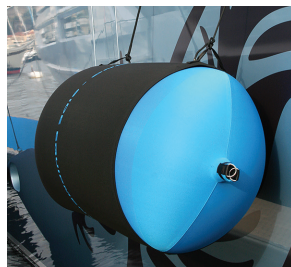


Image 6

ENVIRONMENTAL STATEMENT

Fendertex Fenders are an eco-friendly and an eco-innovative brand. We use recyclable materials during manufacturing. All unused textile, ropes and straps are reused to design bags, wallets, fender hooks, and other products for the marine industry. Manufactured with REACH-compliant materials to improve the protection of human health and the environment from risks posed by chemicals.

WARRANTY

PYI, Inc.

LIMITED WARRANTY / LIMITATIONS OF REMEDIES AND LIABILITY

3 years against color fading, manufacturing defects. All Fendertex Fenders are tested fully inflated for three days before shipping.

Grant of Limited Warranty: PYI, Inc. ("PYI") Fendertex Fenders are guaranteed to the original purchaser only to be free from manufacturer defects in workmanship or materials under normal use for a period of three years from the date of purchase. During the warranty period, all original parts subject to this limited warranty with proof of purchase as confirmed by showing the model number on original dated sales receipt are determined by PYI to be defective in materials or workmanship, will either be repaired or replaced by PYI or its authorized agent, at its sole option, free of charge, except for shipping and handling charges and dealer labor charges (if applicable), which charges are not covered by this limited warranty. The warranty on any part repaired or replaced under this limited warranty expires at the end date of the original warranty period. Such repair or replacement is subject to verification of the defect or malfunction by PYI or an authorized agent.

Limitations of Limited Warranty. This limited warranty does not apply to or cover any product that has been improperly installed, received incorrect and/or inadequate maintenance and/or care or no maintenance at all, any condition resulting from other than ordinary wear and/or any use for which the product was not designed and/or intended for, dissatisfaction due to buyer's remorse, damages incurred during transportation, damages incurred during assembly and/or maintenance, damage resulting from misuse, abuse, negligence, and/or accident, being modified and/or altered in any way and/or unauthorized repair, and normal wear and tear. In order to obtain warranty service, the PYI Fendertex Fenders, together with the bill of sale or other dated proof-of-purchase document identifying the Fendertex Fender model number, must be presented to an authorized PYI Fendertex Fender agent during the warranty period. For assistance in locating an authorized agent, please contact PYI at:

PYI, Inc.
12532 Beverly Park Road
Lynnwood, WA 98087
Phone: 425-355-3669

Except for the limited warranty expressly provided above, to the maximum extent permitted by applicable law, PYI and its agents make no warranties, express or implied, and disclaim all warranties, duties and conditions, whether expressed, implied or statutory, with respects to the PYI Fendertex Fender, including, without limitation, any implied warranties of merchantability, against latent defects, fitness for a particular purpose, or correspondence to description.

Limitation of Remedies. in the event of a breach of the limited warranty set forth above, PYI or its authorized agent will only be obligated at PYI's sole option to either repair or replace the failed Fendertex Fender. If after written notice to PYI of each defect, malfunction or other failure and a reasonable number of attempts to correct the defect, malfunction or other failure and the remedy fails of its essential purpose, PYI shall refund the purchase price paid to PYI in exchange for the return of the sold good(s). Said refund shall be the maximum liability of PYI.

THE FOREGOING REMEDY IS THE SOLE AND EXCLUSIVE REMEDY OF THE BUYER AGAINST PYI REGARDLESS OF THEORY, WHETHER ARISING IN CONTRACT, BREACH OF ANY WARRANTY, TORT, INCLUDING STRICT LIABILITY OR NEGLIGENCE, OR OTHERWISE.

Limitation of Liability: To the maximum extent permitted by applicable law, PYI and its agents expressly disclaim and exclude any liability for any incidental, special, indirect, or consequential damages resulting from any reason whatsoever. This exclusion applies to all legal theories under which damages may be sought.

Note: This limited warranty gives the buyer specific legal rights, and you may also have other rights which may vary from state to state.

- All measurements in the specifications sheet are approximate and subject to standard acceptable tolerance variation
- All specifications and pricing are subject to design improvements and change without notice

LIMITATIONS OF LIABILITY:

PYI INC, ITS AFFILIATES, DEALERS AND PARTNERS SHALL NOT BE RESPONSIBLE OR LIABLE IN ANY MANNER FOR ANY LOSS, DAMAGES, CLAIMS, OR COSTS WHATSOEVER RESULTING FROM THE USE, POSSESSION, ACCESS, OR MALFUNCTION OF PYI INC OR AFFILIATES PRODUCTS INCLUDING BUT NOT LIMITED TO; ANY SPECIAL, CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES TO PROPERTY OR EQUIPMENT OR PERSONS, ANY LOSS OF PROFITS OR LOSS IN SAVINGS, ANY DAMAGE OR LOSS FROM A BUSINESS INTERRUPTION, LOSS IN TIME, INCONVENIENCE, ANY LABOR TO REMOVE OR INSTALL OR REINSTALL OR MAINTAIN, PERSONAL INJURY, FAILURE TO MEET ANY DUTY OF CARE OR MAINTENANCE, OR CLAIMS BY A THIRD PARTY EVEN IF A PYI INC. REPRESENTATIVE HAS BEEN NOTIFIED OF ANY POSSIBLE LOSS, DAMAGES, CLAIMS, OR COSTS.

BECAUSE CERTAIN STATES AND COUNTRIES DO NOT ALLOW CERTAIN LIMITATIONS OF LIABILITY, THIS LIABILITY IS TO APPLY TO THE FULLEST EXTENT PERMITTED BY LAW IN THE APPLICABLE JURISDICTION. IN NO EVENT SHALL PYI, ITS AFFILIATES, DEALERS AND PARTNERS LIABILITY FOR DAMAGES (EXCEPT AS REQUIRED BY LAW IN THE APPLICABLE JURISDICTION) EXCEED THE ACTUAL PRICE PAID BY THE CUSTOMER TO PYI INC OR ITS AFFILIATES, DEALERS AND PARTNERS.

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