

CURD BUOYS

“The best external ballast is actually INTERNAL ballast!”

-Long Term Customer

From the Center of Flotation Innovation

CURD BUOYS 2016

Performance Shootout: Internal vs. External ballast buoys

Choosing the right buoy is half of the battle when designing a waterway marking or barrier system. We get questions from across the U.S., regarding internal vs. external ballast buoys, their uses and best applications for each.



The invention of external ballast allowed buoys to ride vertically in stronger currents and wind conditions. This was a great innovation, however, these new buoys were plagued with issues due to debris collecting on the exposed ballast and the vulnerability of the non-encapsulated weight and tackle attachment point below the waterline.

After an intensive study of force vectors, wave dynamics and a righting motion analysis, a new line of internally ballasted buoys was developed and released. These perform with the

stability of an externally ballasted buoy, and with the unique ability to self-regulate debris buildup.

A deep, yet encapsulated ballast, low profile mooring attachment point and the ability to self-regulate debris pile up has made these buoys very popular.

“We always recommend an internal ballast.”

-Deborah Herbert
President, Curd Buoys

When choosing internal or external ballast buoys, we always recommend internal ballast if longevity and maintenance-free performance is of interest to you.

Thank you for choosing CURD BUOYS and stay safe on the water this boating season y'all.

