

High Performance Filter Elements

Lowering Costs & Increasing Efficiency

Our mission is to make our customers as efficient as possible, and we achieve that with the highest quality filtration products and total system cleanliness strategies to maximize uptime, productivity and prevent costly fluid contamination related failures. Been there. Done that. Going to do it again tomorrow. But that's not the only way we make our customers efficient. Extending the useful life of in-service fluids pays big dividends

in reliability, saves money on premature fluid replacement costs, and reduces the environmental impact of industry by reducing the amount of fluids used and discarded. Enhancing reliability, saving money, and protecting the environment are not only good business, they're our responsibility. To help reduce oil usage, let's first understand why fluids are condemned and prematurely replaced.



NSD

Non-Spark Discharge Filter Elements

Hy-Pro NSD element and media technology is optimized to prevent spark discharge and minimize potential energy in bearing lubrication and hydraulic control systems.

NSD elements prevent oil degradation caused by thermal events associated with element spark discharge to extend fluid life and prevent anti-oxidant additive depletion.

Water Removal

G8 Dualglass Media with Water Removal

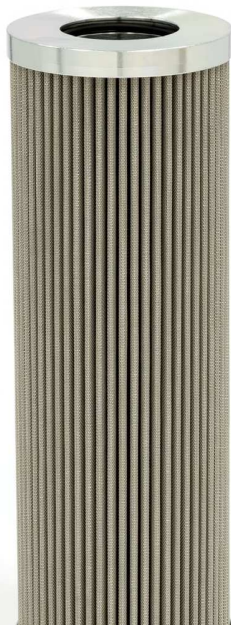
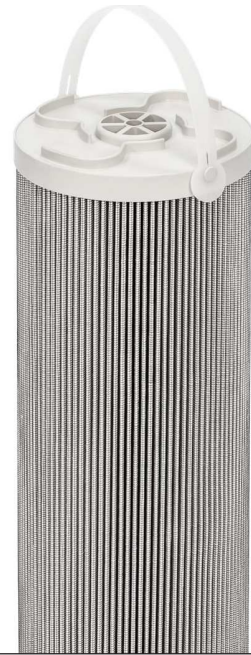
Media code "A" specifies G8 Dualglass media co-pleated with water removal scrim to produce a filter that can remove water while maintaining $\beta_{x_{[G]}}=4000$ efficiency down to $3\mu_{[G]}$. Available for all Spin-On and cartridge style filter elements.



Coreless Filter Elements

Glass Fiber Media

Reduce rising disposal costs and minimize environmental impact by using coreless filter elements. A permanent inner liner is used in the housing instead of being replaced with every new element.



Dynafuzz

Stainless Fiber Media

Dynafuzz is ideal for long term exposure to aggressive fluids such as phosphate ester, Skydrol, Deionized water, and high temperature applications where traditional glass media binders can degrade leading to media migration. Popular media option in power generation with fire resistant fluids.

Lube Design

Low ΔP Optimized Glass Filter Media

A modified DFE rated glass media option for high flow lube systems with low ΔP alarm (1 bard, ~15 psid). Also ideal for undersized hydraulic filter assemblies or upgrading from wire mesh to high efficiency glass media.



Filter Assemblies

In-Tank Assemblies

TFRB

In-Tank Return Line Filter Assemblies

Hy-Pro TFRB in-tank filter assemblies are ideal for mobile and industrial power unit hydraulic applications where the breather integrated into the filter head can save space to yield a compact solution.

Max Operating Pressure: 150 psi (10.3 bar)



TFR

In-Tank Filter Assemblies

Hy-Pro TFR in-tank filter assemblies are ideal for particulate contamination removal in hydraulic power unit return line and mobile hydraulic OEM installations.

Max Operating Pressure: 150 psi (10 bar)



TF4

In-Tank Filter Assemblies

Ideal for installation on the return line to remove contaminant ingested or generated by the system.

Max Operating Pressure: 150 psi (10 bar)



TFR1

In-Tank Return Line Filter Assemblies

Hy-Pro TFR1 in-tank filter assemblies are ideal for particulate contamination removal in high velocity hydraulic power unit return line and compact mobile hydraulic OEM installations.

Max Operating Pressure: 150 psi (10 bar)

Filter Assemblies

Low Pressure Assemblies

LF(M)

High Viscosity Filter Assemblies

Low pressure filter assemblies optimized for high flow hydraulic, high viscosity lube and heavily contaminated fuel applications.

Max Operating Pressure: 150 psi (10 bar)

Available options up to 1000 psi (68.9 bar)



LFW

Wall Mounted Filter Assemblies

A compact, dedicated off-line contamination solution ideal for small reservoirs, gearboxes and diesel engine crankcase conditioning. Coming in at a whopping 0 ft² of floor space, the LFW is designed to get your filtration off the ground and positioned conveniently for you, whether you're polishing off that high viscosity gearbox oil or just want to add a little more protection for your critical components from heavy contaminants. And with Hy-Pro filter elements inside, the possibilities are endless for what you can do with the LFW.

Max Operating Pressure: 150 psi (10 bar)

Available options up to 250 psi (17.2 bar)

F8

Low Pressure Filter High Flow Filter Assembly

Ideal for high viscosity lubricating fluids, high flow hydraulic, and heavily contaminated fuel applications. Drop-in mounting interchange for common pulp and paper industry 8300/8310/8314 filter assemblies.

Max Operating Pressure: 500 psi (34.5 bar)



S75-76

Low Pressure Spin-On Filter Assemblies

Hy-Pro low pressure S series filters are designed for installation on the return line to remove contaminant ingested or generated by the system. Functions include off-line filtration (kidney loop or filter cart) and some suction applications.

Ideal for automotive manufacturing and assembly machine tools, mobile applications such as waste haulers and transit, filter carts and filter panels, and power unit return line/suction.

Max Operating Pressure: 200 psi (13.8 bar)



Filter Assemblies

Medium Pressure Assemblies

MF 90/110

Medium Pressure Filter Assemblies

Hy-Pro's MF90 and MF110 medium pressure filters are designed to protect sensitive components in hydraulic and transmission circuits. Install the series upstream of specific components or directly after the pressure pump in mid-flow systems to minimize risk of failure and costly system downtime.

Ideal for use as a charge pump discharge filter or a pilot filter, and to protect components that are sensitive to particulate contamination and require clean pressurized fluid for reliable operation.

Max Operating Pressure: 580 psi (40 bar)



MF3

Medium Pressure Filter Assemblies

Ideal for mobile equipment return line applications as an alternative to spin-ons, on-board fuel and dispensing and hydrostatic charge circuits.

Max Operating Pressure: 1,200 psi (83 bar)



Filter Assemblies

High Pressure Assemblies

PF2

High Pressure In-line Filter Assembly

Ideal for a variety of applications including mobile applications, paper and saw mills, power generation, general industrial machine tools, and automotive manufacturing. With HF2 compatible port-to-port dimension, mounting pattern, and element design to meet the automotive manufacturing standard.

Max Operating Pressure: 4000 psi (275 bar)



PF4

High Pressure Base Mounted Filter Assemblies

Hy-Pro PF4 pressure filters are designed for protecting sensitive components in hydraulic circuits. Install the series upstream of specific components or directly after the pressure pump to minimize risk of failure and costly system downtime.

Ideal for components that are sensitive to particulate contamination, such as the servo valve, and require clean pressurized fluid for reliable operation.

Max Operating Pressure: 6,000 psi (379 bar)



PFH

High Pressure In-Line Filter Assemblies

Hy-Pro's PFH14, PFH55, and PFH167 pressure filters are designed to protect sensitive components in hydraulic circuits. Install the series upstream of specific components or directly after the pressure pump in smaller systems to minimize risk of failure and costly system downtime.

Ideal for use as a power unit pump discharge filter or a pilot filter, and to protect components that are sensitive to particulate contamination and require clean pressurized fluid for reliable operation, such as servo valves.

Max Operating Pressure: 6090 psi (420 bar)



PFH62

High Pressure In-Line Filter Assemblies

Hy-Pro's PFH62 pressure filters are designed to protect sensitive components in hydraulic circuits. Install the series upstream of specific components or directly after the pressure pump to minimize risk of failure and costly system downtime.

Ideal for use as a power unit pump discharge filter and to protect components that are sensitive to particulate contamination and require clean pressurized fluid for reliable operation, such as servo valves.

Max Operating Pressure: 6,600 psi (455 bar)



PFH92

High Pressure In-Line Filter Assemblies

Hy-Pro's PFH92 pressure filters are designed to protect sensitive components in hydraulic circuits. Install the series upstream of specific components or directly after the pressure pump to minimize risk of system failure and costly downtime.

Ideal for use in all high pressure and high flow hydraulic applications.

Max Operating Pressure: 6,000 psi (414 bar)



PFH840

High Pressure In-line Filter Assemblies

Hy-Pro's PFH pressure filters are designed to protect sensitive components in hydraulic circuits. Install the series upstream of specific components or directly after the pressure pump in smaller systems to minimize risk of failure and costly system downtime.

Ideal for use on a power unit pump discharge filter or pilot filter directly in front of valves and actuators.

Max Operating Pressure: 9137 psi (630 bar)



PFHB

High Pressure Full Flow Bi-Directional Filter Assemblies

Hy-Pro's PFHB high pressure filter assemblies are designed for applications where flow direction changes and fluid must be filtered with full flow in both directions. Protect both components and clean fluid that typically does not return to the reservoir.

Ideal for steel mills, board plants, scrap yards, and concrete mixers.

Max Operating Pressure: 7250 psi (500 bar)

Filter Assemblies

Duplex Filter Assemblies

DFN

Low Pressure Duplex Filter Assembly

Designed to maintain continuous filtration, even throughout element servicing, the DFN series filter assemblies provide a compact and user-friendly 4-way, 2 position housing completely sealed from the atmosphere. Remove particulate and water from a variety of fluids including hydrogen seal, oil, turbine lube oil, bearing lube oil, and FD-ID-PA fan lube.

Ideal for systems where filters must be serviced without system interruption such as hydraulic, gearbox, wind turbine, boiler feed pump, mechanical/electro hydraulic control, and servo systems.

Max Operating Pressure: 888 psi (61.2 bar)



DFH

High Pressure Duplex Filter Assembly

The DFH series is designed to remove particulate and water from a variety of fluids including hydrogen seal oil, turbine lube oil, bearing lube oil, and FD-ID-PA fan lube. Applicable for wind turbine, boiler feed pump, mechanical/electro hydraulic control, and fuel handling systems.

Ideal for systems where filters must be serviced while continuous operation is not interrupted such as hydraulic, gearbox, and servo systems.

Max Operating Pressure: 3600 psi (248 bar)



DLF(M)

Low Pressure High Flow Duplex Filter Assembly

Designed to maintain continuous filtration, even throughout element servicing, the DLF series filter assemblies provide two high efficiency, high capacity filter housings coupled by a user-friendly 6-way, 3 position valve that completely seals the system from the atmosphere. Use the DLF(M) to remove particulate and water from a variety of fluids and maximize your uptime.

Ideal for systems where filters must be serviced without system interruption such as hydraulic, gearbox, pulp and paper, rolling mill oil, bulk oil handling, and high flow return-line filtration.

Max Operating Pressure: 150 psi (10 bar)

Available options up to 450 psi (31 bar)

