

FOAM SEAL SPHERES NFC940

- Serves As A Sealing Barrier Between Foam Concentrate And Air
- Reduces The Effects Of Evaporation And Concentrate Deterioration
- Maintenance Free Easy to Install
- Recommended For Fluorine Free Foam Concentrates (Synthetic)



Description

Foam Seal Spheres are hollow plastic spheres floated on top of atmospheric storage tanks, creating an effective vapor barrier used to slow foam concentrate evaporation.

The 1-1/2" diameter polypropylene spheres are maintenance free, easy to install and rise and fall with foam concentrate level. They will cover 91% of surface area with a single layer and an additional 30% with a second layer. The foam seal spheres are sized to prevent entry into pump inlet openings associated with NF poly tanks.

spheres are made The from polypropylene material that meets FDA requirements, are chemical resistant, do not absorb liquids and withstand continuous working temperature of 220° F (104° C).

In order to get the maximum coverage National Foam recommend 2 layers be installed in order to close the openings left by a single layer.

See page 2 for the table which shows how many foam seal spheres are needed for 2 layers for specific tank diameters (23in - 143in).

Customers will order the quantity needed associated with the diameter of their tank.

Foam Seal Spheres are not recommended for apparatus concentrate tanks or tanks subjected to excessive vibration or agitation. These types of tanks should be kept as full as possible to minimize evaporation. It is not recommended to apply Foam

Seal Spheres to concentrate stored in original factory containers.

Refer to NFTB240 Foam Concentrate Storage and Preservation Procedure for further storage recommendations.

Specifications

Size	1-1/2″
Sphere Weight	4 grams
Wall Thickness	1.2 mm
Diameter Tolerance	± .25 mm(.010 in)
Max. Operating Temp	220°F(104°C)
Surface Coverage - pcs	/ft ² 70

Foam Seal Sphere Calculations

Vertical Tanks (Circular Surface Areas)

[3.14 x (Tank Diameter (in)/ 2)²]/144 x 70 balls/ft² x 2 Layers =Number of Balls Needed

Horizontal Tanks (Rectangular or Square Surface Areas)

Contact National Foam Engineering Dept.

ORDERING INFORMATION

CONTAINER

Box of 500 (Order by Quantity Required by Table) PART NUMBER

1140-1350-1



FOAM SEAL SPHERES

NFC940

NF Poly Tank Details			Foam Seal Sphere Box Quantities (2 Layers)	
Capacity	Diameter (in)	Exposed Surface Area (Ft ²)	Exposed Surface Area (M ²)	1-1/2" Dia (38mm)
55	23	2.88	0.27	1
65	23	2.88	0.27	1
100	23	2.88	0.27	1
150	31	5.24	0.49	2
200	31	5.24	0.49	2
300	46	11.54	1.07	4
550	48	12.56	1.17	4
800	48	12.56	1.17	4
900	64	22.33	2.07	7
1150	64	22.33	2.07	7
1400	64	22.33	2.07	7
1900	86	40.32	3.75	12
2250	96	50.24	4.67	15
2400	86	40.32	3.75	12
2600	96	50.24	4.67	15
2750	96	50.24	4.67	15
3800	94	48.17	4.47	15
4000	143	111.48	10.36	34
4900	105	60.10	5.58	18
5200	110	65.96	6.13	20
5350	96	50.24	4.67	15
5900	120	78.50	7.29	24
6250	105	60.10	5.58	18
8100	143	111.48	10.36	34
10100	143	111.48	10.36	34
11900	143	111.48	10.36	34

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