INTERNAL BLADDER
For
Bladder Tank Proportioning Systems
NPR025

- UL162 Approved, High Tensile Pressure Formed Seams
- Compatible with All National Foam Foam Concentrates
- Assembled Via Seam Fusion Process without Adhesives
- Custom Sizes Available

Description

The National Foam Bladder is an integral component of the Balanced Pressure Bladder Tank Proportioning System, which requires no external power other than an adequate water supply. The internal bladder provides a physical barrier which prevents the foam concentrate from coming into contact with the water held inside of the tank shell, both in a static ready state and during actuation, whereby water pressure squeezes the bladder externally pushing the foam concentrate contained within the bladder into the foam system's foam/water proportioning device. The bladder protects and preserves the foam concentrate from the effects of evaporation and deterioration, eliminating the need for seal oil as sealing barrier between the foam concentrate and air. The bladder is supplied with injection molded single piece anchoring nozzles offering optimal size, shape and fit

Features

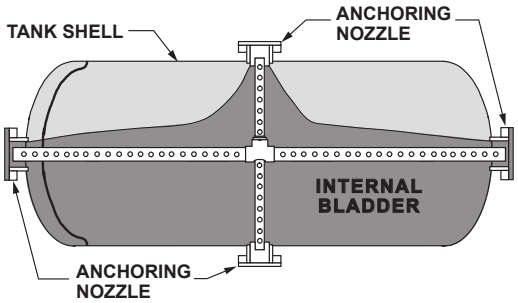
- Compatible with all National Foam foam concentrates
- UL Approved
- Homogeneous thermo plastic construction
- No wicking or delamination of fabric reinforcement
- Single piece injection molded anchoring nozzles

MOLDED SEAM

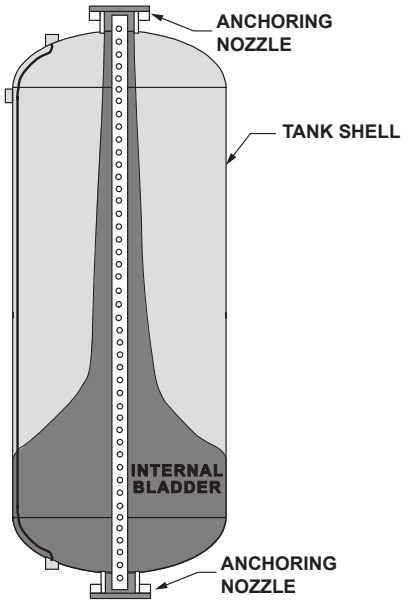
MOLDED NOZZLE

Technical Specifications

The National Foam internal bladder is constructed of proprietary elastomeric material with excellent strength and superior chemical resistance. The flexible, fully vulcanized thermoplastic elastomer blend has no plasticizers or phthalates to leach out. All seams are assembled without adhesives using a thermal bonding process, leaving no weak points and/or gaps filled with adhesive in the bladder construction. Standard nozzle sizes are of single piece injection molded construction. All National Foam internal bladders are UL approved for use with National Foam concentrates.



TYPICAL HORIZONTAL INSTALLATION
(Shown Empty)



TYPICAL VERTICAL INSTALLATION
(Shown Empty)

REPLACEMENT BLADDER ORDERING FORM

Gallon Tank _____ **Horizontal Tank** _____ **Vertical Tank** _____

IMPORTANT: Entire form must be filled in in order to provide the correct information necessary to build the replacement bladder. Bladders will not be manufactured until entire form is completed and submitted.

_____ Tank Manufacturer Name

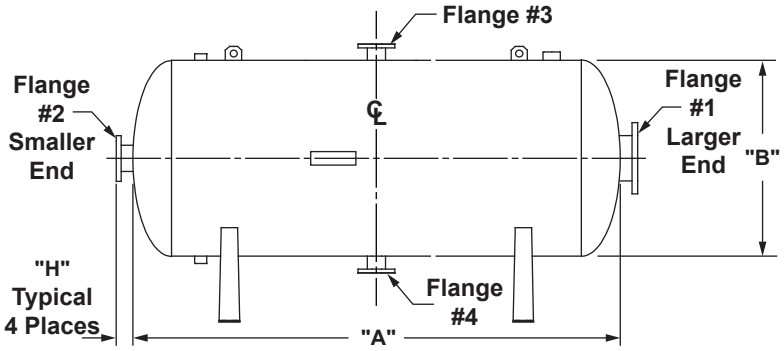
_____ Tank Assembly Part Number

_____ Tank Assembly Serial Number

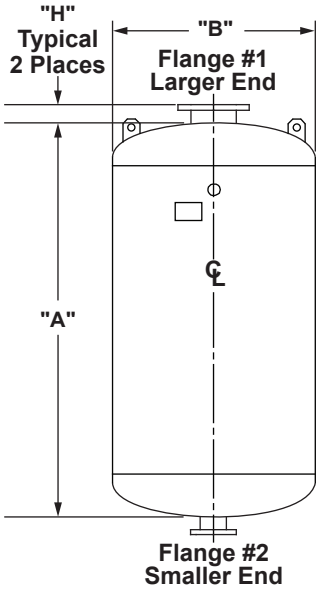
_____ Tank Shell NBR Number

_____ Tank Shell Manufacturer

_____ Tank Shell Serial Number



Horizontal Bladder Tank



Vertical Bladder Tank

Measurement "A" (Head to Head)	″
Measurement "B" (Diameter)	″
Measurement "H" Ends (Head to Flange Face)	″
Measurement "H" Top & Bottom (Head to Flange Face)	″

Flange Size		Flange Orientation (Check One for Each) Straddled	Aligned
Flange #1	″		
Flange #2	″		
Flange #3	″		
Flange #4	″		

Straddled Bolt Holes Not in Alignment with Centerline

Aligned Bolt Holes Aligned with Centerline

Flange Size Information			
4″	6″	8″	10″
9″ O.D. 7 1/2″ Bolt Circle	11″ O.D. 9 1/2″ Bolt Circle	13-1/2″ O.D. 11-3/4″ Bolt Circle	16″ O.D. 14 1/4″ Bolt Circle

_____ / _____ / _____ / _____

Person Completing Form **Company** **Position** **Contact Number**

9/23 NPR025 (Rev D)

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