

Hama Hydraulics Premium Hammer Return Filter Kits

Complete Hydraulic System Protection for 1-Tonne to 120-Tonne Excavators



The Danger of Hydraulic Attachments

Operating hydraulic breakers, hammers, and compactors places immense stress on your machinery. These high-vibration attachments generate massive amounts of microscopic metallic particles and rubber debris.

Without a dedicated filtration loop, these contaminants flow directly back into your excavator's main hydraulic tank. This leads to premature valve wear, compromised seal integrity, and eventual catastrophic failure of your main hydraulic pump costing tens of thousands of dollars in repairs and weeks of costly machine downtime.

The Engineered Solution

Our Hammer Return Filter Kit acts as a dedicated bodyguard for your excavator. Installed directly into the return line, it intercepts contaminated oil straight from the attachment, routing it through a high-capacity, low-micron element before it ever reaches your main reservoir.

Key Benefit Highlights

- **Stop Pump Failure:** Eliminates up to 99% of damaging particulate matter before it can contaminate your primary hydraulic system.
- **Zero Backpressure Risk:** Engineered with high-flow internal bypass valves to safely handle extreme hydraulic return spikes without stalling your attachment.
- **Extended Fluid Life:** Keeps your overall hydraulic oil cleaner for longer, drastically reducing your oil replacement intervals and routine maintenance costs.
- **Universal Fleet Integration:** Heavy-duty, bolt-on mounting brackets allow seamless installation across all major machinery brands.

Technical Specifications & Engineering Data	
Feature	Specification Details
Machine Range	Suitable for all machinery from 1-Tonne mini excavators up to 120-Tonne mining class units
Filtration Rating	10-Micron Absolute (beta 10 ratio greater than or equal to 200) high-efficiency fiberglass
Flow Capacity	Models available from 20 L/min up to 1,200 L/min (Standard 660 series rated up to 610 L/min)
System Pressure Rating	Rated for nominal operating pressures up to 420 Bar (Handles return line spikes up to 35 Bar / 500 PSI)
Housing Material	Heavy-duty, commercial-grade SG Iron (EN-GJS 400-15) head with a high-tensile steel bowl
Fluid Temperature Range	Engineered for extreme environments ranging from -30 degrees C up to +100 degrees C
Clogging Indicator	Integrated differential pressure measurement with a 5.0 Bar response trigger
Internal Bypass	Optional high-flow safety bypass valve configured to crack at 6.0 Bar
Fluid Capacity	3.0-Litre internal pressure chamber capacity
Total Unit Weight	31.6 kg (One-piece heavy-duty assembly)
Compatibility	Caterpillar (Next Gen, 301-395 series), Komatsu (PC18-PC1250), John Deere (E-series, G-series), Hitachi (ZX-series), Kobelco (SK-series), Volvo (EC-series), Yanmar (ViO/SV series), Kubota (KX/U series), JCB (JS-series), SANY (SY-series), Bobcat (E-series), Hyundai (HX-series), Case (CX-series), and Takeuchi (TB-series)
Kit Inclusions	Heavy-duty filter housing, 10 micron high-capacity fiberglass element, integrated visual pressure gauge, internal high-flow bypass valve, vehicle-specific heavy-duty mounting bracket, commercial-grade installation hardware, premium four-spiral steel wire reinforced hydraulic hoses (high-impulse whip lines rated for severe dynamic pressure cycles), and complete system plumbing adapters (heavy-duty carbon steel fittings in BSP, JIC, and ORFS configurations to match fleet specifications)



Alternative Industry Terms & Cross-References

To assist fleet procurement managers and service technicians, this high-pressure protection assembly is also commonly referred to in the industry as a:

- Breaker return filter kit or hydraulic hammer line filter
- Auxiliary circuit return line filter or attachment filtration loop
- Excavator high-pressure inline filter assembly
- Rock breaker protection filter or high-vibration hydraulic debris trap
- Secondary return line canister or outbound hydraulic fluid polisher
-

Servicing Guidelines & Maintenance Intervals

To guarantee 100% protection of your excavator's primary hydraulic pumps, follow these commercial maintenance intervals:

- Initial Run-In: Replace the filter element after the first 50 hours of attachment operation.
- Routine Maintenance: Replace the element every 250 to 500 hours (matching your standard engine oil service intervals), or immediately if the pressure gauge needle moves into the red zone.
- Visual Indicator Check: Walk around and check the kit's built-in pressure gauge weekly while the hydraulic hammer is running at operating temperature.
- Annual Renewal: We generally recommend changing the filter element after one year of operation at the latest, regardless of hours logged.

Secure Your Fleet's Uptime Today

Don't wait for a costly system failure to upgrade your hydraulic filtration. Secure your equipment investment with a commercial-grade filtration solution built for harsh operating environments.

- Warranty Assurance: Backed by a comprehensive 12-Month Manufacturer's Warranty on all housings and brackets.
- Inventory Status: In stock and ready for immediate global dispatch.

