BAILIFF ENTERPRISES INC.

PVC BULKHEADS

Screw-on PVC bulkheads give a safe, quick pipe connection through the wall of a plastic tank. Our standard is the Hayward BFA Series long pattern bulkhead, molded from Schedule 80 grade PVC. PVC is a good, economical choice for water, brines and many acids and caustics at ambient temperature.

The nut has left hand threads, so it will not back off, and heavy buttress threads help prevent leaks under pressure. A hex body lets one person install it.

1/2"–6"	150 psi	NSF 61
Pipe sizes	@ 70°F, non-shock	Drinking water (EPDM)



Hayward BFA Series PVC bulkhead

WHY CUSTOMERS CHOOSE IT

- **Drinking water ready**
  PVC with EPDM gasket is certified to NSF/ANSI 61 & 372 for potable water.
- **Leak resistant**
  Heavy-duty buttress threads and a thick EPDM or FKM gasket.
- **Your connection**
  Thread × thread (FNPT) standard. Socket × thread and socket × socket available.
- **Stays tight**
  Left hand threads keep the nut from unscrewing.
- **Thick tank walls**
  Long pattern body, about 1" longer than standard, fits walls up to 2" (3.25" on 6").
- **Your gasket**
  EPDM for water, mild acids and caustics; Viton® (FKM) for oils, solvents and strong acids.

PRESSURE VS. TEMPERATURE

Temperature	70°F	100°F	120°F	140°F
Max. working psi	150	125	105	85

Hot liquid? PVC loses strength as it warms and Hayward rates it to zero pressure at about 150°F. Above 120°F we usually recommend **CPVC**.

Our default is thread × thread (FNPT) with an EPDM gasket. Use PTFE paste, not PTFE tape, on threaded plastic joints; tape can bunch up and crack the fitting.

Pressures read from Hayward's BFA operating chart, non-shock. Your tank's own rating may be lower.

TYPICAL USES

- Water and wastewater treatment
- Agriculture and irrigation
- Food and beverage water systems
- Chemical processing and storage
- Metal finishing and plating
- Pools, aquariums and water features

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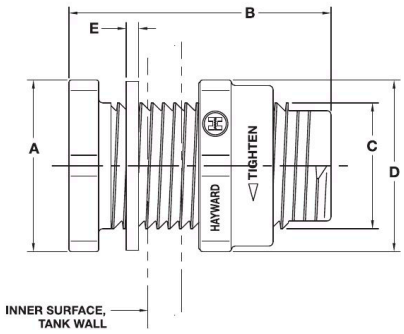
PVC BULKHEAD SPECIFICATIONS

HAYWARD BFA SERIES · LONG PATTERN

Material	PVC, cell class 12454 per ASTM D1784
Sizes	1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 3", 4", 6"
End connections	Thread × thread (FNPT), socket × thread, socket × socket
Gaskets	EPDM or FKM (Viton®)
Pressure rating	150 psi @ 70°F, non-shock
Certification	NSF/ANSI 61 & 372 (PVC with EPDM gasket)
Threads	Left hand buttress threads on body and nut
Options	Flanged connection (bulkhead flange)



Dimension key

MINIMUM INSIDE RADIUS OF TANK

Size	Min. rigid tank radius	Min. flexible tank radius	Max. wall thickness
1/2"	7.25"	6.50"	2.08"
3/4"	10.00"	9.25"	2.08"
1"	11.75"	10.70"	2.08"
1-1/4"	16.25"	12.19"	2.00"
1-1/2"	16.25"	12.19"	2.00"
2"	25.75"	19.38"	2.00"
3"	30.00"	25.25"	2.12"
4"	60.00"	55.00"	2.45"
6"	114.00"	97.00"	3.25"

The flange must seat flat against the tank wall. A larger fitting needs a larger tank. On small tanks, or on a dome or cone, ask about our self-aligning bulkheads.

DIMENSIONS (INCHES)

Size	A across flats	B overall length	C install hole	D across flats	E gasket thickness
1/2"	2.00	3.75	1.38	2.00	.19
3/4"	2.38	3.88	1.63	2.38	.19
1"	2.56	3.88	1.88	2.56	.19
1-1/4"	3.25	4.00	2.65	3.25	.19
1-1/2"	3.25	4.00	2.65	3.25	.19
2"	4.38	4.25	3.25	4.38	.25
3"	6.00	4.65	4.50	6.00	.25
4"	8.75	5.75	5.75	8.75	.25
6"	12.00	8.00	8.06	12.00	.31

A and D are across flats: 1/2" to 2" hexagon, 3" to 6" octagon.

Data: Hayward BFA Series data sheet and Bulkhead Fitting Product Guide. Hayward is a trademark of Hayward Industries, Inc.; Viton of Chemours. Subject to change.

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