



**Fluid Conditioning Products, Inc.**

*Precision Filtration. Proven Performance.*



Custom Engineered Solutions  
for High Performance Filtration  
Applications



## Custom Engineered Solutions for High Performance Filtration Applications



What do the F-16 Fighter, Blackhawk Helicopter, NASA's Space Shuttles, an Aircraft Carrier Launch Catapult and Nuclear Submarines have in common? They are all equipped with precision filtration devices engineered by FCP. We have over 60 years of experience designing and fabricating filters for some of the world's most demanding applications.

As a recognized leader in the specialty engineered filtration business, FCP consistently satisfies customers with the most demanding filtration requirements in the aerospace, marine, and military industries.

### A Commitment to Quality

FCP has well-established Quality Assurance policies and processes, a fully compliant QA Manual, and continuity in management of the QA function. Because of our commitment to quality, we maintain the certifications and approvals needed to support our customers:

- AS 9100, Rev. B.
- ISO 9001: 2000
- NADCAP
- Mil-I-45208
- Sub-Safe Level 1

Our Design Engineering team of craftsmen and problem solvers is ready with the technical skills and experience you need to help meet your most challenging filtration needs. Our core competency is limited quantity, highly engineered precision filters. When quality and dependability are critical, count on Fluid Conditioning Products.



*“Fluid Conditioning Products, Inc. is a very reliable, ‘low maintenance’ supplier. They work hard to take care of us, and have always bailed me out when we’ve had an unexpected spike in demand.”*

*Buyer,  
Missile Manufacturer*

## A Wide Range of Products for Your Demanding Filtration Needs

Today, FCP provides a wide variety of filters for air, hydraulic fluid, engine lubricant, fuel, water, and steam filtration applications. We specialize in precision filters designed to meet rigorous temperature, chemical, and pressure specifications. FCP’s primary product offerings are:

### Stainless Steel and Wire Mesh Filters

Versatile, cleanable, and re-usable products built to withstand a variety of demanding pressure and temperature conditions, such as jet engine lubricant filters and high-pressure hydraulic filters. FCP can engineer filters with an absolute micron rating of as fine as 5 microns. These products can be welded, brazed, or epoxied. The mesh can be woven from any material and can be pleated or non-pleated depending on the filtration performance required by your application.

### Sintered Metal Filters

These cleanable filters offer two key advantages versus other metal filters: they are considerably less expensive, and the rigidity of sintered metal allows these filters to be self-supporting and to be cast in any shape or configuration. F-8 and F-104 aircraft hydraulic systems are equipped with FCP’s specially designed sintered bronze filters.



## Strainers and Baskets

Constructed in virtually any size, shape, or configuration, FCP strainers are engineered from perforated metal or mesh and designed for applications where particles of 100 microns or larger must be captured. These products range in size from 6 feet tall to the inlet of a 1/8 inch diameter fitting. Applications are varied, from specially-designed air intake screens for jet aircraft, to strainers that utilize magnets to capture metallic chips and dust. We also have a long history of designing and manufacturing baskets for submarine and aircraft carrier applications using special corrosion-resistant metals to withstand high pressure steam and water, in both fresh water and seawater environments.



## Depth-type Filters

To maintain the high dirt-loading and beta characteristics of disposable media, FCP developed depth-type filters using layers of stainless steel fiber. These filters are easily cleaned by back flushing, ultrasonics, or chemical cleaning. These special materials are specified for use in extreme conditions such as severe temperatures and high pressure environments.

## Disposable Filtration Systems

FCP offers a wide range of products engineered with filter media such as cellulose, synthetics, glass fiber, plastics, non-woven, and inorganic structures. Contaminants are captured via a funneling effect as they flow through a random maze of fibers that provide excellent permeability and very high dirt holding capacity. The Navy has increased its operating cycle by a factor of four on their DD963 Destroyer class ships thanks to the enhanced dirt-loading capability of FCP's disposable filter in the onboard controllable pitch propeller hydraulic system.



## Indicators

Indicators that alert users when filters should be changed or cleaned can play an important role in keeping equipment operating safely and reliably. FCP indicator products range from simple pop-up buttons to units featuring sensitive thermal lock-outs which prevent false indications.



## Customized Housings and Valves

FCP valves work in concert with six basic types of housings that can be adapted for almost any usage: in-line, T-type, Y-type, L-type, flange, and stack type. Our engineers can help you select the most effective and cost-efficient housing to meet your needs.

## Why Select Fluid Conditioning Products?

Because we are qualified, responsive, easy to deal with, and dead serious about reliability.

The world's largest defense contractors, jet engine manufacturers, and nuclear submarine builders depend on FCP, so you can too. When you have an emergency or an unexpected spike in demand, count on FCP to back you up.

### When your filtration application needs:

- The right precision engineered filtration design
- Reliable filtration performance
- Responsive customer service
- Dependable, on-time delivery

...why not consider FCP?

**CONTACT US TODAY!**

We would like to become your preferred specialty filtration supplier and partner.



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