PETRO INDUSTRIAL

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Donaldson.
Filtration Solutions

FILTER ELEMENTS

DIESEL IS DIRTY.
As diesel travels from refinery to terminal locations to local bulk storage and finally to your bulk tank, it picks up contamination that is deadly to today's engines.

DIRT IS BAD.
Your local distributor likely delivers diesel that meets or exceeds fuel-industry standards for cleanliness.
This may not be clean enough for your equipment.

REMOVE THE DIRT. ACHIEVE MORE.
By filtering out dirt, water and other contaminants before your fuel ever touches your equipment, you'll minimise costly downtime, keep running and achieve more.

WATER PROTECTION:

Are your bulk fluids passing large amounts of free water downstream – contaminating vehicles and equipment?

Donaldson's water absorbing filter with super absorbent polymer media, DBB0248, will stop flow if large amounts of free water are detected in your ethanol-free fluids. Designing systems with water absorbing filters requires careful sizing considerations. A specialist will assist in configuring a system that meets your specific needs for flow and pressure drop.

FILTER ELEMENT DIMENSIONS:

Code: DBB5333 Code: DBB7733	5″ x 7.5″ / 12.7cm x 19.1cm
Code: DBB8666 Code: DBB8777 Code: DBB8665 Code: DBB8664 Code: DBB0248	5″ x 14.25″ / 12.7cm x 36.2cm

ACHIEVING TARGET CLEANLINESS:

ISO 4406 contamination codes are a way to express fluid cleanliness. The three numbers correspond to the number of particles 4 microns and larger, 6 microns and larger, and 14 microns and larger present in the fluid. This illustrates what it means to start with a contamination of ISO 22/21/18 and target a cleanliness of ISO 14/13/11.

RECOMMENDED ISO CLEANLINESS RATINGS:

ISO 22/21/18
Typical cleanliness as fluid goes into your equipment

ISO 14/13/11
Target rating for diesel fuel

ISO 16/14/11
Target rating for hydraulic/ transmission oils

ISO 18/16/13
Target rating for heavy gear/engine oils

Compact Fuel Filter

DBB5333

Compact Fuel Filter

DBB7733

Fuel Filter

DBB8666

Fuel Filter

DBB8777

Light Oil Filter

DBB8665

Heavy Oil Filter

DBB8664

Water Absorbing Filter

DBB0248

FILTER ELEMENT OPTIONS:

Code	Target ISO Cleanliness	Micron Rating & Efficiency	Fuel Compatibility	Viscocity Range	Working Pressure	Element Collapse Pressure	Rated Static Burst	Max. Flow Range	Operating Temp.
DBB5333 D.E.R.T.	14/13/11	4 micron @ Beta 2000	All Diesel Fuels	<100cSt	350 psi 2413 kpa 24.1 bar	150 psi 1034 kpa 10.3 bar	800 psi 5516 kpa 55.2 bar	32gpm 121Lpm	-40 to 245°F -40 to 118°C
DBB7733 D.E.R.T.	16/14/11	7 micron @ Beta 2000	All Diesel Fuels	<100cSt	350 psi 2413 kpa 24.1 bar	150 psi 1034 kpa 10.3 bar	800 psi 5516 kpa 55.2 bar	32gpm 121Lpm	-40 to 245°F -40 to 118°C
DBB8666 D.E.R.T.	14/13/11	4 micron @ Beta 2000	All Diesel Fuels	<100cSt	350 psi 2413 kpa 24.1 bar	150 psi 1034 kpa 10.3 bar	800 psi 5516 kpa 55.2 bar	65gpm 2446Lpm	-40 to 245°F -40 to 118°C
DBB8777 D.E.R.T.	16/14/11	7 micron @ Beta 2000	All Diesel Fuels	<100cSt	350 psi 2413 kpa 24.1 bar	150 psi 1034 kpa 10.3 bar	800 psi 5516 kpa 55.2 bar	65gpm 2446Lpm	-40 to 245°F -40 to 118°C
DBB8665	16/14/11	7 micron @ Beta 2000	Transmission & Hydraulic Oil	<500cSt	350 psi 2413 kpa 24.1 bar	150 psi 1034 kpa 10.3 bar	800 psi 5516 kpa 55.2 bar	65gpm 2446Lpm	-40 to 190°F -40 to 88°C
DBB8664	18/16/13	25 micron @ Beta 2000	Engine & Gear Oil	<6000cSt	350 psi 2413 kpa 24.1 bar	150 psi 1034 kpa 10.3 bar	800 psi 5516 kpa 55.2 bar	65gpm 2446Lpm	-40 to 245°F -40 to 118°C
DBB0248	NA	NA	Ethanol-free Fluids	<1500cSt	350 psi 2413 kpa 24.1 bar	150 psi 1034 kpa 10.3 bar	800 psi 5516 kpa 55.2 bar	65gpm 2446Lpm	-40 to 245°F -40 to 118°C

D.E.R.T.™ Donaldson Electrostatic Reduction Technology prevents media damage during high flow fuel applications. Select the proper filter by fluid type and OE recommended ISO code. Do not over-filter fluids – It may result in stripping of beneficial additive. Actual flow rate varies based on fluid viscosity, pumping pressure and filter loading.