



SAFI Application Sheet

1/ Sector / Application:

Sector: MARINE

Applications:

- Fresh water
- Engine cooling system with sea water
- Sucking bilge water system
- Black & Grey water systems (waste water systems from showers, sinks)
- Desalinization unit
- Fuel system
- Hydraulic oil system
- Anti-freeze system
- Air-conditioning unit
- Jacuzzi

Clients references:

- Sunseeker (UK) <http://www.sunseeker.com/en>
- Princess Yacht UK) <http://www.princessyachts.com/>
- Royal National Lifeboat (RNLI) (UK) <http://rnli.org/aboutus/lifeboatsandstations/Pages/lifeboats-and-lifeboat-stations.aspx>
- STX <http://stxfrance.fr/>
- Fairline (UK) <http://www.fairline.com/en/>
- Oyster Yachts (UK) <http://www.oystermarine.com/>
- Royal Navy (UK) <http://www.royalnavy.mod.uk/>
- Sleipner (NO) <http://sleipner.no/>
- Hamann (Germany) <http://s344536928.website-start.de/>
- Vikoma www.vikoma.com
- Atlantis Marine <http://www.atlantismarine.co.uk/>

Main challenges of the sector/application:

- Corrosion due to salt and other fluids on board
- Extra weight is critical on boats
- Difficult access to the valves in the lower boat hold
- Backroom service and technical service important
- Tamperproof locking system for added security (military marine)



2/ How SAFI can help:

- Corrosion-resistant product
- Light weight of thermoplastics
- French production offers reliable products with life-long service.
- Large range of options for valve operation: extended stem, actuation... makes the valve manipulation easier, even if used in places difficult to access.
- Long experience in the field, started with Sunseeker in 1991
- Marine certification for ball valves and Diaphragm valve
- Back room service: actuation of valves, technical back up, special products

Best sellers:

Name	SAFI code	DN	Material	O ring	Actioner	Fittings	Others
Double union	1003	40-50	GRPP	EPDM	SM1		Manual override
	2003	40-50	GRPP	EPDM			
Ball valve	2008	15-40	GRPP	EPDM			
	2014	15-20	GRPP				Without flanges
Butterfly valve	3700	50-250	PP	EPDM			
Bulkhead fitting	2002	15-50	GRPP	EPDM			White color



Type: **Ball valve double union** (type 1003)
 Material: **GRPP** (Glass reinforced Polypropylene)
 DN: **40-50**
 Actuator: **SM1** Actuator waterproof (IP65)
 Option: Manual override, available in 2 or 3 ways
 Remark: actuator with quick release cover (bayonet fitting)





Type: **Compact actuated ball valve**
(type 2008)
Material: **GRPP** (Glass reinforced
Polypropylene)
DN: **15-20**
Actuator: **SM1** Actuator waterproof
(IP65),
Options: **available in 2 or 3 ways**
Weight: **1,2kg**
Remark: actuator with quick release
cover (bayonet fitting)



Type: **Bulkhead fitting** (type 2002)
Material: **GRPP** (Glass reinforced
Polypropylene)
DN: **15-50**
Options: **with locking nut, cap and
chain**
Weight: **60-270 gr**

SAFI certifications:

For Yachts and for steel ships:

- Bureau VERITAS Certification on SAFI ball valves

[U:\7- Quality\10- Standards & Approvals\1- Approvals\4- Marine\AGREMENT MARINE BV 2011.pdf](#)

- Bureau VERITAS Certification on SAFI diaphragm valves

[U:\7- Quality\10- Standards & Approvals\1- Approvals\4- Marine\AGREMENT MARINE BV 2013 DIAPHRAGM VALVES.pdf](#)



3/ Some applications with SAFI products:



Operator : Royal Navy Type 45

Description :

BAe accepted the test results and decided to use 57 valves per ship on Black & Grey water systems, which is basically waste water systems from showers, sinks etc. They also have a tamperproof locking system fitted, for added security.

Product: GRPP/EPDM compact ball valve (2014.05FFE) DN50 PN10 Flanged, tamperproof locking system fitted



Boat : RNLi Royal National Lifeboat

Applications: Sucking bilge water

Description:

In case of down flooding of the engine compartment of the lifeboat, pumps are activated to dry up the hold and valves open to let the salt water to be sucked in.

Product: GRPP/EPDM ball valve (1003-05AAAE) DN 40 or 50, with BSP hose adaptors and with manual override as well as SM1 actuator.





Boat : Princess yacht

Applications: engine cooling, black and clean water and Jacuzzi system

Description: engine cooling, black and clean water.

Jacuzzi system (Issel Ltd - Splash-Tec), for filling / mixing hot and cold water.

Product: GRPP/EPDM compact ball valve (2008-00AAE) DN 20. DN25 3 way ball valve actuated. DN 50 ball valve actuated.



System : Hamann AG

Applications: compact waste water treatment unit for boats

Description: Water treatment unit plug and play for boats that Treats waste water produced by up to 15 persons

Product: GRPP/EPDM compact ball valve (2008-00AAE)

