



Clean fluid is essential

Improving system fluid cleanliness levels, providing better cold start performance and meeting service interval expectations are the primary objectives in the design of Baldwin hydraulic products. Maintaining system cleanliness through proper filtration is essential to insure maximum efficiency and reliability.

To improve system cleanliness, Baldwin Filters offers its PureForce hydraulic filter product line, a new alternative for medium-pressure hydraulic assemblies.

Baldwin's PureForce product line brings many advantages, including the ability to consistently outperform the leading competitor. Baldwin PureForce filters, bases and selfhoused indicators all work together to protect hydraulic systems.

The PureForce product line allows users to customize filtration systems to meet their needs by using a combination of bases, indicators and a selection of quality Baldwin hydraulic filters.

Baldwin's PureForce filters are engineered to withstand extreme conditions created by medium-pressure hydraulic systems, with working pressure up to 500 psi and flow rates up to 50 gpm.

PureForce 4" and 5" diameter hydraulic filter bases feature superior construction and strength. To improve durability and enhance system performance, Baldwin designed a two-piece base. The PureForce bases feature die cast aluminum construction with a integral threaded steel stud.

Indicators are essential to maximizing the life of a replaceable hydraulic filter. Baldwin offers a visual indicator and three types of electrical indicators.

Depend on Baldwin Filters

Protect your equipment with heavy-duty Baldwin filters. When it comes to coverage, Baldwin Filters provides the widest range of heavy-duty lube, air, fuel, coolant, hydraulic and transmission filters in the industry.

Baldwin consistently manufactures filters designed to meet or exceed the quality, performance and supply requirements of original equipment and aftermarket customers.

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Hydraulic System protection



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TS 16949
ISO 9001



QUALITY SYSTEM
CERTIFIED

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Heavy-duty protection

As hydraulic systems are becoming more sophisticated, the hydraulic filter has become a critical component. With the need for closer tolerances, faster cycle times, higher pressures and extended service intervals, more demand is being placed on the hydraulic filter.

Proper filtration starts with selecting the right filter based on the original equipment manufacturer's recommendations, which include:

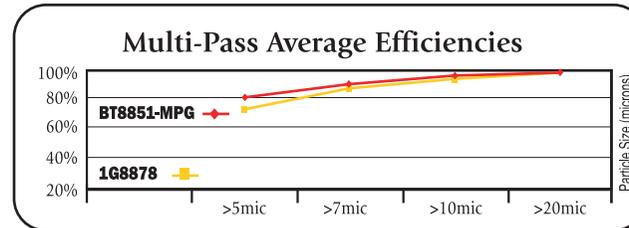
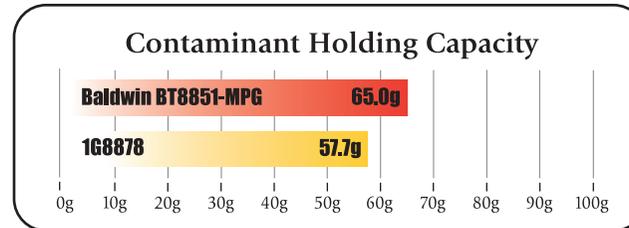
- The type of fluid used and the system operating pressure.
- The amount of fluid flow required for system operation.
- The amount of restriction (resistance to fluid flow) caused by the filter.
- The amount of contaminant the filter needs to be able to trap and hold in order to meet service interval expectations.
- The level of filtration (fluid cleanliness level) required by the specific application.

In addition to these factors, Baldwin takes into account that hydraulic systems are using more filters than ever. Increased sophistication and the use of sensitive, close-tolerance components often require strategic location of several filters instead of just one. Baldwin offers more than 850 hydraulic filters to meet these needs.

Maximum performance

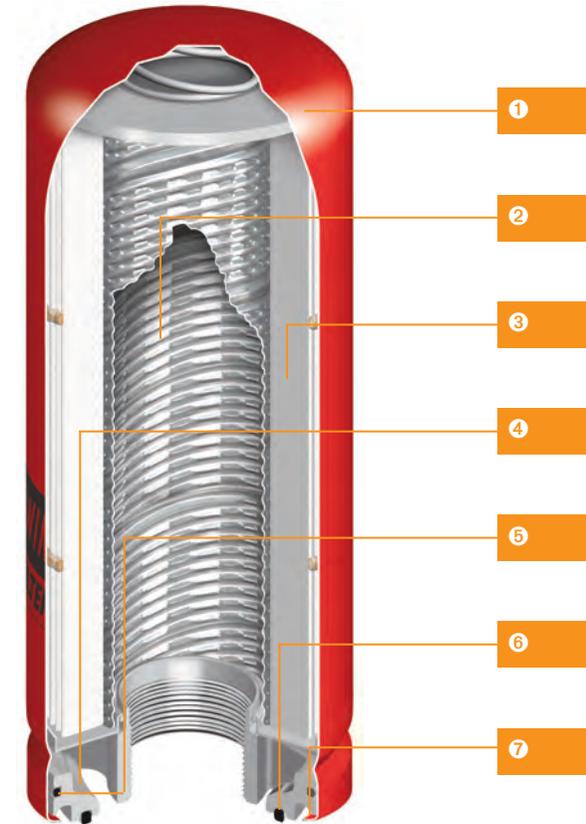
Baldwin filters are manufactured to meet or exceed original equipment specifications established by equipment manufacturers.

ISO 16889 tests show Baldwin Filters exceeds the standards for contaminant removal efficiency and contaminant holding capacity. The following product comparisons illustrate Baldwin's superior performance.



ISO 16889 Test: Flow Rate 20 gpm, 104 °F, ISO Medium Test Dust, Termination at 25 psid

Medium Pressure Hydraulic



- 1 **Heavy-Duty, All-Metal Housing** is built to handle the stress and punishment of sophisticated, modern hydraulic systems.
- 2 **Spiral Seamed Centertube** helps prevent collapse caused by a sudden difference between internal and external pressure.
- 3 **High Efficiency Media**, either synthetic or cellulose, is designed to meet or exceed the requirements demanded by the OEM.
- 4 **Heavy-Duty Baseplate** is constructed of aluminum, offering the strength and durability necessary for 500 psi/3450 kPa hydraulic systems.
- 5 **Integral Housing Seal** prevents leakage.
- 6 **Heavy-Duty O-Ring Seal** requires only 1/2 turn after gasket contact, for easier installation.
- 7 **L-Lock Hem** joins the canister and baseplate to protect against high-pressure surges.

