★ BAILIFF ENTERPRISES, INC. ★

THERMOPLASTIC WELDED COUPLINGS

HDPE · Polypropylene · PVDF · FNPT



Welded couplings provide secure threaded fittings for plastic tanks without the need for gaskets. They also allow for vertical pipe connections on sloped areas of the tank dome. We use thermoplastic welding to fuse couplings to the tanks.

Types & Sizes

- Polyethylene (HDPE) — 1″ to 4″ pipe size, FNPT.
- Polypropylene — 1″ to 4″ pipe size, FNPT.
- PVDF — ½″ to 6″ pipe size, FNPT.

> **Custom-fit:** We custom fit tanks with the fittings, options and accessories our customers need. Contact us to see how we can help you.

BAILIFF ENTERPRISES, INC. ◆ 305 E. Rogers Road ◆ Willis, TX 77378
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POLYPROPYLENE BULKHEADS



Screw-on POLYPROPYLENE bulkheads offer safe, quick pipe connections for standard wall plastic tanks. We use Banjo Corporation bulkheads or their equivalent for our polypropylene bulkheads. They are rated to 150 PSI. They offer left hand threads on the tightening ring to keep from loosening.

- The bulkheads are double threaded so internal piping or siphon tubes can be easily attached.. The bulkheads use Nation Pipe Threads (NPT).
- These bulkheads are all available with EPDM, FPM (Viton) or Buna gaskets. Other gasket materials may optionally be sourced.
- They are available in 1/2", 3/4", 1", 1-1/2" 2", 3" and 4" pipe sizes.

When connecting threaded fittings, be sure to use Teflon (PTFE) impregnated plumbers paste rather than Teflon tape. Teflon tape can bunch up an cause a fitting to crack.

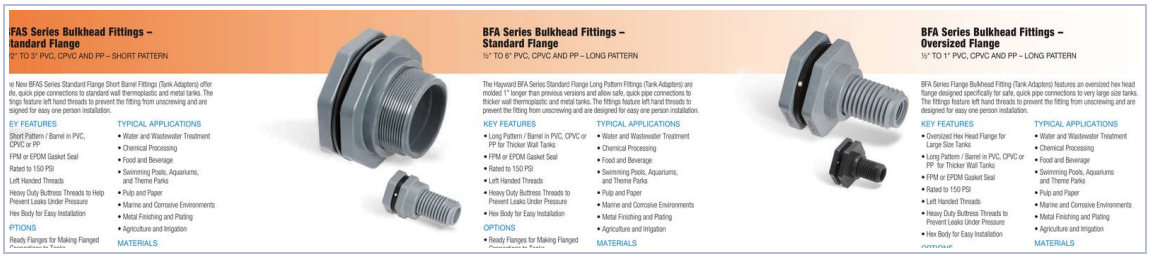
Be careful not to over tighten pipes connecting to the bulkheads.

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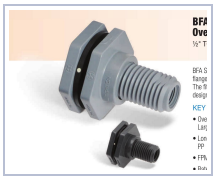
POLYPROPYLENE BULKHEADS





BFAS Series Bulkhead Fittings – BFA Series Bulkhead Fittings – BFA Series Bulkhead Fittings – Standard Flange Standard Flange Oversized Flange

1/2" TO 3" PVC, CPVC AND PP – SHORT PATTERN ½" TO 6" PVC, CPVC AND PP – LONG PATTERN ½" TO 1" PVC, CPVC AND PP – LONG PATTERN



The New BFAS Series Standard Flange Short Barrel Fittings (Tank Adapters) offer The Hayward BFA Series Standard Flange Long Pattern Fittings (Tank Adapters) are BFA Series Flange Bulkhead Fitting (Tank Adapters) features an oversized hex head safe, quick pipe connections to standard wall thermoplastic and metal tanks. The molded 1" longer than previous versions and allow safe, quick pipe connections to fl ange designed specifi cally for safe, quick pipe connections to very large size tanks. fi ttings feature left hand threads to prevent the fi tting from unscrewing and are thicker wall thermoplastic and metal tanks. The fi ttings feature left hand threads to The fi ttings feature left hand threads to prevent the fi tting from unscrewing and are designed for easy one person installation. prevent the fi tting from unscrewing and are designed for easy one person installation. designed for easy one person installation.

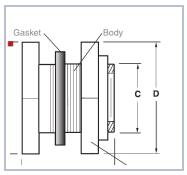
KEY FEATURES TYPICAL APPLICATIONS KEY FEATURES TYPICAL APPLICATIONS KEY FEATURES TYPICAL APPLICATIONS

- Short Pattern / Barrel in PVC, • Water and Wastewater Treatment • Long Pattern / Barrel in PVC, CPVC or • Water and Wastewater Treatment • Oversized Hex Head Flange for • Water and Wastewater Treatment CPVC or PP PP for Thicker Wall Tanks Large Size Tanks
- Chemical Processing • Chemical Processing • Chemical Processing
- FPM or EPDM Gasket Seal • FPM or EPDM Gasket Seal • Long Pattern / Barrel in PVC, CPVC or
- Food and Beverage • Food and Beverage • Food and Beverage

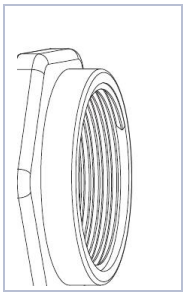
PP for Thicker Wall Tanks

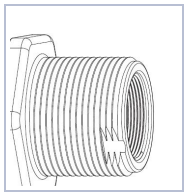
- Swimming Pools, Aquariums, • Swimming Pools, Aquariums, • Swimming Pools, Aquariums
- FPM or EPDM Gasket Seal
- Left Handed Threads and Theme Parks • Left Handed Threads and Theme Parks and Theme Parks
- Rated to 150 PSI
- Heavy Duty Buttress Threads to Help • Pulp and Paper • Heavy Duty Buttress Threads to • Pulp and Paper • Pulp and Paper
- PVC Cell Class 12454 per • PVC Cell Class 12454 per • PVC Cell Class 12454
- Ready Flanges for Making Flanged

ASTM D1784 ASTM D1784 per ASTM D1784

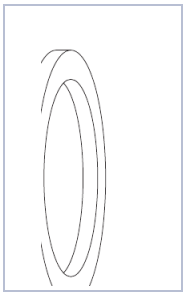


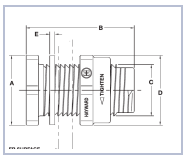
Connections to Tanks





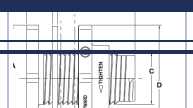
CPVC Cell Class 23447 • CPVC Cell Class 23447 • CPVC Cell Class 23447 per ASTM D1784 per ASTM D1784 per ASTM D1784







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PVC BULKHEADS



Screw-on PVC bulkheads offer safe, quick pipe connections for standard wall plastic tanks. We use Hayward Schedule 80 BFA series bulkheads or their equivalent for our PVC bulkheads. They are rated to 150 PSI. They offer left hand threads on the tightening ring to keep from loosening.

- The bulkheads are available in Thread by Thread (TxT), Thread by Socket (TxS) and Socket by Socket (SxS) variations. Our default is Thread by Thread unless otherwise specified. The threaded bulkheads use Nation Pipe Threads (NPT).
- These bulkheads are all available with EPDM or FPM (Viton) gaskets. Other gasket materials may optionally be sourced.
- They are available in 1/2", 3/4", 1", 1-1/2" 2", 3" 4" and 6" pipe sizes.

When connecting threaded fittings, be sure to use Teflon (PTFE) impregnated plumbers paste rather than Teflon tape. Teflon tape can bunch up an cause a fitting to crack.

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SANITARY TRI-CLAMPS





When Sanitary Tri-Clamps are the preferred fitting, we use a combination of welded couplings and Tri-Clamp adapters.

The couplings are used to bond to the tank material and the adapters are used to change to Tri-Clamp connections. To reduce the amount of threaded surface, we can use half couplings rather than full double threaded couplings.

This fitting combination is the following types and available int sizes.

Polyethylene - 1" to 4" pipe size.

Polypropylene - 1/2" to 4" pipe size.

PVDF - 1/2" to 4" pipe size.

We custom fit tanks with the fittings, options and accessories our customers need. Contact us to see how we can help you.

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THERMOPLASTIC WELDED FLANGES



Welded flanges provide secure fittings for plastic tanks without the need for gaskets. We use thermoplastic welding to fuse flanged fittings to our tanks in a wide range of sizes.



Welded flanges are available in polyethylene, polypropylene and PVDF. Our flanges are ANSI 150# flanges. We use flat face flanges and Vanstone loose backing rings for easy fit-up to your pipes.

Polyethylene - 3/4" to 30" in diameter. Polypropylene - 1" to 10" in diameter. PVDF - 1/2" to 11" in diameter.



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PVC BULKHEAD FLANGE



Screw-on PVC bulkhead FLANGES offer safe, quick pipe connections for standard wall plastic tanks. We use Spears Schedule 80 bulkheads or their equivalent for our PVC bulkheads. They are rated to 150 PSI. They offer left hand threads on the tightening ring to keep from loosening.

- The bulkheads are available in Thread by Thread (TxT), Thread by Socket (TxS) and Socket by Socket (SxS) variations. Our default is Thread by Thread unless otherwise specified. The threaded bulkheads use Nation Pipe Threads (NPT).
- These bulkheads are all available with EPDM or FPM (Viton) gaskets. Other gasket materials may optionally be sourced.
- They are available in 1/2", 3/4", 1", 1-1/2" 2", 3" 4" and 6" pipe sizes.

When connecting threaded fittings, be sure to use Teflon (PTFE) impregnated plumbers paste rather than Teflon tape. Teflon tape can bunch up an cause a fitting to crack.

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STAINLESS STEEL BULKHEADS





Bolted Stainless Steel bulkheads offer safe, solid pipe connections for standard wall plastic tanks. We use these Stainless Steel bulkheads or their equivalent for situations where the connection may see rough use or where they will be connected to metal pipes. They are rated to 150 PSI.

- The bulkheads are double threaded so internal piping or siphon tubes can be easily attached.. The bulkheads use Nation Pipe Threads (NPT).
- These bulkheads are all available with EPDM, FPM (Viton) or Buna gaskets. Other gasket materials may optionally be sourced. We usually do not use the foam gaskets that are pictured.
- They are available in 1/2", 3/4", 1", 1-1/2" 2", 3" and 4" pipe sizes.
- These bulkheads are made with 316 Stainless Steel.

When connecting threaded fittings, recommend the use of Teflon (PTFE) impregnated plumbers paste rather than Teflon tape.

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SIPHON TUBES

Siphon Tubes are tubes that are attached internally to a sidewall bulkhead or flange. The purpose of a siphon tube is to allow you to draw more liquid from a tank.

The larger the size of your sidewall fitting, the higher the centerline of the fitting needs to be installed. This leaves some amount of liquid in the tank that will not drain out.



A siphon tube extends from your fitting down toward the bottom of the tank. A siphon tube allows you to drain all but the lowest inch or two of the liquid in your tank.

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