



Clean Fuel & Lubricant Solutions

# DBB8665 Competitive Comparison



## DBB8665 vs RH-878-07Q

Donaldson Blue® bulk storage filters (DBB8665) offer a combination of best-in-class efficiency/fuel cleanliness – helping to **increase engine protection and reduce operating costs.**

## Efficiency Really Matters

For High Pressure Common Rail (HPCR) engines, filtration efficiency/fuel cleanliness is what's most important in determining filter performance.

In head-to-head comparisons, **Donaldson Blue® (DBB8665) filters outperformed Parker/Baldwin® (RH-878-07Q) filters.**

During a recent multi-pass lab test, RH-878-07Q Parker filters and DBB8665 Donaldson Blue filters were tested for efficiency and capacity. All Donaldson filters tested **exceeded** 7 micron at Beta 2000, whereas the majority of the Parker filters did **not** meet Beta 2000\*. Beta rating is a measurement that identifies how efficient a filter is at removing contaminant that is equivalent to or larger than a certain particle size. On average, the DBB8665 had **3x greater efficiency and 3x better capacity.**

\*Particle retention was tested to ISO 16889 multi-pass test standards. Test conducted April 2019 with a sample size of five filters per manufacturer.

## Advanced Fuel Filtration Technology

Studies show that even sub-micron contaminant can cause injector damage, which can ultimately lead to unplanned downtime and increased maintenance cost.

**Donaldson Synteq XP™ media** used in Donaldson Blue filters is constructed of multiple layers, with each layer is designed to capture a different particle size.

## More Efficient Options

A low efficiency/low-capacity filter may compromise your equipment and lead to unplanned downtime. Donaldson offers additional filter options that outperform Parker/Baldwin's RH-878-07Q. For optimal fuel filtration, we recommend choosing a filter that contains our proprietary D.E.R.T. technology — DBB8666 and DBB8777. To maximize efficiency and capacity, choose DBB8777.

## Static Reduction Options

Donaldson Electrostatic Reduction Technology (D.E.R.T.)

In some bulk storage transfer situations, electrostatic discharge can occur when non-conductive fluids pass through tight filter media at high flow rates (usually more than 115 lpm / 30 gpm). This can ultimately lead to damaged media, because the electrical charge can burn holes through the fibers, letting harmful contaminant pass through to the engine.

Donaldson DBB8666 filters, with electrostatic reduction technology, **have been successfully used to reduce the damage caused by static for more than a decade.**

Donaldson's highly effective D.E.R.T technology uses a layered process to reduce the development of a static charge. For more than a decade, Donaldson has filtered over 3.8 million liters / 10 billion gallons of fuel with no known damage due to excessive static discharge.

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