

# 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.



## 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

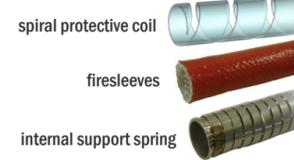
### Military specifications

- 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 TFE

### 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

Founded in 1962, Hydrasearch is a US based manufacturer of specialized maritime/aerospace components, fluid transfer related systems and custom machined parts. We have extensive experience in defense and commercial applications. We support both the immediate needs of daily operational logistics and the long-term dependability required to satisfy OEM production.

## History of Hydrasearch

Hydrasearch began in 1962 from a growing demand for more "think tank" factories near Washington D.C. to support our national defense. From hydraulic research, design and manufacturing to recent acquisitions, our product offerings continue to expand to fulfill the needs of our customers. While embracing our origins, we look forward to future endeavors to manufacture and supply trusted products for our valued customers.

## Advantages of buying Hydrasearch

### Quality Assurance

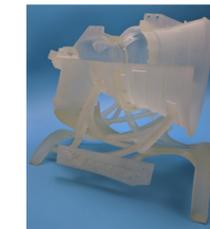
Hydrasearch maintains a mature quality control process that puts us ahead of the competition in the marine hardware industry. Our Quality Management System is driven by our listing as a preferred vendor to the US Navy. To ensure our quality, we are continuously improving our equipment, processes and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

In addition, we are a certified International Organization for Standardization (ISO 9001: 2015) company, we have a type certification to the Royal Institution of Naval Architects (RINA) and are in the process of obtaining AS9100D.

### 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.

## Hose and Fittings

For flexible hose assemblies aboard naval vessels

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

# 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.



## 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



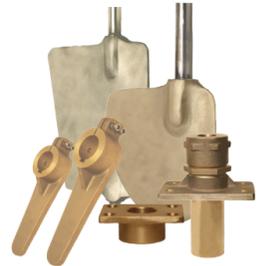
## Plumbing Fittings

- 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

ABS type approval on some of our commercial



product line



## 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, manufacturer of the



product line

