

**All Purpose inflatable buoys and fenders**  
**Heavy Duty Fenders**  
**FlowSafe Hose Flotation Devices**  
**Norfloat EMERGENCY TOWING SYSTEM BUOY**  
**Anchor buoy lamp Winko and Consta**

**Polyform**  
**Norfloat**



**Polyform heavy duty fenders F series.**

Heavy duty twin-eye seamless fenders. Very flexible, soft and strong.  
 Supreme control over the fusion process and guarantees an absolute even wallthickness.  
 Resistant to all weather conditions.  
 High energy absorbtion. Suitable for ships up to 1500 DWT  
**Never exceed the 0,15 Bar!!!**

Available in white and navy blue colour



Number	Type	Vol= Itr	L=mm	D=mm	Eye=mm	Weight in kilo
025001	F01	5,3	560	130	18	0,75
025002	F1	8	610	150	22	1,00
025003	F02	15	660	200	25	1,65
025004	F2	16	610	220	28	1,75
025005	F3	22	745	220	28	2,10
025006	F4	35	1040	220	28	2,90
025007	F5	35	775	290	28	3,00
025008	F6	60	1090	290	28	4,20
025009	F7	85	1020	375	28	5,30
025010	F8	135	1450	375	28	7,60
025011	F11	275	1455	590	28	10,50
025012	F13	700	1880	750	40	23,00

**PAY ATTENTION:** using the fender as a floatation device the maximum load weight is 60% of the volume number.  
 If the load weight will exceed this the fender will dissapear under the water level.

**Fenderprotection cover made of blue or black polyester wire for F series fenders**

Number	Color	Number	Color	For type
025001Z	Black	025001B	Blue	F01
025002Z	Black	025002B	Blue	F1
025003Z	Black	025003B	Blue	F02
025004Z	Black	025004B	Blue	F2
025005Z	Black	025005B	Blue	F3
025006Z	Black	025006B	Blue	F4
025007Z	Black	025007B	Blue	F5
025008Z	Black	025008B	Blue	F6
025009Z	Black	025009B	Blue	F7
025010Z	Black	025010B	Blue	F8
025011Z	Black	025011B	Blue	F11
025012Z	Black	025012B	Blue	F13



**Polyform all purpose bouy serie A**

Fender with rib-reinforced ropehold. Produced from the best marine grade vinyl material. Designed for commercial use in marine, fishing and dredging.

Number	Type	L=mm	D=mm	Eye=mm	Weight in kilo	Volume liter	Floatation kilo
025020	PA0	325	230	18	0,65	5,7	3,4
025021	PA1	390	300	22	1,15	13,0	7,8
025022	PA2	500	395	25	2,10	32,0	19,2
025023	PA3	605	475	28	3,10	52,0	31,2
025024	PA4	720	580	28	4,10	90,0	54,0
025025	PA5	940	740	28	8,30	215,0	129,0
025026	PA6	1190	930	35	11,30	405,0	243,0
025027	PA7	1420	1100	60	23,0	670,0	402,0



Standard supplied in red with blue eye  
Option in white with blue eye



**PAY ATTENTION:** using the fender as a floatation device the maximum load weight is 60% of the volume number. If the load weight will exceed this the fender will dissappear under the water level.

**Polyform FlowSafe**

FlowSafe hose flotation devices are used in various fields of marine activities, such as offshore oil and gas industries and port facilities. Transfer of fluid at sea is often associated with serious problems, especially in severe weather. During discharge, the hose sinks as it fills with water, slurry or whatever is being pumped trough the hose. Even slight movement of the vessel can cause the hose to come in contact with the propeller. The consequences arising from a broken hose can be extreme. Contamination due to spillage, destruction of the hose requiring repair or replacement at considerable cost that could have been avoid. Damage to the supply ship putting it out of operation.

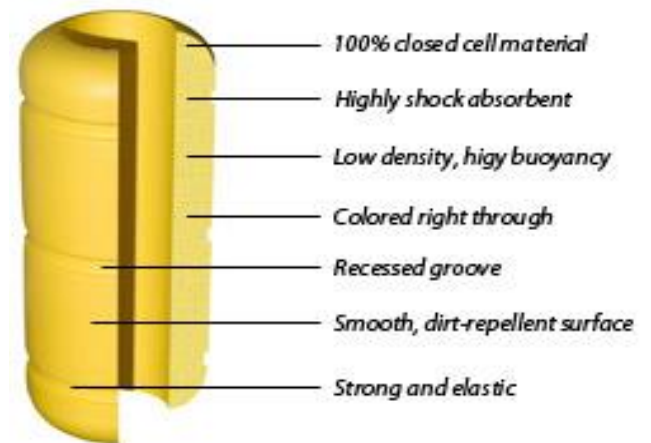
FlowSAfe produced from environmentally friendly Bacell material. This is a Ethylene, vinyl acetate (EVA).

Bacell is highly shock absorbent, strong and elastic material with 100% watertight cells.

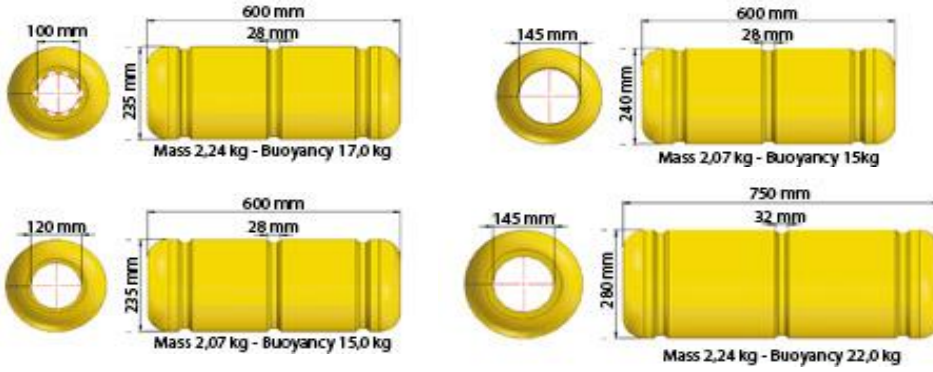
Relative to its strength Bacell has very low density, resulting in high buoyance. The highest possible degree, the out-standing elasticity of the Bacell material prevents FlowSafe from shrinking, deforming or breaking.

Charging is much simpler and safe.

Number	Type	Length Inch	OD Inch	ID Inch	Groove Inch	Mass Pounds	Buoyancy Punds
025070	3	23,62	9,25	3,94	1,10	4,93	37,5
025071	4	23,62	9,25	4,72	1,10	4,56	33,0
025072	5	23,62	9,45	5,70	1,10	4,56	33,0
025073	5L	29,35	11,02	5,70	1,26	4,56	48,5



**Polyform Flowsafe dimensions:**



**Norfloat EMERGENCY TOWING SYSTEM BUOY**

Designed by Norfloat International, the emergency towing system buoy (ETS) is a flexible PVC moulding filled with closed cell foam. The buoy has a programmable LED flashing lamp activated by a photocell switch for automatic operation.

When required, the buoy is deployed through a standard Panama fairlead for ETV retrieval. The buoy and pennant line are taken on board the ETV enabling a towing cable to be transferred from the ship to the ETV.

The concept of this product is very simple, making it easy and reliable to use. As of 2012 all vessels over 20.000 DWT are required to have an ETS in place. The Norfloat ETS buoy simplifies tow line retrieval by day or night.

- UV stable PVC outer skin
- Foam filled (closed cell structure)
- Hot-dipped galvanised steel swivel and centre rod
- Fitted with Jotron new enhanced ML-100 High intensity LED
- SW-adjustable light-intensity
- SW-programmable flash-rate
- SW-adjustable daylight-switch
- Uses 3x Alkaline batteries D-cell, total of 4,5VDC
- Module-based construction, facilitating and necessary service or repair.
- Light reflective tape

**LED specifications:**

- Housing of ABS
- Lens of Lexan
- LED light system Yellow
- Light intensity 5- or 15 Cd Candela
- Surface range 2 or 3 NM (Nautical Miles)
- Waterproof down to 200 metres
- On/Off daylight-sensor with magnet/reed contact
- Flash rate 25-flash
- Software programming: flafh rate, light-intensity and sync
- Batteries 3 D-cell
- Lens colour clear



Number	Description
025100	Norfloat Emergency Towing System Buoy

**Other types of offshore and marine buoys are available on request.**



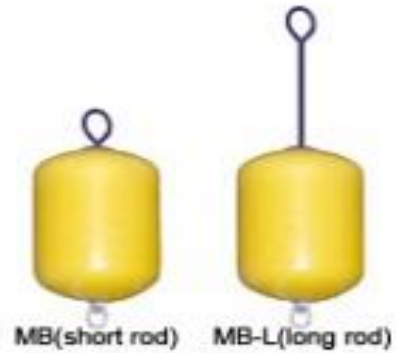
**Polyform anchor buoys MB-Series**

The Polyform MB-series anchor buoys are mainly used for mooring, marking of fishing gear and cables pipelines and different other surface installations.

Moulded from polyethylene (PE) and filled with polystyrene foam (EPS), guaranteeing a compressive strength of 5mH2O and a density of 250 kg/m<sup>3</sup>. The buoys come complete with hot dip galvanized armature and swivel.

Number	Type	Volume Liters	Weight Bouy	Weight Armature	Buoyan. Kilo	Length Buoy	Length Armature	Diam. Buoy	Diam. Armature
025080	MB40	45	4,5 kg	2,5 kg	38 kg	43 cm	78 cm	38 cm	16 cm
025081	MB100	106	9,0 kg	3,5 kg	93 kg	59 cm	92 cm	50 cm	19 cm
025082	MB250	255	20,0 kg	5,0 kg	230 kg	102 cm	135 cm	65 cm	19 cm
025083	MB40L	45	4,5 kg	3,0 kg	37 kg	43 cm	115 cm	38 cm	16 cm
025084	MB100L	106	9,0 kg	6,0 kg	91 kg	59 cm	150 cm	50 cm	19 cm
025085	MB250L	255	20,0 kg	8,0 kg	227 kg	102 cm	200 cm	65 cm	19 cm

Available in Yellow and Red



Special marking luminaires for the anchor buoys are available as Winko (flashing) and Konsta (continuous luminating) Both luminaires providing clear white light and can be provide with a color filter. The lighthouse lamp comes standard with a normal lamp and is also available with an LED light source.

