Our full line of hydraulic transmission and power steering solutions, including our proven Duramax® filters with Synteq™ media technology, help protect critical components from wear and maintain peak operating performance.
Solutions for your systems

At Donaldson, we offer a broad range of low, mid and high pressure filters, available in spin-on and cartridge styles to accommodate most transmission and power steering system needs. We provide reliable solutions to meet your specific requirements – keeping your equipment operating at peak performance.

Proven Performance.

Our line of filters is designed to deliver:
• Quality and value
• Robust construction
• Variety of media choices
• Maximum uptime
• Peak operating performance
• Longer equipment life

Low-Pressure Spin-ons
Donaldson offers a complete line of low pressure spin-on replacement filters. They are designed to install easily into existing systems, or can be paired with one of our cast aluminum heads.

Duramax® Mid-Pressure Solution
Donaldson Duramax filters, well-known as the highest rated spin-on style filters available, are reliable, long-lived and easy to install and service. They feature our proven, high performing Synteq® filter media, available in a range of performance grades and ratings.

High Pressure In-Line Cartridges
Donaldson high pressure filters help protect critical components from catastrophic failure. Heavy-duty high pressure filters are rated for working pressures up to 6500 psi (44818 kPa). Various porting sizes and types, including manifold style, are available for a wide range of applications.

Cartridge Filters
Donaldson offers a full line of cartridge-style replacement filters available with a variety of media options.

Our filters provide versatile solutions to work with your existing hydraulic or transmission systems.

Synteq™ Media (Synthetic)
Synthetic fibers are man-made, smooth, rounded and provide the least resistance to flow. Their consistent shape allows for control of the fiber size and distribution pattern throughout the media mat to create the smoothest, least inhibited fluid flow. Consistency of fiber shape allows the maximum amount of contaminant-catching surface area and specific pore size control. The result is media with predictable filtration efficiencies removing specified contaminants and maximum dirt holding capacity.

The low resistance of synthetic media to fluid flow makes it ideal for use with synthetic fluids, water glycols, water/oil emulsions, HWCF and petroleum-based fluids.

HOW IT WORKS
# Competitive Cross Reference

## Donaldson Part No. Application Baldwin Fleetguard Luber-Finer Wix

### Transmission Filter Kits

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Application</th>
<th>Baldwin</th>
<th>Fleetguard</th>
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### Transmission Cartridges

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### Duramax® Hydraulic Spin-ons

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### Hydraulic Spin-ons

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## Typical Hydraulic Circuit and Filter Locations

### Filter in a Circuit Symbol

- **Actuator**
- **Directional Valve**
- **Line Accessories**
- **High Pressure Filtration**
- **Medium Pressure Filtration**
- **Low Pressure Filtration**
- **Reservoir Accessories**
- **Breathers**
- **Suction Line Filter**
- **Pressure Line Filter**

### In-Line Accessories

- Pressure gauges for monitoring system pressure. Hoses and test points for sampling oil and determining ISO cleanliness levels. Flanges and valves for system control.

- **Return Line Filter**
- Captures debris from component wear or ingestion before it travels into the reservoir.

- **In-tank Return Line Filter**
- Space-saving in-tank return and suction line filters.

### Off-Line Filtration

- **Kidney Loop Filters**
- Off-line filtration supplements system cleanliness. Use with stationary and mobile equipment to achieve and maintain proper ISO cleanliness levels.

### Pressure Line Filter

- Protects high-pressure side components. Helps prevent component wear or failure brought about by debris in the system.

### Suction Line Filter

- Designed to remove particles in the 5 to 150 micron range. Easy to service and less expensive than other types of filters. Low by-pass valve use recommended to prevent pump starvation.

### Reservoir Air Breather

- Prevents ingestion of airborne contaminants from entering the reservoir tank.

### Suction Strainer

- Removes large particles or objects built into the system during assembly or introduced during standard maintenance. Prevents catastrophic failure. Also known as a safety filter.

### Reservoir Tank

- Water in reservoir tanks is a serious threat to hydraulic systems. Dirt, particles and microbial growth are also common contaminants in tanks.

### Reservoir Accessories

- Sight and level gauges available. Diffusers are used for effectively reducing aeration, foaming, turbulence and noise caused by return lines.

### Typical Hydraulic Circuit and Filter Locations

- **Medium Pressure Filtration**
- **In-Line Accessories**
- **Reservoir Accessories**
- **Breathers**
- **Suction Line Filter**
- **Pressure Line Filter**
- **Reservoir Air Breather**
- **Suction Strainer**
- **Reservoir Tank**
- **Reservoir Accessories**
- **Kidney Loop Filters**

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- **South Africa** 27-11-997-6000
- **South East Asia** 65-6311-7373
- **Greater China** 852-2405-8388
- **Japan** 81-42-540-4112
- **Korea** 82-2-517-3333
- **Australia** 61-02-4350-2033
- **India** 91-124-2290060

### Brochure No. F111330 ENG (4/20)

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