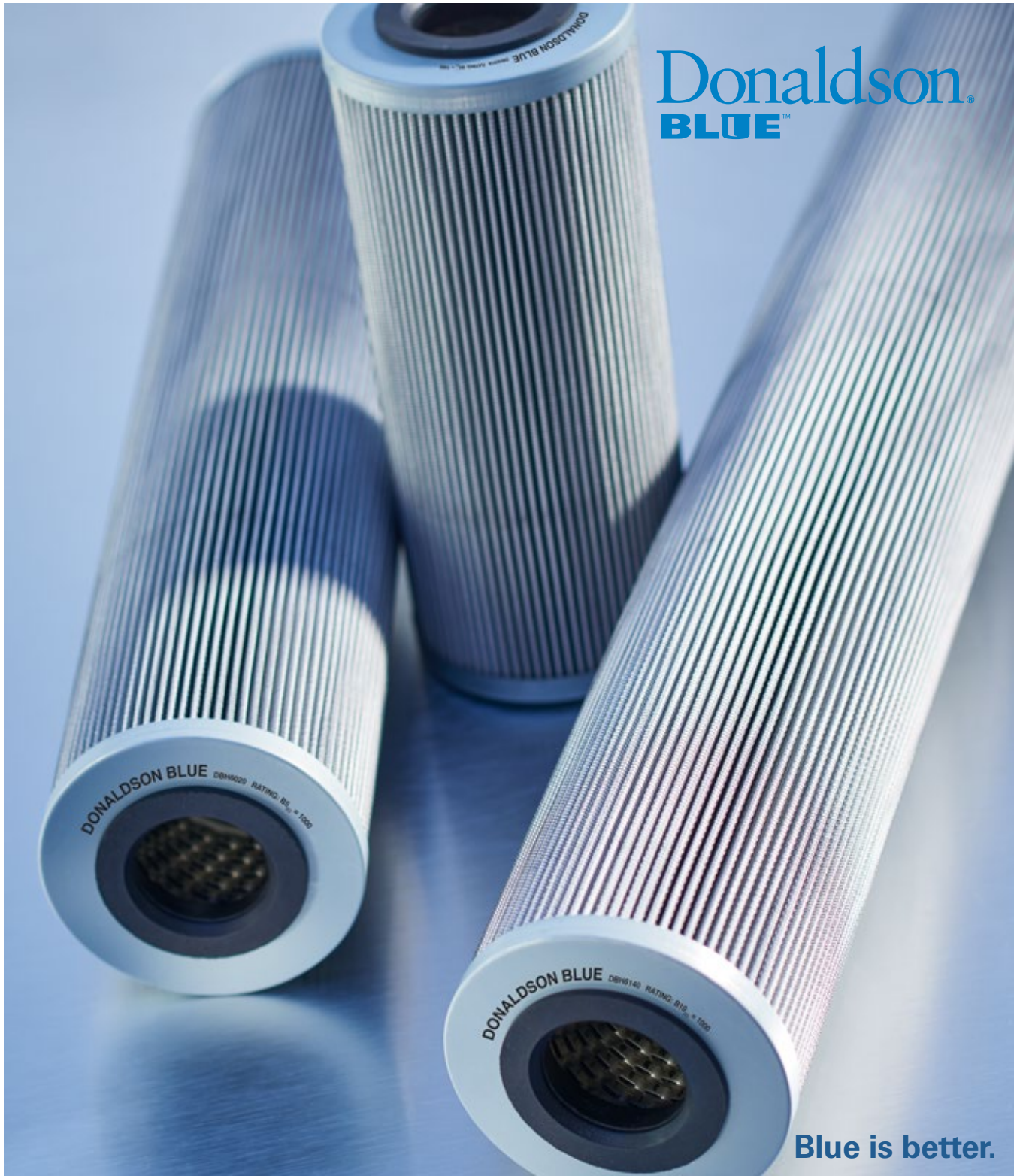




Donaldson Delivers

# Donaldson Blue™

Hydraulic Filters for Schroeder® KZ5 & KZ10 Series



**Blue is better.**

Schroeder® is a registered trademark of Schroeder Industries, LLC.

# Donaldson Blue™ Hydraulic Cartridges

We're expanding our **Donaldson Blue** product line with a first ever **Donaldson Blue Hydraulic Filters**.

Like the rest of the **Donaldson Blue** line of air, lube, fuel and bulk tank filters, these new hydraulic filters offer best-in-class performance. **Donaldson Blue Hydraulic Filters** deliver significant advantages over competitive filters.

- **Superior efficiency** – for *cleaner fluid and less damaging contaminant* in your hydraulic systems
- **Longer filter life** – for *extended filter change intervals*, reducing time and expense for servicing equipment
- **Reduced flow restriction** – to *minimize energy loss and time in filter bypass*, even during cold starts

Long story short – **Donaldson Blue Hydraulic Filters** deliver better system protection and performance when compared with Schroeder KZ5 and KZ10 filters.



## By the Numbers

How do Donaldson Blue Hydraulic Filters deliver increased system protection and reduced operating costs? They deliver the optimal balance of efficiency, capacity and flow restriction. Proof is in the performance.

### Efficiency

- DBH6018 – 5 micron filters remove 1.5 times more contaminant than Schroeder KZ5
- DBH6019 – 10 micron filters remove 14 times more contaminant than Schroeder KZ10

### Capacity

- DBH6018 delivers 18% greater contaminant holding capacity (longer filter life) than Schroeder KZ5
- DBH6019 delivers 34% greater contaminant holding capacity than Schroeder KZ10

### Flow Restriction

- Donaldson Blue Hydraulic filters deliver up to 37% lower restriction than Schroeder KZ filters

**Donaldson Blue Hydraulic Filters help protect equipment, reduce maintenance cost and increase equipment uptime – which has a direct impact on your bottom line.**

# Superior Efficiency, Better Protection

Donaldson Blue™ filters **outperform**

Schroeder KZ5 and KZ10 filters at both the 5 micron and 10 micron levels.

Donaldson Blue filters achieve efficiencies reaching up to 14x higher than Schroeder, delivering cleaner fluid, better performance and better protection throughout the lifetime of your equipment.

Efficiencies are compared by forming beta ratios, which are represented by *contaminant-in* divided by *contaminant-out*.

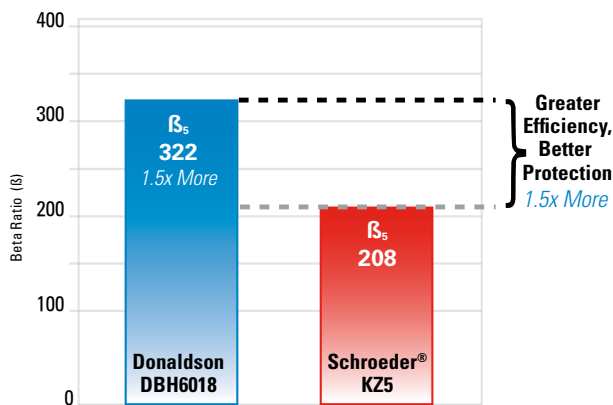
START TO FINISH

# 1.5-14x

## more efficient

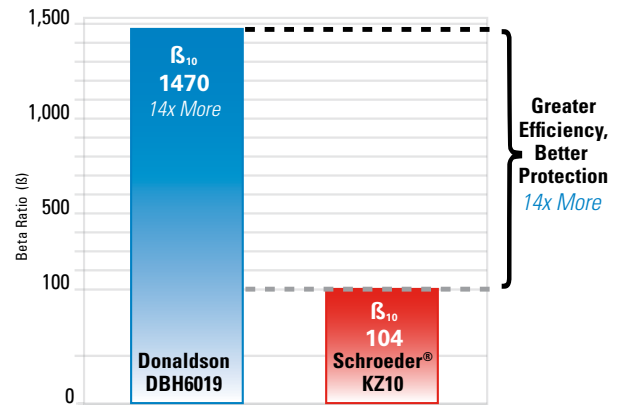
than Schroeder KZ5 & KZ10 Aftermarket Filters

**Beta Ratio (β) @ 5μm particle size<sup>1</sup>**



<sup>1</sup>Tested per ISO 16889 at 53 GPM / 200 LPM. Termination at 50 PSI / 345 kPa.

**Beta Ratio (β) @ 10μm particle size<sup>2</sup>**

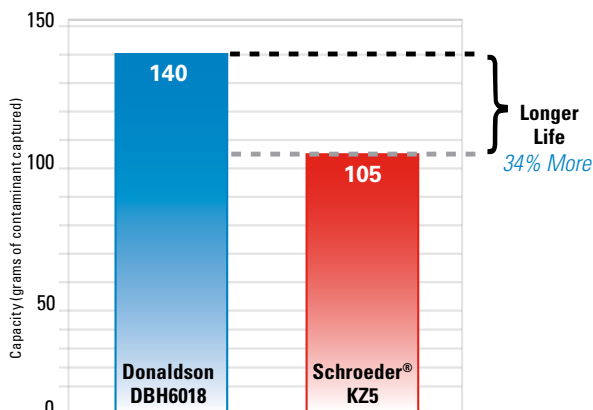


<sup>2</sup>Tested per ISO 16889 at 53 GPM / 200 LPM. Termination at 50 PSI / 345 kPa.

## Longer Filter Life

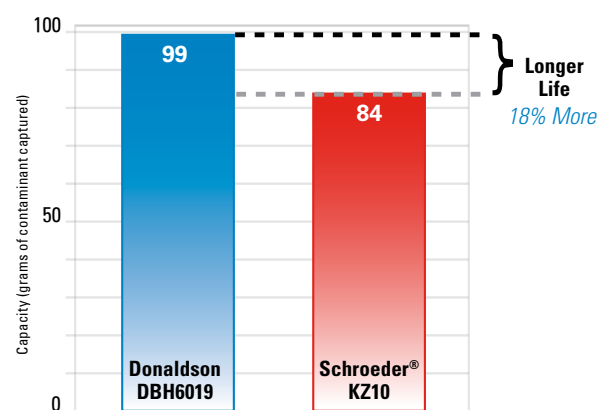
Greater contaminant holding capacity means longer filter life, so you maximize your uptime and spend less time and money servicing equipment.

**Contaminant Holding Capacity<sup>3</sup> 5μm**



<sup>3</sup>Tested per ISO 16889 at 53 GPM / 200 LPM. Termination at 50 PSI / 345 kPa.

**Contaminant Holding Capacity<sup>4</sup> 10μm**



<sup>4</sup>Tested per ISO 16889 at 53 GPM / 200 LPM. Termination at 50 PSI / 345 kPa.

# Reduced Flow Restriction

## Lower Pressure Drop – Better Filtration Performance

Lower pressure drop (lower flow resistance) means your system is less likely to operate in bypass mode, which can result in contamination bypassing the filter and damaging critical components in your system. Lower pressure drop also results in reduced system energy loss.

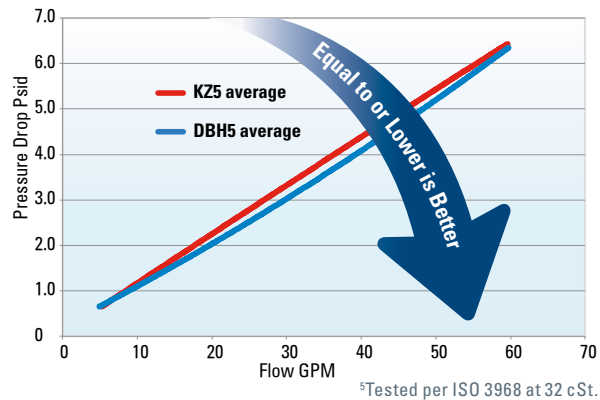
As the graphs show, **Donaldson Blue™ Hydraulic** filters have equal-to or lower pressure drop than Schroeder KZ series cartridges (**up to 37% lower** for the KZ10).

**Donaldson Blue Hydraulic** filters deliver. **Blue is better.**

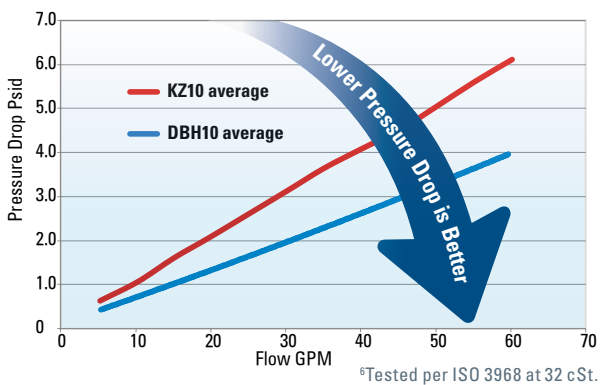
## Cross Reference

**Donaldson Blue Hydraulic** filters cross reference to a variety of popular filter brands listed below.

**DBH6018 vs KZ5 Pressure Drop<sup>5</sup>**



**DBH6019 vs KZ10 Pressure Drop<sup>6</sup>**



Donaldson Blue	Schroeder®	Hydac®	Pall®	Parker®	Hy-Pro®
<b>DBH6018</b>	KZ5	2060529	HC9700FKN9H or CN9H	HF4L10VQ	HPKL9-6MB
<b>DBH6019</b>	KZ10	2060530	HC9700FKS9H or CS9H	HF4L15VQ	HPKL9-12MB
<b>DBH6020</b>	KKZ5	2060431	HC9700FKN18H or CN18H	932678Q	HPKL18-6MB
<b>DBH6138</b>	KKZ10	2060432	HC9700FKS18H or CS18H	932679Q	HPKL18-12MB
<b>DBH6139</b>	27KZ5	2065004	HC9700FKN27H or CN27H	933487Q	HPKL27-6MB
<b>DBH6140</b>	27KZ10	2065005	HC9700FKS27H or CS27H	933488Q	HPKL27-12MB

Schroeder® is a registered trademark of Schroeder Industries, LLC. Hydac® is a registered trademark of Hydac Technology GmbH. Pall® is a registered trademark of Pall Corporation. Parker®/Parker-Hannifin is a registered trademark of Parker Intangibles, LLC. Hy-Pro® is a registered trademark of Hy-Pro Filtration.



Donaldson Company, Inc.  
PO Box 1299  
Minneapolis, MN  
55440-1299  
[www.donaldson.com](http://www.donaldson.com)  
[www.donaldsonfilters.com](http://www.donaldsonfilters.com)

North America 800-374-1374  
Mexico +52-449-910-6150  
Latin Am. & Caribbean +52-449-910-6150  
Brazil +55-11-2119-1604  
Europe +32-16-38-3811  
South Africa +27-11-997-6000

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

Brochure No. F111426 ENG (11/15)

©2015 Donaldson Company, Inc. All rights reserved.  
Donaldson Company, Inc. reserves the right to change or discontinue any model or specification at any time and without notice. Printed in the U.S.A.

