

GF Piping Systems

The first manufacturer worldwide to have multiple U.S. Coast Guard approvals on plastic piping systems!



SeaCor™ and SeaDrain™ Plus

The only plastic piping systems in the world with these features:

- Meet IMO A753 (18) Part 5, for Low Flame Spread
- Meet IMO A753 (18) Part 2, for Low Smoke and Toxicity
- May be installed in concealed spaces in accommodations, service and control spaces and need not meet the additional requirements of 46 CFR 56.60-25 (a) (2) * (that requires smoke detectors for plastic pipe in these spaces.)



GEORG FISCHER
PIPING SYSTEMS

Your Benefits: Performance, Durability, Cost-Effective



Low Weight

Plastic pipes weigh approximately five times less than metal. This can lead to weight savings of several tons per ship, allowing more cargo and lower running costs.

No Corrosion

Problems with external and internal corrosion or encrustation are eliminated by using plastic piping system.

Low-Cost Installation

Save time during the installation process: plastics lend themselves to on-sight and/or pre-fabrication, reducing installation times on board drastically. The fast joining techniques employed by our plastic systems allow joining with limited tooling and in very constrained spaces.

Efficient Maintenance

On-board alterations or repairs on plastics can be conducted efficiently. No major specialized personnel or tooling are required to enable reliable joining and installation of plastics on the ship itself. No flame, sparks, smoke, or noise disturb the ambience of the ship.



GF Piping Systems

10540 NW 26th St #G-304, Doral, FL 33172 USA
Phone +1 (305) 418-9150, Fax +1 (305) 418-9450
marine@georgfischer.com, www.gfpiping.com

SeaCor™

The only approved plastic piping system in the world meeting Coast Guard requirements with a size range of ½" through 12" with a complete selection of approved fittings. Ideal for fresh, grey and/or black water systems.

SeaDrain™ Plus

The only approved plastic piping system in the world meeting Coast Guard requirements with a size range of 1½" to 6" with a complete selection of drain, waste and vent (DWV) approved fittings. Ideal for grey and/or black water systems.

INSTAFLEX® and iFIT®

The ideal potable hot and cold water service for the marine industry. The high flexibility of INSTAFLEX and iFIT allow simple fabrication, drastically reducing installation times on board. Allowable maximum working temperature is 95°C.

ABS

A halogen-free, solvent-cemented complete plastic piping system, similar to PVC but more robust, and with great low-temperature resistance, complies to the toxicity test according to IMO A.753(8) and SOLAS. Ideal for fresh and sea water cooling, air conditioning, drinking water, secondary refrigeration systems.

PVC-U/PVC-C

The plastic systems with the longest tradition, Georg Fischer first produced PVC in 1957. Since then, due to PVC's excellent value, it has grown to be the most commonly used material in industrial systems worldwide. Primarily used for drinking water treatment and swimming pools on ships, technical water, cold potable water and general fresh water services are also good applications for PVC.

PE-100

PE-100 is available in socket, butt or electrofusion (ELGEF Plus®) technologies. It is UV and chemical resistant and ideal for larger-dimensioned systems such as bilge, ballast, cold water, AWP, and air vent lines.

SeaDrain™

The ideal black and grey water piping system, essential for the safe operation of vessels and platforms. Sea Drain is fire-retardant and UV-resistant polypropylene welded with electrofusion technology.

Material System	Classification Society								
	GL	LR	BV	RINA	ABS	DNV	CCS	RMRS	USCG
ABS	■	■	■	■	■	■		■	
PVC-C	■	■	■	■	■	■	■	■	
PVC-U	■	■	■	■	■	■	■	■	
PE 100	■	■	■	■	■	■	■	■	
PP-H		■	■	■		■			
INSTAFLEX PB	■	■	■	■	■	■	■	■	
PP-R AQUASYSTEM	■	■		■	■	■			
iFIT	■	■	■	*	*	■		■	
SeaDrain™	■	■	■	■	■	■		■	
SeaCor™					*				■
SeaDrain™ Plus					*				■

* Applied

Approvals

Georg Fischer has a whole range of approvals from all the major classification societies, namely Lloyds Register, Det Norske Veritas, American Bureau of Shipping, Bureau Veritas, Rina, CCS, NKK, CNS, US Coast Guard, etc. Other approvals are either in progress or can be applied for on demand.

Distributed by:

