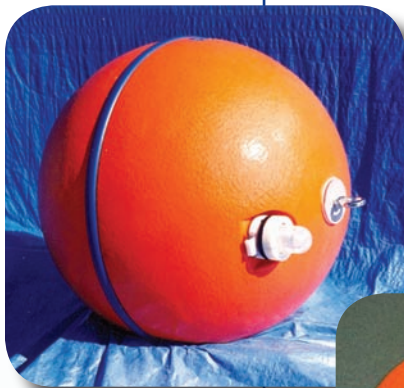


Hydro-Float™ Mooring Buoys



High Performance Subsurface Flotation

Flotation Technologies' subsurface mooring buoys provide exceptionally reliable buoyancy for a variety of oceanographic, commercial, military and offshore applications. Made from low-density Flotec™ syntactic foam or Sphere-lite™ composite foam, Hydro-Float™ Mooring Buoys (HMB) offer a low-maintenance and cost-effective solution for subsurface moorings and other offshore applications.

HMBs are more versatile and reliable than conventional hollow glass or metal floats. The buoys may be cast with through holes and instrumentation pockets on any axis without compromising their strength because of their solid construction. Clamps and mounting hardware can be designed and fabricated for any user-supplied instrumentation.

A Variety of Low Drag Designs

HMBs come in many standard sizes and can be customized to meet specific needs. While spheres are used in a wide range of flow regimes, streamlined designs, like our StableMoor, are also offered further reducing drag on moorings in high current areas. Buoys can be fitted with integral tail fins providing stability, and improving the quality of the data return while minimizing stress on rigging.

**FLOTATION
TECHNOLOGIES**

A company with depth

Flotation Technologies, Inc. is a world leader in the engineering, design and manufacture of deepwater buoyancy systems using high-strength Flotec™ syntactic foam and polyurethane elastomers.



US Headquarters:
20 Morin St., Biddeford, ME 04005, U.S.
1.800.639.7806 • +1.207.282.7749
www.flotec.com

Hydro-Float™ Mooring Buoys



Purpose Built for Hardware & Instrumentation

Buoys are offered with a full range of depth ratings up to 7000m and can be configured for instrumentation packages and specialized mooring hardware. Removable hardware assemblies are available in Type 316L stainless, galvanized steel and titanium depending on the service and load rating requirements.

HMBs are manufactured to outperform and outlast conventional mooring flotation. Unlike glass or metal spheres, syntactic foam buoys will not corrode, leak or implode. They provide years of reliable service and require a minimum amount of maintenance. A variety of optional coatings are offered such as fiberglass, polyethylene and urethane elastomer, and are selected based on the demands of the application.

BUOYANCY

Buoy Diameter	500M		1500M		2000M		3000M	
	Lb	Kg	Lb	Kg	Lb	Kg	Lb	Kg
HMB-30" / 762mm	271	123	233	106	218	99	200	91
HMB-32" / 813mm	340	154	291	132	272	123	250	113
HMB-36" (RM) / 914mm	475	215	408	185	383	173	352	159
HMB-37" / 940mm	529	240	454	206	425	192	390	177
HMB-40" / 1016mm	678	307	581	263	544	246	500	226
HMB-45" / 1143mm	960	435	824	373	772	350	709	321
HMB-48" (RM) / 1219mm	1146	520	985	446	924	419	850	385
HMB-49" / 1245mm	1244	564	1067	484	1000	453	919	417
HMB-51" / 1295mm	1404	637	1205	546	1130	512	1038	470
HMB-57" / 1448mm	1958	888	1680	762	1574	714	1447	656
HMB-62" / 1575mm	2525	1145	2168	983	2032	921	1867	847

These are standard sizes and depth ratings. Others are available on request.



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