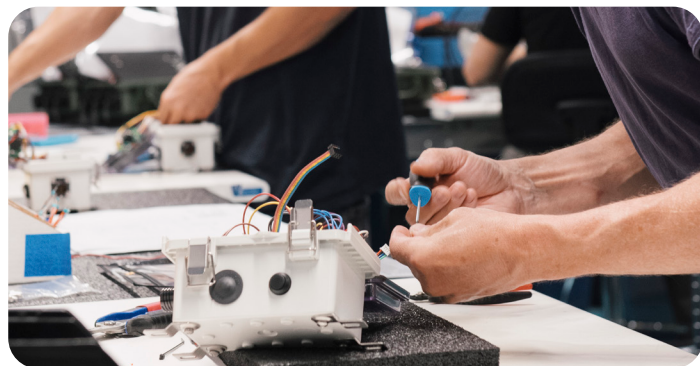


PRESSURIZED HYDRO INJECTION BRINE EVACUATION REMEDiation

Freshwater Flushing... at the touch of a button!

PHIBER Systems

Flushing solutions evolved for the 21st Century



**Proudly Engineered & Manufactured at
our ISO-9001 Certified Facility in Saint
Augustine, Florida USA**

PHIBER Systems are compatible with marine inboard and outboard engines, generators, vessel stabilization systems, and more... If it uses seawater, a PHIBER System can flush it!



PEACE OF MIND FOR ALL YOUR VOYAGES AHEAD

Visit our Website for More Info

@ sales@PHIBERSystems.com

www.PHIBERSystems.com

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**TURMOIL EXISTS
BENEATH THE SURFACE...**
Are You Protected?



**PHIBER
SYSTEMS**

Revolutionizing Seawater Systems for the 21st Century

Since the dawn of mechanized propulsion, abundant seawater is used to control operational temperatures within critical marine systems. “Raw water” is pulled in, pushed through hot equipment, and dumped overboard. Yet, despite 100 years of advancements in marine system design, the consequences of using seawater in Raw Water Cooling Networks remain:



Corrosion



Biofouling



Scale

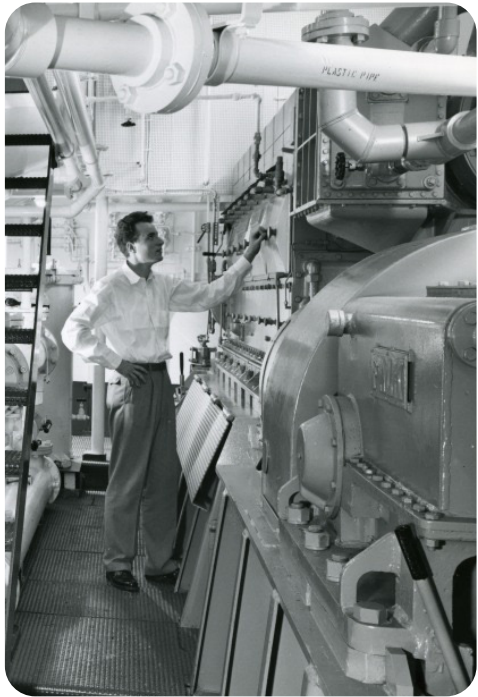
In 2020, a new course was charted. Challenging 75 years of “status quo”... a radical new design evolved out of frustration.

PHIBER Systems offer precision Freshwater Flushing (FWF) maintenance, at the touch of a button. A revolutionary Control and Freshwater Flush (FWF) Manifold eliminate the burdens of routine flushing... and the garden hose!

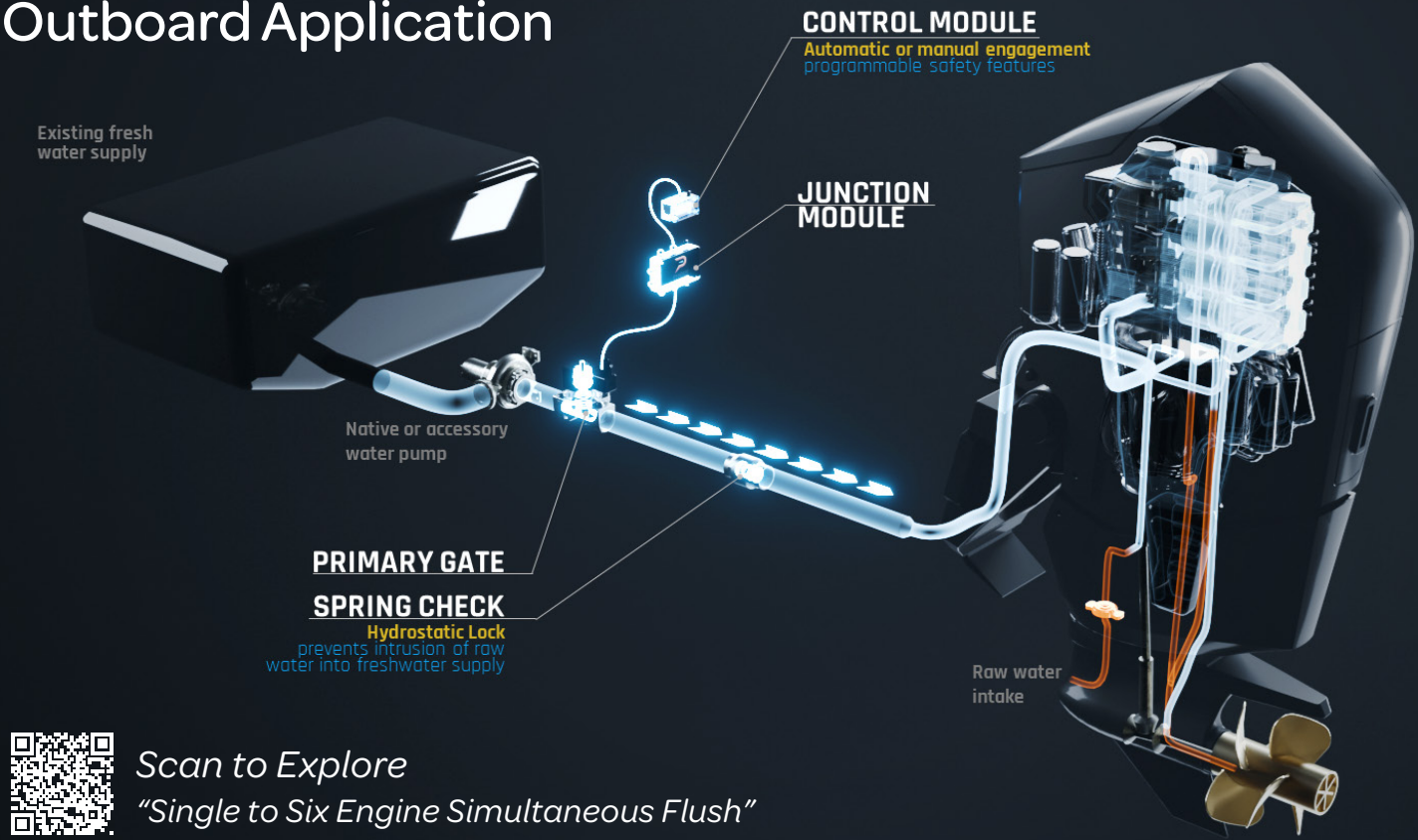
The PHIBER Control Module and Hydrostatic Lock execute optimal flushing under specific conditions, promoting safety, efficiency, and eco-friendly processes.



Scan to Watch
“PHIBER Revolutionizing Seawater Networks”



PHIBER System Outboard Application



Scan to Explore
“Single to Six Engine Simultaneous Flush”

The PHIBER System

Routine flushing with simple fresh water is prescribed by OEMs as the most important “preventative maintenance” in mitigating the effects of seawater in marine systems, HOWEVER, performing a freshwater flush at the end of every duty-cycle imposes significant labor investment, time expenditure, and water waste burdens.

Patent-pending, award winning PHIBER Systems are the **FIRST** and **ONLY full-automated**, universal Freshwater Flush solution, complementing ANY marine systems that depend on raw water cooling, including both outboard and inboard engines.



Scan to Watch
“Functional Overview”



CONTROL MODULE

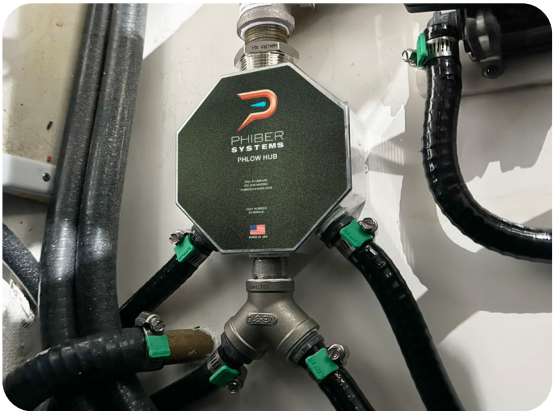
The Control Module was developed over 3 years of testing and incorporates the experience and feedback from a wide range of marine professionals and recreational operators. It embodies both real world operating conditions and a wide range of application in its design and software. It is universally used with any PHIBER FWF Manifold.



The Control Module constantly monitors operating conditions of a network, and only executes flushing when programmed conditions are met, engaging the Manifold’s function.

FWF MANIFOLD

The PHIBER FWF Manifold is a proprietary plumbing configuration that transforms a raw water network to include safe and correct freshwater flushing as a native function. It uses only physics to operate, responding to changes in line pressure on both the freshwater and raw water circuits.



There are two variations of the FWF Manifold:



“INBOARD” FWF Manifold

- For complex or “wet” raw water networks on Inboard Propulsion Engines and Generators that must be flushed **while they are active** and the raw water pump is operating, preserving (pickling) the circuit.



“OVERBOARD” FWF Manifold

- For simple or “dry” raw water circuits on Outboard Engines, Vessel Gyroscopic Stabilization, desalination, refrigeration and climate control systems that must be flushed **while they are inactive** and the raw water pump is off.



PHIBER System Demo boat with Twin Yamahas