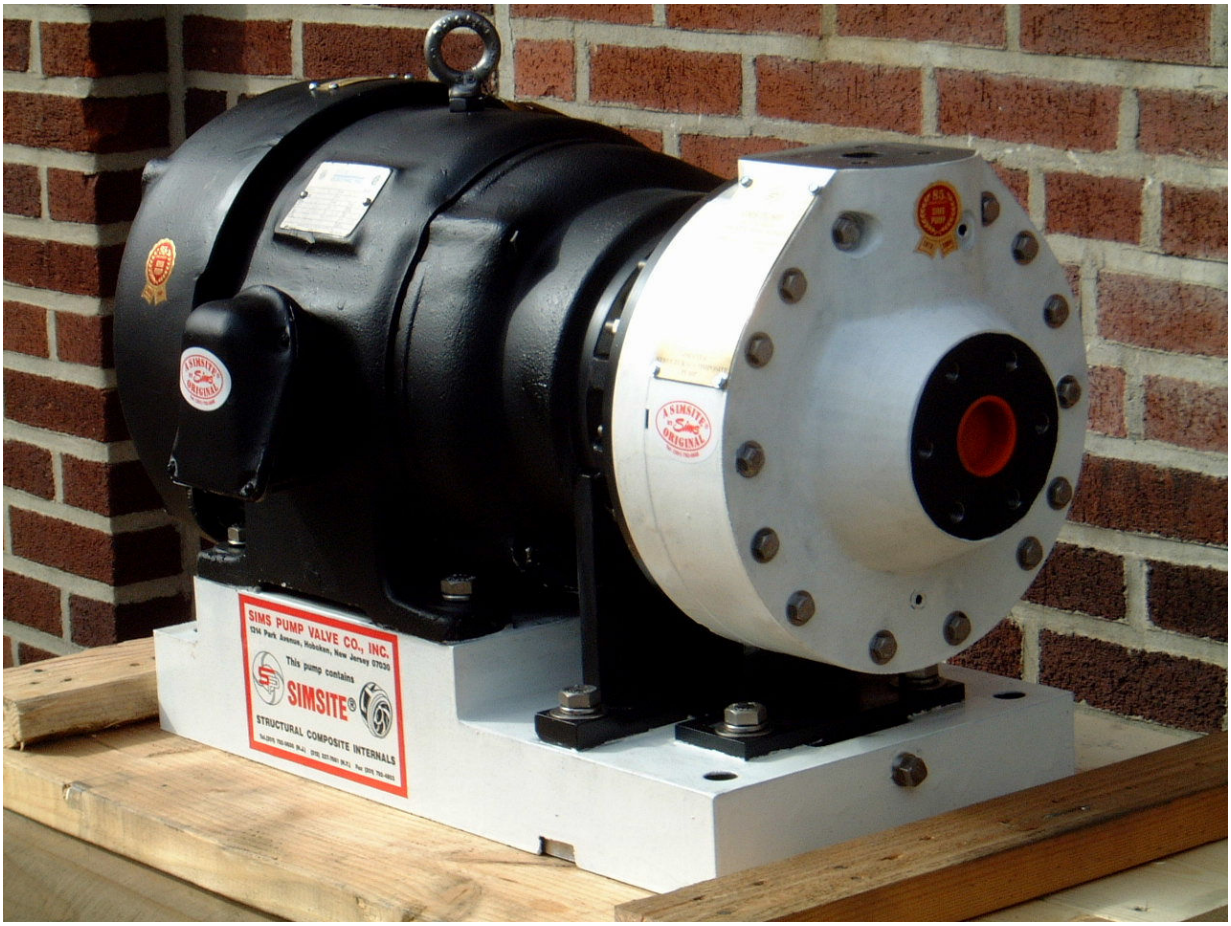
SIMS Pump Company

Since 1919

Simsite® Structural Composite Pumps

SIMS NAVY Standard Composite Pump



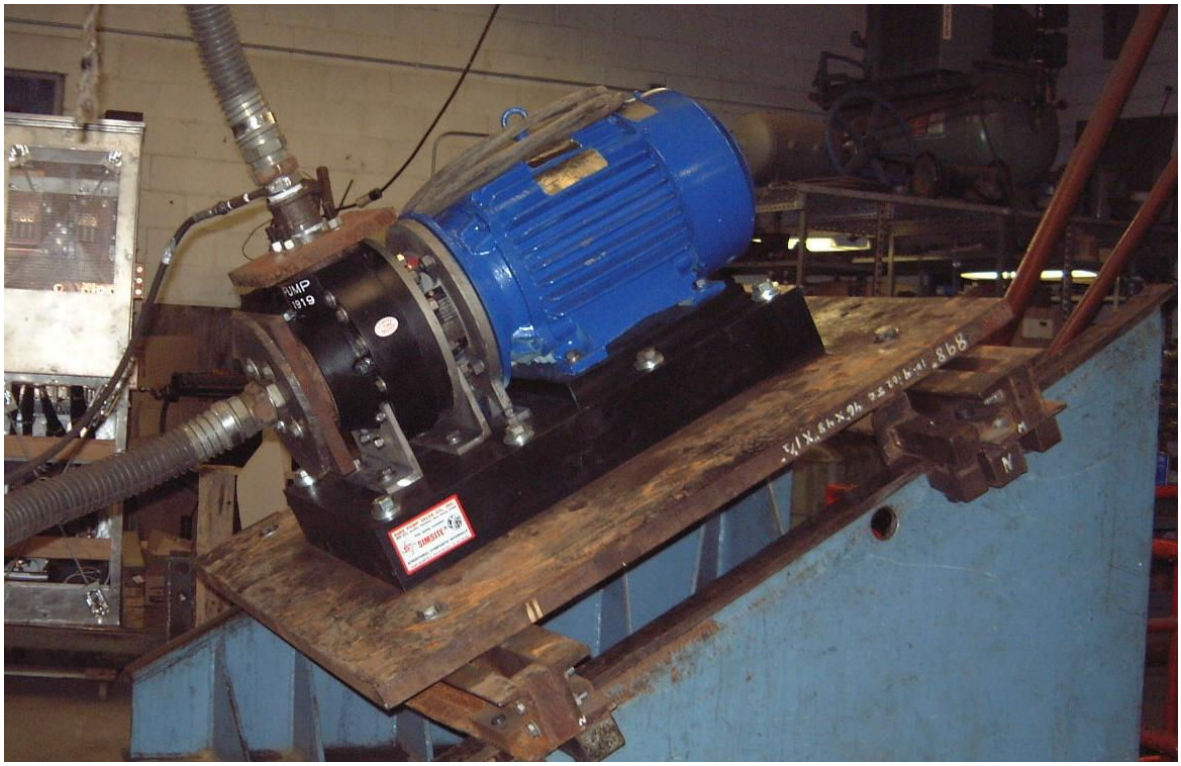
"The *only* Pump that is Impervious to Salt Water Corrosion"

Sims Navy Standard Composite Pump

SIMS NAVY Standard Pumps are machined entirely from solid blocks of SIMSITE®, a structural engineered graphite composite, which the NAVY has used successfully in pump applications for over 30 years. SIMS Pumps eliminate problems such as corrosion, erosion, cavitation, casting defects, expensive patterns, and balance problems. SIMSITE® Pumps are only 15% the weight of metallic pumps and NEVER CORRODE in Salt Water!

Shown below is a Sims Model 3 x 2 - 6, with 20HP Mil Spec Motor undergoing the torturous shock qualification, which requires continuous operation during each of the nine (9) blows in three (3) different planes.

The Pump Features: A SIMSITE® Structural Composite Pump & Assembly, a Simsite® Base Plate, a Closed Coupled Mil Spec Motor, and a SIMSITE® Cartridge Mechanical Seal Type Sims Single CB/TC/EP.

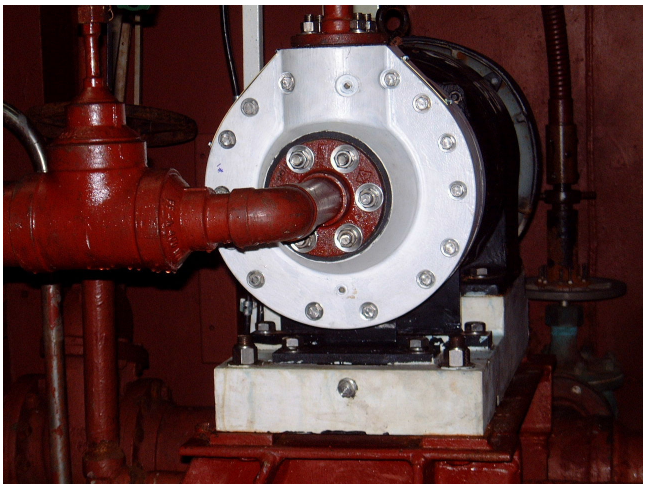


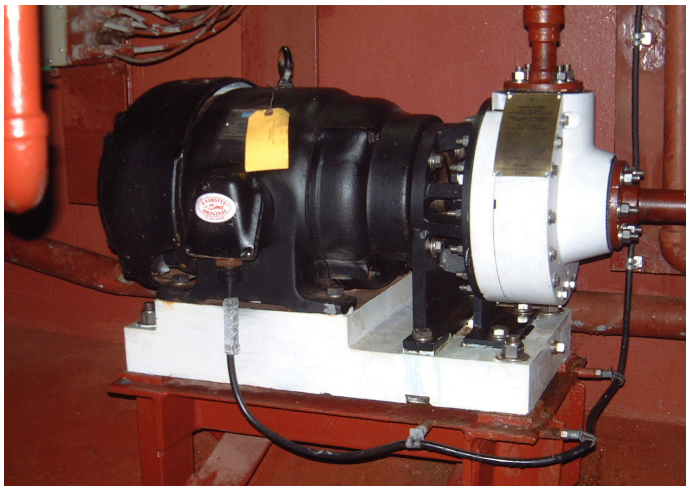
Sims Pump Company is proud to be a part in the development and installation of the first Sims Navy Standard Composite Pump qualified and approved for application aboard US Navy vessels.

"The *only* Pump that is Impervious to Salt Water Corrosion"

Current pump sizes are available from 1.5x1x6 up to 4x4x9, producing flow rates up to 950 GPM and pump heads up to 300 Feet utilizing motors from 5 to 40 HP.

Because Sims products are completely machined from solid blocks of Simsite composite materials, state-of-the-art CAD/CAM/FEA/CFD analysis and techniques are used to maximize performance, efficiency, and ease of use by maintenance personnel.





The above pumps are installed on NAVY Vessels for the Reverse Osmosis Systems (RO), which convert salt water to fresh water. These SIMSITE® Pumps will NEVER corrode in salt water!

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DEPARTMENT OF THE NAVY
NAVAL SURFACE WARFARE CENTER
CARDEROCK DIVISION

NAVAL SHIP SYSTEMS
ENGINEERING STATION
5001 S. BROAD STREET
PHILADELPHIA, PA 19112-1403

IN REPLY REFER TO
9503
Ser 9232/006
16 Feb 2005

SIMS Pump and Valve Co., Inc.
Attn: Mr. John Kozel (President)
1314 Park Avenue
Hoboken, NJ 07030

Dear Mr. Kozel:

Subj: REVIEW OF SIMS 3X2X6 COMPOSITE PUMP SHOCK TEST RESULTS

SIMS Pump and Valve Company has conducted shock testing in accordance with MIL-S-901D (Military Standards Specification Shock Tests, High Impact; Shipboard Machinery, Equipment and Systems Requirements for Grade A, Class I) and MIL--STD-167-1 (Military Standard Machinery Vibrations of Shipboard Equipment, Type I).

SIMS provided Noise Unlimited Laboratories, Inc; test report No.10005.1 of 29 December 2003 which details the shock and vibration testing performed on the SIMS model Navy Standard Composite pump 3x2x6 with a Mil-M-17060E 20 H.P. Reliance Electric motor. Tested pump was rated at 300 GPM @ 140 Feet of Head at 3570 RPM.

Carderock Division, Naval Surface Warfare Center (NSWCCD-SSES) Code 9232 was requested by SIMS Pump and Valve Company, to review Noise Unlimited shock and vibration test report 10005.1 of 29 December 2003 and found the results presented pertaining to the subject pump satisfied MIL-S-901D and MIL-STD-167-1 requirements. The shock test report was reviewed by NSWCCD-SSES Code 623 and was approved via Memorandum Ser 623/062.D2083 of 07 December 2004.

NSWCCD-SSES concludes that the SIMS composite pump with composite foundation is technically acceptable for use on all Navy ship systems where a pump meeting military Grade A shock and vibration specifications is required and falls within the guidelines set forth by NAVSEA Drawing 7014778 (Commercial/Marine Composite Standard Pumps)

This letter does not authorize any change in terms, conditions, delivery schedule, price or amount of any existing government contract. Inquires concerning this matter should be directed to Bob Coceano, NSWCCD-SSES Code 9232, Commercial (215) 897-7949.

Sincerely,

J. C. Hill
By direction

Copy to:
NAVSEA Washington DC (Code 05N, 05M3, 05L3)

"The *only* Pump that is Impervious to Salt Water Corrosion"

SIMS NAVY Pump, Series NS

Hydraulic Coverage
1800 and 3600 RPM