



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.



Elements that go beyond industry standard.

DFE rated advanced media technologies provide the highest level of particulate capture and retention capabilities so your equipment operates unimpeded by contamination. With media options down to $\beta_{0.9} > 1000$ + water absorption and integral element bypass valves, you get the perfect element for your application, every time.



User friendly on a whole new scale.

With everything you need together in one tiny little package, LFW service and operation couldn't be easier. From the top loading housing to the sample ports, the LFW is built to match powerful filtration with you convenience. And with the no-tools-required swing bolt enclosure, worrying about lost parts during service becomes a thing of the past.

On board fuel filter upgrade.

New diesel engine fuel cleanliness requirements for high pressure injectors call for higher efficiency filters, rendering your existing on-board filters too small. The LFW element is sized just right and with available water absorbing media options, you'll get clean, dry fuel and the knowledge that your diesel engines are running more efficiently than ever.



AW oils, say goodbye to varnish.

LFW fitted with VTM media removes insoluble varnish, water and delivers the lowest ISO codes. Ideal for plastic injection molding and steel mill hydraulics with sensitive servo controls that fall victim to high temperature related insoluble varnish issues.



Dedicated to your success.

The LFW provides dedicated off-line or return filtration to help you stay in control of total system cleanliness and prolong the life of your critical components. With its small packaged design, the LFW housing can easily be added to existing auxiliary reservoir and gearbox side loops to tackle even your toughest contamination challenges.



Small size, huge results.

LFW provides world class filtration in all the tight spaces where you need it most with a compact wall mount arrangement. Combine multiple LFWs for a modular system and multiple filtration passes, or to combine water and particulate removal technologies in series for the perfect comprehensive filtration system.

LFW Specifications



Dimensions ¹	Height	Width	Depth
	20.9" (53 cm)	11.6" (30 cm)	13.7" (35 cm)

Mounting & Clearance Contact factory for detailed system and mounting dimensions.

Operating Temperature 30°F to 225°F (0°C to 105°C)

Materials of Construction

Vessel Carbon steel with industrial coating	Element Bypass Valve Nickle plated steel
---	--

Media Description

M G8 Dualglass, our latest generation of DFE rated, high performance glass media for all hydraulic & lubrication fluids. $\beta_{x_{(C)}} = 1000$ ($\beta_x = 200$)	A G8 Dualglass high performance media combined with water removal scrim. $\beta_{x_{(C)}} = 1000$ ($\beta_x = 200$)	VTM $\beta_{0.9_{(C)}} = 1000$ particulate, insoluble oxidation byproduct and water removal media	W Stainless steel wire mesh media $\beta_{x_{(C)}} = 1000$ ($\beta_x = 200$)
--	--	---	---

Viscosity Refer to clean ΔP Factors table below. Hy-Pro recommends 5 psid (0.3 bard) as a clean pressure drop.

Fluid Compatibility Petroleum and mineral based fluids (standard). For poly ester, phosphate ester, and other specified synthetic fluids use fluorocarbon seal option or contact factory.

ΔP Factors²	Media	VTM	0.5M	1M	3M	6M	10M	16M	25M	**W
	psid/gpm (bar/lpm)	0.170 (0.012)	0.167 (0.012)	0.098 (0.007)	0.060 (0.004)	0.039 (0.003)	0.025 (0.002)	0.020 (0.001)	0.016 (0.001)	0.003 (<0.001)

¹Dimensions are approximations taken from base model and will vary according to options chosen.
² ΔP factors assume $\mu = 150$ sus, 32 centistokes. Contact Hy-Pro for viscosity conversion and media selection assistance.