

River Buoy

VPC400/800

SeaHow[®]
by MeriTaito



Optimization through mathematical modeling

River Buoy VPC400/800 is specially designed to be used as navigation buoy in rivers and coastal areas with heavy current. Tilting remains less than 10 degrees even in the current of 4 knots.

VPC400/800 has optimal features to be used in river channels. Possible collisions with vessels will not damage either. This is due to hit-tolerant elastic body and relatively light weight of the buoy.

The buoy is deployed in conventional way by sinker, slack chain and side mooring eye. The high performance radar reflector inside, effective retro-reflector and bright colors make it easy to detect.

The buoy can be equipped with any lantern with less than 4 kg in weight.



Area of use

River channels
Areas with tidal current
Estuaries

Spars and buoys since 1976

Specifications

*) can be adjusted according to customer needs

Overall length *)	3.5 m	Retro reflector	330 cm ² (3M diamond)
Diameter	400/800 mm	Radar reflector	Trihedral TH400
Draft *)	1.5 m	Radar cross area RCS	3.4 m ² (X-band)
Wall thickness	15/30 mm	Surface color	IALA-E108
Polyethylene material	HD 100 extruded pipe	Color and UV stability	26 years (lat. 50)
Polystyrene filling	EPS 150 closed shell	Mooring sinker weight	2 - 4 ton
Dry weight without ballast	200 kg	Maximum current	4 kn/10 deg tilting
Required ballast weight	126 kg	Maximum wave height	2 m (significant)
Buoyancy at MSL	326 kg	Lantern *)	Sabik as default
Focal plane at MSL *)	2.0 m	Battery capacity *)	220 Ah
Nautical conspicuity	2 NM	Top Mark	Optional

We can customize the buoys for your needs

