

SeaDrain White

Revolutionizing marine drainage



The SeaDrain White marine piping system is the first thermoplastic black and grey water drainage system to offer both welded and mechanical joining capabilities. The system introduces the industry's first non-corroding thermoplastic deck drain, as well as the „fast-lock“ mechanical joining method capable of 2.4 bar (35psi). It is independent of support hangers and onboard vacuum service, completely revolutionizing marine drainage.

+ Complete system solution

SeaDrain White is a complete system of pipes and fittings that introduces the industry's first thermoplastic deck drain and additional accessories required to build a complete thermoplastic marine drainage solution in corrosive environments.

+ Corrosion-free, robust plastic

The system is produced from a high-performance polymer which is simultaneously light, flexible, tough, and exceptionally corrosion-resistant. SeaDrain White has a short-term pressure rating of 35psi (safety tested to 58psi) against potential head pressure.

+ UV resistant, no paint needed

SeaDrain White's bright white external coloring provides up to ten years of UV resistance against discoloration. It can be installed on deck, in areas visible to passengers, without the need for external paint. Work hours are saved, the result is athetically pleasing.

+ Multiple jointing technologies

The system utilizes both our patented „fast-lock“ mechanical fastening and electrofusion (USPH compliant) jointing. Fast-Lock fitting integrated clamping resists pressures up to 35 psi (2.4 bar) independent of secondary restraint (e.g. pipe clamping).

+ Global acceptance

The SeaDrain White piping system is produced in the United States and approved for use by ABS, DNV-GL, Lloyd's Register, Bureau Veritas. It is also NSF certified and ASTM D635 compliant. A solution with all properties desirable for marine environments.

Typical applications

- Black and grey water sanitary drains
- Cabins , galleys and laundries
- Deck and balcony drains
- Customer facing areas

Technical data

Material

- Color: bright white
- Schedule 40 PPFR
- Up to 10-year UV protection
- Laser print stream (non-color)

Size range and fusion types

- 1½" IPS (50 mm) – Electrofusion / Fast-Lock
- 2½" IPS (75 mm) – Electrofusion / Fast-Lock
- 3" IPS (90 mm) – Electrofusion / Fast-Lock
- 4" IPS (110 mm) – Electrofusion / Fast-Lock
- 6" IPS (160 mm) – Electrofusion

Temperature rating

- Constant temperature: 180°F (82°C)
- Intermittent (15min.) temperature: 212°F (100°C)

Pressure / Vacuum rating

- Pressure: 35 psi (+2.4 bar)
- Standard Operating: 14.5psi (1.0 bar)
- Long-Term Burst: 36 psi (2.5 bar)
- Short-Term Burst: 58 psi (4.0 bar)
- Vacuum: -14.5 psi (-1.0 bar)

Standards

- ASTM D635-18 (HB)
- ASTM F1412
- USPH (with electrofusion joining)

Approvals



Weight comparison

Size	Stainless steel black and grey water		SeaDrain White	
	lb / ft	kg / m	lb / ft	kg / m
1½" IPS (50 mm)	0.8	1.2	0.3	0.5
2½" IPS (75 mm)	1.2	1.8	0.7	1.1
3" IPS (DN80)	1.4	2.2	0.9	1.4
4" IPS (110 mm)	1.8	2.7	1.3	2
6" IPS (160 mm)	3.4	5	2.3	3.5

Maximum horizontal support hanger comparison

Size	Other plastic black and grey water		SeaDrain White	
	(ft)	(m)	(ft)	(m)
1½" IPS (50 mm)	1.7	0.5	6.6	2
2½" IPS (75 mm)	2.6	0.8	9.8	3
3" IPS (90 mm)	3	0.9	9.8	3
4" IPS (110 mm)	3.6	1.1	9.8	3
6" IPS (160 mm)	5.3	1.6	9.8	3



Option 1: Joining by electrofusion

Option 2: Fast-lock mechanical joining

Your contact

Georg Fischer LLC
92618 Irvine, CA
United States

Telephone +1 714 731 8800
us.ps@georgfischer.com
www.gfps.com/us

The information and technical data (altogether "Data") herein are not binding, unless explicitly confirmed in writing. The Data neither constitutes any expressed, implied or warranted characteristics, nor guaranteed properties or a guaranteed durability. All Data is subject to modification. The General Terms and Conditions of Sale of Georg Fischer Piping Systems apply.