



Clean Fuel and Lubricant Solutions
**Fuel Filter Kits for Diesel Engines
and Bulk Fuel Tanks**







Diesel Fuel Filter Kits

FOR DIESEL AND HPCR ENGINES

Worn fuel pumps or failed injectors can spoil your day just as quickly as they can lead to unexpected expenses. Donaldson diesel fuel filter kits help protect you from both, delivering clean, filtered fuel to your engine and preventing costly damage while ensuring smoother performance.

Dirt and water are major threats to fuel systems, significantly reducing the lifespan of key components. If your vehicle operates in harsh conditions or in areas where fuel cleanliness is unreliable, we strongly recommend installing additional primary fuel filtration for enhanced engine protection and long-term performance.



-  For 4WD and heavy-duty applications
-  Includes bonus filter element - Keep one in the vehicle as a spare for an emergency
-  Supports flow ranges up to 379 lph
-  High efficiency versions available



Added Protection

for diesel and HPCR engines

DIESEL FUEL FILTER KITS

Maximum Operating Pressure

30 psi / 210 kPa / 2.1 bar with bowl

100 psi / 690 kPa / 6.9 bar without bowl

Operating Temperature

-40°C to 121°C

Part No	Flow Rate	Head Assembly	Replacement Filter Part No	Fittings	Bowl	WIF Sensor
3µm HIGH EFFICIENCY DIESEL FUEL FILTER KIT (B₃ = 100 (99% @ 3 micron))						
P903316	114 lph	1/4" - 18 NPTF	P551615	2 x Straight Fitting 1 x Right-Angle Fitting	•	Optional
X900167	220 lph	M14 x 1.5 Priming Pump	P581681	2 x Straight Fitting	•	Optional
X900169	245 lph	M14 x 1.5	P581681	2 x Straight Fitting	•	Optional
P903074	379 lph	½" - 14 NPTF	P553207	2 x Straight Fitting	•	Optional
11µm DIESEL FUEL FILTER KIT (B₁₁ = 100 (99% @ 11 micron))						
P902976	114 lph	1/4" - 18 NPTF	P550588	2 x Straight Fitting 1 x Right-Angle Fitting	•	Optional

Fuel line fittings and port plugs included.
Water collection bowl included with kits - optional use



INDICATORS (optional)

Part No	Description	Comments
X220052	M12 x 1.5 Visual, Stepped	4 Steps to 5 psi / 34 kPa
X220057	M12 x 1.5 Electrical	Set point 5 psi / 34 kPa
P506153	M12 - M14 Adaptor	
X220112	Water-in-Fuel Sensor LED Kit	6V to 30V DC Power Supply

Restriction Indicators for installation on SUCTION side of head assembly in suction applications.



Not sure how often you should drain the water from your fuel filter?

Donaldson's Water in Fuel Sensor LED Kit provides a visual alert when separated water is detected in the filter, indicating the need for drainage. Kit includes a drain valve with electrical plug, wiring loom, and an adjustable LED display for easy dash mounting.

► [Learn More](#)

FITS ALL
DONALDSON
TWIST&DRAIN™
FUEL FILTERS

Bulk Fuel Filter Kits

FOR BULK FUEL TANKS AND MOBILE SERVICE TRUCKS

Clean diesel is essential for the reliable performance of modern equipment. Without it, your operations risk unplanned downtime and higher costs. While you can't always control the quality of diesel delivered, you can ensure it's clean when fueling your vehicles and equipment.

Donaldson Bulk Fuel Filter Kits prevent premature plugging of on-board fuel filters and reduce maintenance costs and downtime. They are designed for easy installation on any fuel dispenser and include everything needed to effectively filter out even the finest contaminants before they reach your equipment's fuel system.



Easy to install



Recommended for all diesel and bio-diesel blends



Supports flow ranges up to 375 lph



High efficiency versions available



Added Protection
for diesel fuel at the dispenser

BULK FUEL TANK KITS

Operating Pressure

150 psi / 1034 kPa / 10.3 bar

Operating Temperature

-20°C to 107°C

Application	Flow Rate	Kit Part No.	Micron Rating Efficiency	Head Assembly	Filter	T.R.A.P Breather
Gravity fed or low pressure over-head and portable tanks	220 lpm	P902973	B ₁₀ = 200 (99.5% @ 10 micron)	SAE-20 / 1" BSP/G	P574959	P564669 **
		X900133	B ₁₀ = 200 (99.5% @ 10 micron)	SAE-20	P574959	P566151 **
		X900134	B ₁₀ = 200 (99.5% @ 10 micron)	1 1/4" BSP/G	P579099	P566151 **
		X900115	B ₁₀ = 200 (99.5% @ 10 micron)	1 1/4" BSP/G	P579099	

** 1" NPT male thread inc 1" female BSP socket included.

CLEAN DIESEL KITS

Operating Pressure

350 psi / 2413 kPa / 24.1 bar

Operating Temperature

-40°C to 118°C

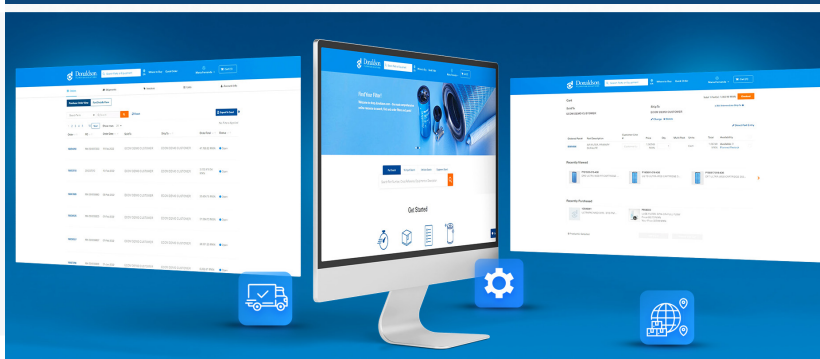
Application	Flow Rate	Kit Part No.	Micron Rating Efficiency	Head Assembly	Filter	Target ISO Cleanliness
Fuel Dispensers Mobile Service Trucks and Portable Tanks	121 lpm	X900098	B ₄ = 2,000 (99.95% @ 7 micron)	SAE-20	DBB7733	16/14/11
	189 lpm	P506073	B ₄ = 2,000 (99.95% @ 4 micron)	1 1/4" NPTF	DBB8666 DBB0248	14/13/11
		X900096	B ₇ = 2,000 (99.95% @ 7 micron)	1 1/4" NPTF	DBB8777 DBB0248	16/14/11
	375 lpm	X900018	B ₄ = 2,000 (99.95% @ 4 micron)	1 1/2" SAE 4 bolt flange / 1 1/2" BSPP	DBB8666 DBB0248	14/13/11
		X900097	B ₇ = 2,000 (99.95% @ 7 micron)	1 1/2" SAE 4 bolt flange / 1 1/2" BSPP	DBB8777 DBB0248	16/14/11

Clean Diesel and Clean & Dry Diesel Kits are not recommended for gravity fed or low pressure applications.

The Most Comprehensive Online
Site for Searching Filters and Parts
for Your Application

shop.donaldson.com

Shop.donaldson.com is
JUST A CLICK AWAY



For Complete Protection

T.R.A.P™ Breathers

THERMALLY REACTIVE ADVANCED PROTECTION

T.R.A.P™ (Thermally Reactive Advanced Protection) Breathers help prevent moisture and contaminants from entering your fuel tank, ensuring that fluids remain clean and dry. When paired with effective filtration, they provide ongoing protection against free water, airborne contamination, and microbial growth throughout storage. Always verify that the selected breather is compatible with your application's flow rates and tank specifications for optimal performance. Consult Donaldson for assistance.

► [Explore the range](#)



Mobile Tanks		Fixed Tanks to 1,000L		Fixed Tanks over 1,000L	
Part No.	Description	Part No.	Description	Part No.	Description
P767025	1/2" BSP Anti-splash	P566151	1" NPT	P923075	T.R.A.P. Breather Filter
P766645	3/4" BSP Anti-splash	P565516	Bayonet	P506159	T.R.A.P. Breather Assembly
P766646	1" BSP Anti-splash	P506113	Single T.R.A.P. P&V Assembly	P506063	Dual T.R.A.P. P&V Assembly

Clean Diesel Carts

CONVENIENT, PORTABLE OFF-LINE FILTRATION

Ensure your in-plant machinery or mobile equipment maintains optimal ISO cleanliness levels with Donaldson Clean Diesel Carts. These portable, self-contained filtration systems provide the perfect solution for fuel transfer and kidney loop filtration, ensuring clean, dry fuel in the shop and in the field.

Featuring a high-efficiency fuel filter and a water-absorbing filter, Clean Diesel Carts work to keep your diesel fuel clean and dry, protecting your High Pressure Common Rail (HPCR) engine. Ideal for workshop use, in-plant machinery, or mobile equipment, they help you achieve and maintain the ISO cleanliness standards for your fuel. ► [Explore the range](#)



► Portable and easy to use

► Kidney loop cleaning for small bulk tanks

► Delivers ISO 14/13/11 in a single pass

Your Guarantee of Reliability

BACKED BY A FULL WARRANTY



Highest performance filtration is the best preventive maintenance for hard-working vehicles. Donaldson Filters deliver increased engine and equipment protection, extended service intervals, reduced downtime and increased operating efficiency. It all adds up to maximising your up-time across your entire operation with filtration solutions from Donaldson.

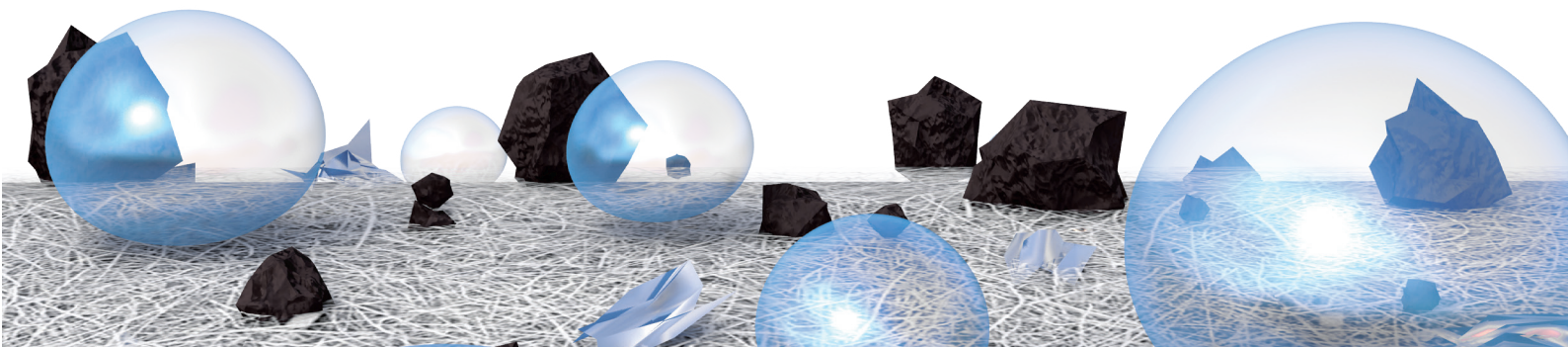
Donaldson Filters are built to the highest standard utilising quality materials. Every item in our extensive range meets or exceeds OEM Specifications and is backed by a full warranty for complete peace of mind.

For more information ► [Visit donaldson.com](http://donaldson.com)



THE PROOF IS IN THE PERFORMANCE

NOTHING ELSE PROTECTS OR PERFORMS BETTER THAN DONALDSON FILTERS





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