

# Defense Aerospace Line

This product line includes a complete range of fluid system components for military and commercial aerospace applications. Hydrasearch has received many of the Qualified Product Listings (QPLs) for the hose assembly and fittings product line from the Naval Sea Systems Command.

Phone: 410.643.8900 Email: defense@hydrasearch.com



## Low Pressure Hose & Fittings

### Military specifications

- fittings meet MIL-DTL-38726 and MS27404
- hose meets MIL-DTL-5593
- hose assemblies meet AN6270
- listings QPL-38726

## Medium Pressure Hose & Fittings

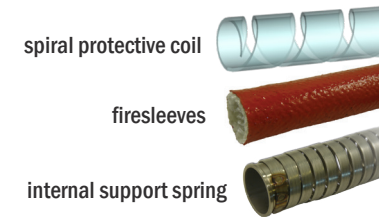
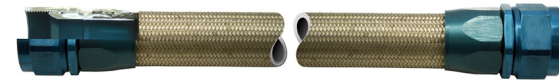
### Military specifications

- fittings meet MIL-DTL-5070
- hose meets MIL-DTL-8794
- hose assemblies meet MIL-DTL-8795 (Also MS28741)
- listings QPL-5070

## High Pressure Hose & Fittings

### Military specifications

- fittings meet MIL-DTL-8789
- hose meets MIL-DTL-8788
- hose assemblies meet MIL-DTL-8790 (Also MS28759, MS28762, MS28920, MS28921, MS28922, MS28923 and MS28924)
- listings QPL-8789 and QPL-8790



## Medium Pressure PTFE

### Military specifications

- fittings meet MIL-DTL-27272
- hose meets MIL-DTL-27267
- hose assemblies meet MIL-DTL-25579 (Also MS8000-MS8004)
- listings QPL-27272 and QPL-25579

## Lightweight Medium Pressure Hose

### Military specifications

- fittings meet MIL-DTL-83798
- hose meets MIL-DTL-83797
- hose assemblies meet MIL-DTL-83796
- listings QPL-83798

## Hose Protectants

### Military specifications

- protection against heat, corrosion, shock and moisture (spiral protective coil)
- silicone impregnated fiberglass braid (firesleeves)
- prevents damage to assemblies subject to high vacuum installations (internal support spring)

# About Hydrasearch

Hydrasearch Company, LLC (Stevensville, MD) has been an established leader in manufacturing components and hardware for the maritime industry since 1962. We proudly serve the defense, recreational and commercial marine markets. Our mission is to provide quality products and excellent customer service.

## History of Hydrasearch

Hydrasearch began in the early 1960s from a growing demand for more “think tank” factories near Washington, D.C. to support our national defense. From hydraulic research and design to our most recent acquisition of venting solutions, our product offering has been an expanding effort to fulfill the needs of our customers. We are proud to manufacture a trusted product offering for over 60 years.

## Advantages of buying Hydrasearch

### Quality Assurance

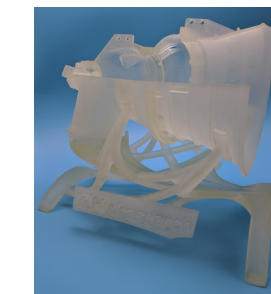
Hydrasearch maintains a mature quality control process that puts us ahead of the competition in the marine hardware industry. Our Quality Management System is driven by our listing as a preferred vendor to the US Navy. To ensure our quality, we are continuously improving our equipment, processes and training.

In addition, we are a certified International Standards of Operation (ISO 9001: 2015) company and have a type certification to the Royal Institution of Naval Architects (RINA).

### Engineering Support

Hydrasearch has an extensive support system that include the following programs:

- 3D printing and scanning
- Fully staffed quality department
- Articulating borescope
- In house chemical analysis for metals
- CAD software support
- Modern machine shop
- Coordinate Measuring Machine (CMM)
- Niton gun
- Finite element analysis
- Rapid prototyping
- Flow simulation
- Solidworks capabilities



3D printed receiver for refueling at sea



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Defense Line  
Recreational Line  
Commercial Line





# Defense Marine Line

We are proud to supply products and services to the defense market. We specialize in manufacturing fluid conveyance products for refueling at sea (RAS), underway replenishment (UNREP) hardware as well as high pressure and critical systems hose and fittings.

Phone: 410.643.8900 Email: defense@hydrasearch.com

# Commercial Line

Our commercial line specializes in manufacturing venting solutions and commercial marine hardware for the workboat market. We are proud to say that many of our products are ABS approved.

Phone: 410.643.8900 Email: commercial@hydrasearch.com



# Recreational Line

With our recreational line, we have been supplying underwater hardware and marine components to the recreational boating market for over 60 years as Buck Algonquin, whose product line Hydrasearch now manufactures.

Phone: 410.643.7145 Email: recreational@hydrasearch.com

## Hose and Fittings

For flexible hose assemblies aboard naval vessels

- meets MIL-DTL-22240
- meets MIL-H-24135
- meets MIL-DTL-24356
- listing QPL-24787
- meets MIL-F-24787
- listing QPL-24136
- meets MIL-H-24136

## UNREP/RAS Products

Produced to NAVSEA requirements

- fueling probes
- probe receivers
- hose assemblies
- saddles
- adapters

## Technical Products

Valves and fittings

- multiple material configurations
- meets MIL-V-24109
- meets MIL-DTL-24578
- meets MIL-DTL-24630
- listing QPL-24630
- listing QPL-24109



## Application

Can be fabricated to S6430-AE-TED-010

- fresh water
- salt water
- low pressure air
- oil
- hydraulics
- fuel systems



## Vent Check Valves

- air pipe heads
- inverted vent check valves
- ABS type approved



## Deck Fittings

- deck drains
- sounding tubes
- brass pipe caps



## End of Line Fittings

- suction bellmouths
- suction strainers



## Arctic Steel Strainers

- side in side out (SISO)
- bottom in side out (BISO)
- 2205 duplex stainless steel



## Drivetrain

- custom castings
- fabrications
- 3D rapid prototyping



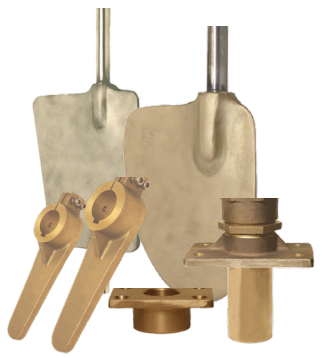
## Plumbing Fittings

- hose nipples
- pipe fittings
- combination sizes



## Shafting & Accessories

- solid, split and tapered
- 3 inch - 10 1/2 inch flange sizes
- 3/4 inch - 4 inch shaft sizes



## Steering Hardware

- custom castings
- rudder ports, tiller arms and rudders
- bronze and stainless steel



## Nozzles

- washdown
- fog
- USCG approved



## Valves

- gate
- ball
- angle
- wye



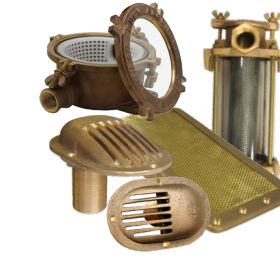
## AQ-22 Rudders

- custom fitted
- hydrodynamic shape
- AQ-22 stainless steel



## Hydraulic Fittings

- field attachable
- brass
- stainless steel



## Strainers

- internal basket styles
- external scoop
- bronze and stainless steel



## Thru Hulls

- 3/8 inch - 4 inch
- mushroom, flush and high speed pickup
- bronze and stainless steel



## Valves

- 3/8 inch - 4 inch
- inline ball valve and seacock
- bronze and stainless steel

Hydrasearch is the proud manufacturer of the



product line

