



CARVER PUMP™

Built for purpose

BUILT FOR PURPOSE

We build American-made pumps with military-grade precision, engineered to your most demanding specifications.

80 years of experience

Since we built our first pumps in 1938, Carver Pump has become recognized as one of the leading centrifugal pump companies, building pumps to the most demanding engineering specifications and military standards in the world.

We were one of the first American pump companies to attain ISO 9001 certification – the most recognized standard for quality in the world. This certification is your assurance that our commitment to

quality includes not only our hardware, but also superior customer service, leading-edge R&D, and continuous improvement in everything we do.

So whether the job is refueling fighter jets on the deck of an aircraft carrier, supplying paint to an auto assembly line, or bringing water to the fountain in a city park, we put our reputation on the line everyday with every pump we build.



CARVER SNAPSHOT

Latin America's largest international cargo airport needed a 100% reliable fueling system. The solution: ten of our 6x4x13 carbon steel API Maxum pumps.

YOUR NEEDS FIRST

Whether you're working with one of our distributors or directly with a team member, we take the time to fully understand your goals, ensuring that our product exactly fits your needs. It's not about selling equipment – it's about solving or eliminating problems before they develop.

DELIVERING FASTER

All of our pumps are designed and built in the USA. We have full command of our supply chain and know exactly where things are coming from and where they're going. As a result, we respond and deliver faster.

PROUD OF OUR ROOTS

Our company is headquartered in Muscatine, Iowa, where our pumps are engineered and manufactured. Our third-generation family ownership and commitment to American manufacturing give our customers, partners and employees confidence. We're proud of the fact that we didn't buy our market share – we earned it.

MILITARY GRADE

For decades, our products have been successfully living up to the intense demands of the US Navy. This increased level of scrutiny has driven us to achieve exceptional durability and the highest level of precision.

APPLICATIONS

It's hard to find an industry or market that doesn't use a Carver Pump as its prime fluid mover.

CARVER SNAPSHOT

The transfer of crude oil from producer to end user required a pump that could provide sustained high pressure and hold up to the harsh, changing climate of Canada's oil sands region. Carver Pump's RS (Ring Section) pump line was an easy choice for the LACT system booster pumps needed in this application. Our RS pumps produce up to 3400 ft TDH (Total Dynamic Head) and can easily pump oil long distances over changing elevations.



We build pumps for handling water, oil, chemicals and slurries for both the public and private sectors. Our full product line of horizontal, vertical, single and multistage pumps as well as extensive experience with metallic and composite materials and their applications have allowed us to apply pumps in a wide variety of services.



OIL & GAS

Our products are used extensively in many upstream, midstream and downstream applications. These products are available fully compliant with API 610 11th edition and in heavy duty process configurations. Typical applications include process water injection, LACT systems, pipeline injection, refining, LNG processing and molten sulfur.



PETROCHEM

We can help you select the right pump for your reactor, transfer or auxiliary system needs. We have solutions for highly corrosive fluids, temperatures to 700F and challenging suction conditions.



POWER GENERATION

Boiler feed and low NPSH condensate applications are routine for us. We also offer highly engineered pumps for flue gas desulfurization filtrate and turbine lube oil systems.



PULP & PAPER

High pressure water requirements and vacuum belt filtration systems are common applications for our pumps. General water and drain collection transfer system needs can also be met.



MINING & MINERALS

Our pumps are commonly used in mine dewatering and wash down services, belt filtration systems and light abrasives processing. We also have the right products for a wide range of water transfer and processing needs.



MARINE

Our products are used in both commercial and Naval applications for propulsion and generator systems. Common services are general water, fuel and cargo transfer systems. Custom products are routinely developed for special applications to meet rigorous shock, vibration and noise requirements.



DESALINATION & MUNICIPAL

Our pumps have the capability to solve challenging water and wastewater applications, including effluent transfer, plant water, and booster systems. We also support applications in reverse osmosis, high pressure fresh water, condensate and brine transfer.



INDUSTRIAL

Washdown, sump collection and transfer systems are typical applications for our industrial product lines. Pumps can be configured to accommodate special installation requirements, such as custom bases and piping. We offer the right metallurgy for everything from deionized water to sulfuric acid.



COMMERCIAL

Pumps and packages are available for domestic water boosting, cooling towers, HVAC systems, irrigation and rainwater harvesting. Systems can include variable frequency drives, PLC controls, pressure and flow sensing, and interfaces with most building communication systems.



HYDRAULIC COVERAGE

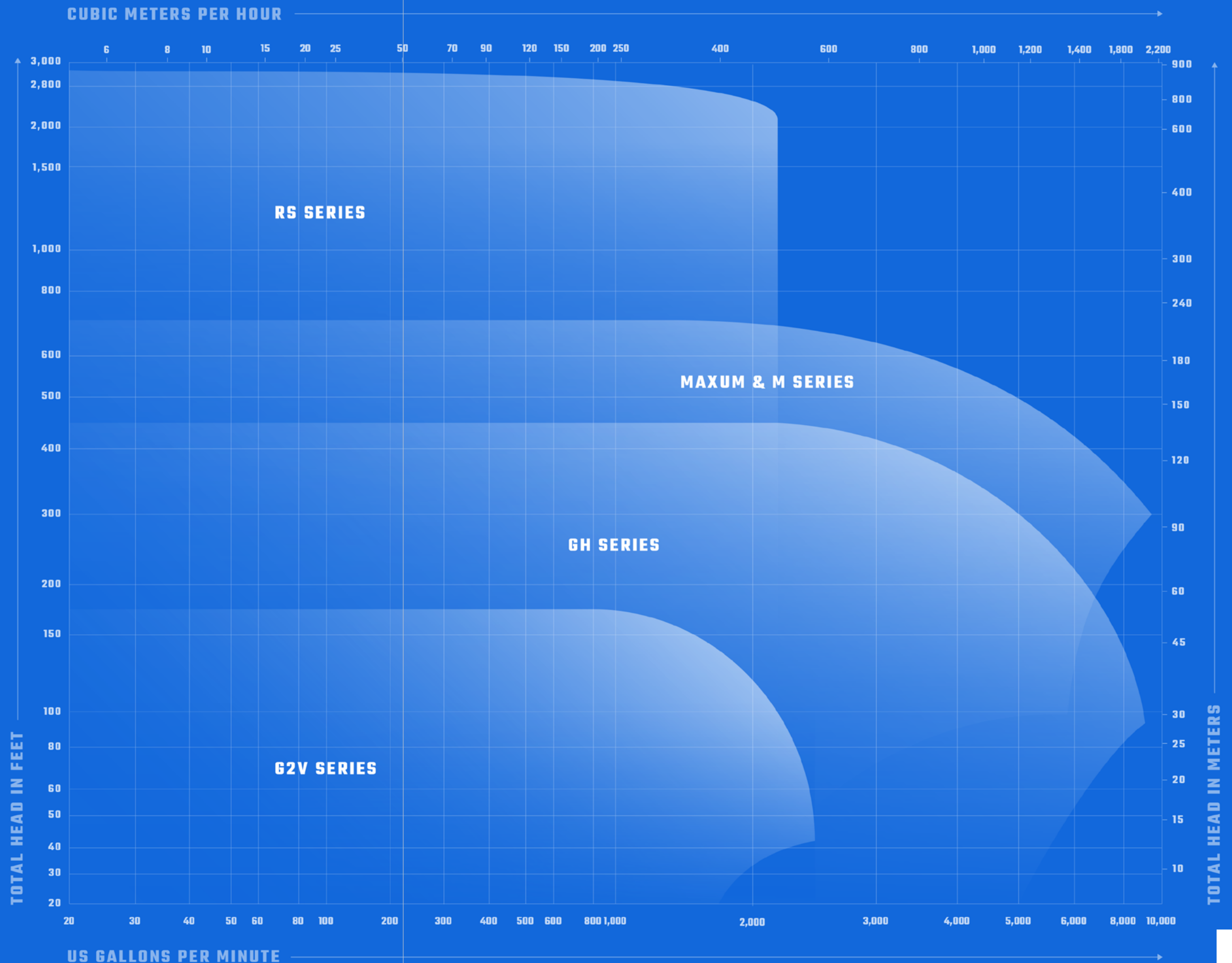
Our product line offers impressive diversity, including both horizontal and vertical end suction, multistage, axial split case, self-priming, and solids-handling pumps.

Running at standard motor speeds of 3550 RPM, 1750 RPM, and/or 1150 RPM, together they cover a hydraulic range up to 11,000 GPM and 2,800 ft.

Our pumps are also backed by unparalleled aftermarket support, and our network of stocking distributors, manufacturer's representatives and certified service centers throughout the world means that no matter where your pump is installed, there are local sales and service people ready to support your aftermarket needs.

Approval Certification
Number 95-370

European Community
Certificate



DRIVEN BY SPECIFICATION

Carver Pump brings the benefit of nearly 80 years of experience in pump design and application. Our pumps are engineered to handle high flows, high pressures, extreme temperatures, aggressive materials and/or entrained solids. If you require special flows, pressures, temperatures, mounting, or drive configurations, we can create a pump specifically for you.

We offer both horizontal and vertical general service pumps. Our GH Series horizontal pumps are available in close-coupled or frame-mounted arrangements, available in a wide range of materials. Hydraulic coverage runs to 10,000 GPM and 500 ft. TDH, which makes it hard to find an application we can't handle.

Standard features include a back pull-out design for simplified maintenance and 316 SS shaft sleeves for extended life. The close-coupled pumps are offered with either JM or JP shaft extension motors.

Our G2C vertical cantilevered pumps are available as tank-mounted units for depths to 36 inches. Deeper installations use the G2S Series sump pump for depths to 20 ft.. Standard materials are cast iron, 316 SS fitted cast iron and all 316 SS. We offer a broad selection of discharge piping, top plate, and underliner choices.

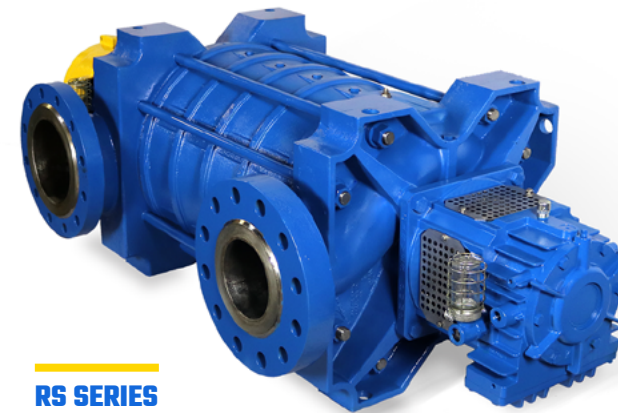
Carver can be found wherever heavy-duty pumps are specified. Our process pumps include a full range of horizontal, vertical, multistage ring section and solids-handling designs.

The 855/850 Series are rugged pumps designed for services with light abrasives and intermittent suction conditions. These pumps will self vent and reprime without damage and routinely take suction from vacuum receivers in belt filtration systems. The 855 is a unique tank-mounted arrangement and the 850 is a more traditional frame-mounted design.

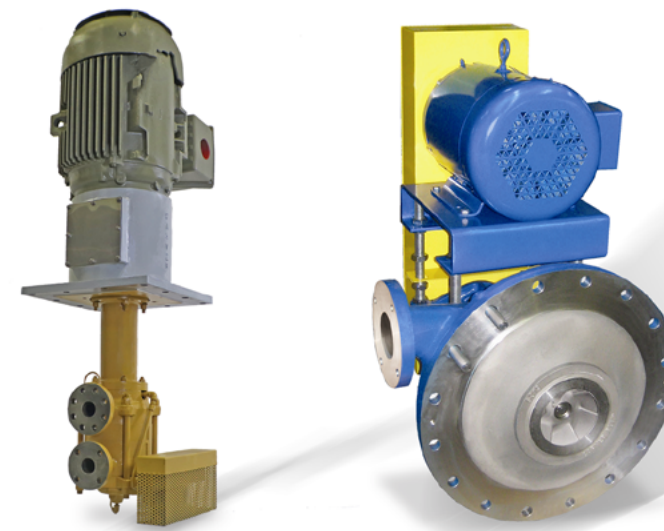
The Maxum Series is available as either the Process Maxum or API Maxum Series. Both units are designed to meet specific needs of individual markets. While the Process Maxum is foot mounted, the API Maxum is centerline mounted and fully complies with API 610 specifications. Both series provide flows to 9,000 GPM with heads up to 720 ft. Both series are available in a wide range of material options.

The RS Series ring section, multistage pumps are available in horizontal or vertical arrangements. The RS6 has Class 600 ANSI R.F. flanges for heads to 1,900 ft. The RS9 has Class 900 ANSI R.F. flanges for discharge heads to 2,800 ft.

Maxum and RS standard materials are all ductile iron, all CD4MCuN, or with ductile iron casings and CD4MCuN internals. Both series can be motor or turbine driven, and are available in high-temperature arrangements as well.

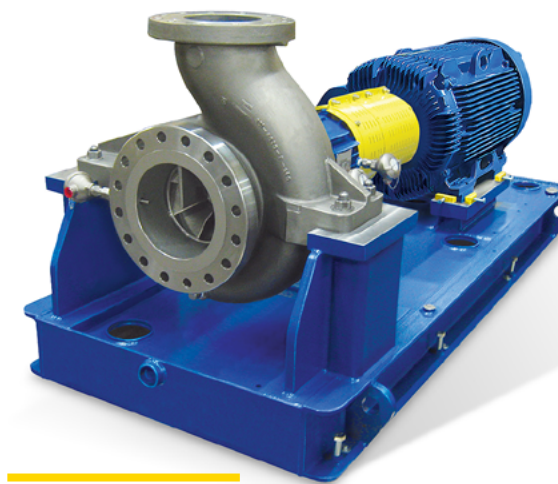


RS SERIES



VLO SERIES

855 SERIES



API MAXUM SERIES

CUSTOM SOLUTIONS

We specialize in developing custom solutions that generate exceptional value for our customers. Our advanced design tools include cutting-edge solid modeling software, powerful computer systems for analyzing structural problems and fluid flow, and exceptional hydraulic design capabilities to address the most challenging performance requirements.

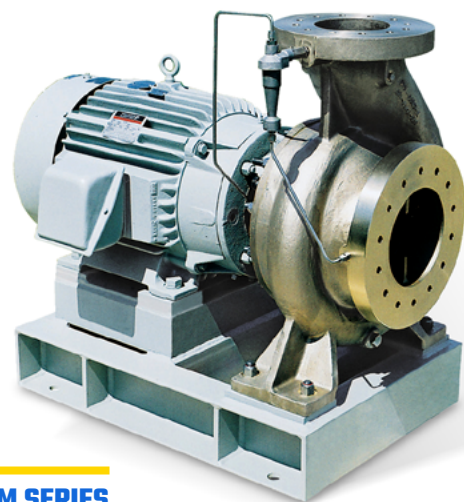
We routinely develop new products for very specific applications such as our tank-mounted 855 Series and new Naval ship systems. Many of our standard products can be highly customized for specific OEM applications such as parts washing systems and boiler/heat exchanger cleaning systems. Our approach is to integrate the pump design with the system to create as much value for our customers as possible.

Our engineers are available to help your next pump project excel. Whether it's improved efficiency, reduced horsepower, challenging suction performance or extreme environmental conditions, we will find the best solution to meet your goals for reliability and performance, with the quality and price you need.

MARINE

Carver Pump has been a supplier in every major US Navy shipbuilding program for the past 60 years. Our pumps can be found on anything that floats: US Coast Guard cutters and icebreakers, barges, ocean-going tankers, workboats, ferry boats, small pleasure craft, and even luxury yachts. Designed for onboard pumping of fresh water, seawater and other fluids, these include a wide assortment of axially split case, end suction (close-coupled or frame-mounted), horizontally- or vertically-mounted pumps.

Engineered to meet rigorous military specifications for high-impact shock loading, environmental impact, vibration and noise reduction, these pumps are available in cast iron, bronze-fitted, all-bronze, or Ni-Al bronze construction. We've also developed a new, proprietary high-strength, corrosion-resistant composite material for our pump internals, which has been put into service by the Navy.



M SERIES

We are proud of our long-term partnerships with the US Coast Guard and Military Sealift Command, and are active in the Commercial Marine industry, where we offer a full line of both horizontal and vertical pumps.

The MHF is our horizontal, close-coupled series. Our vertical pumps include the MVP vertical in-line, pedestal-mounted series, and the MVS vertical sump series capable of pumping from tanks 20 ft. below deck. Engineered for reliability with minimum space requirements, our Commercial Marine pumps are all built in accordance with ASTM F998, USCG and American Bureau of Shipping (ABS) requirements. Certifications from the various technical societies (ABS, Lloyd's, Det Norske Veritas, etc.) are also available.

Most importantly, as with all our other pumps, these pumps offer the reliability, low lifetime cost and lasting value that has made Carver one of the most trusted names in pumps.

SHIPBUILDING PROGRAMS

- Ford Class Aircraft Carriers
- Virginia Class Fast Attack Submarines
- Arleigh Burke Class Destroyers
- Zumwalt Class Destroyers
- Freedom Class Littoral Combat Ships
- Independence Class Littoral Combat Ships
- San Antonio Class Amphibious Transport

DOCK SHIPS

- America Class Amphibious Assault Ships
- Fortitude Class Joint High Speed Vessel
- Lewis and Clarke Dry Cargo/Ammunition Ships
- Berthoff Class National Security Cutters
- Sentinel Class Fast Response Cutters

SERVICES & APPLICATIONS

- Fire pump
- Air conditioning, chilled water and seawater cooling
- Radar cooling
- Electronics cooling
- Main propulsion seawater
- Central seawater
- Auxiliary seawater
- Reverse osmosis/desalination
- Potable water
- JP 5 service
- Bilge

We partner with the US defense industry on many leading-edge R&D initiatives, collaborating with it to develop and improve the pumps of tomorrow.



CARVER PUMP[™]
Built for purpose

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