

Ice Buoy Maxi

PV800

SeaHow[®]
by Arctia



The only ice proof tested buoy in the market

Ice Buoy Maxi PV800 has proven track record of successfully being used in arctic areas. It provides robustness and conspicuity that is equal to conventional steel buoys, but much more maintenance-free years.

PV800 is normally moored with taut chain which gives superior accuracy for the buoy location. Taut mooring is also advantageous when considering the survival among the ice.

The buoy can be equipped with any ice lantern and primary battery in the market. Additional instrumentation and sensors of any kind can be encapsulated inside the buoy body.

For tidal areas we recommend the use of Offshore Buoy VPU800 which is similar type of buoy but deployed conventionally with slack chain.



Area of use

Rough arctic sea areas
Narrow channels
Smart Buoy solutions
Platform for various use

Specifications

*) can be adjusted according to customer needs

Overall length *)	10.2 m	Retro-reflector	380 cm ² (3M diamond)
Diameter	800 mm	Radar reflector	Trihedral TH800
Draft *)	6.2 m	Radar cross area RCS	124 m ² (X-band)
Wall thickness	30 mm	Surface color	IALA-E108
Polyethylene material	HD 100 extruded pipe	Color and UV stability	26 years (lat. 50) on main surfaces
Polystyrene filling	EPS 150 closed shell	Mooring sinker weight	10 - 15 ton
Dry weight without ballast	1192 kg	Maximum current	2 kn
Chain load at MSL	1454 kg	Maximum wave height	6 m (significant)
Buoyancy at MSL	2646 kg	Lantern *)	Sabik as default
Focal plane at MSL *)	4.0 m	Battery capacity *)	220 or 1000 Ah
Nautical conspicuity	4 NM	Top Mark	Optional

We can customize the buoys for your needs

