

FUEL FILTER KITS

FOR DIESEL ENGINES AND BULK FUEL TANKS

**IF YOU DON'T
STOP CONTAMINANTS,
THEY WILL
STOP YOU.**

Protect your investment

With additional primary filtration for severe operating conditions.

Worn fuel pumps or failed injectors ruin your day as easily as they ruin your bank account. Donaldson diesel fuel filter kits can save you both - by delivering clean, filtered fuel to your engine.

Dirt and water are the enemies of fuel systems and can dramatically reduce the service life of fuel system components. If your vehicle operates in extreme conditions, or where fuel cleanliness is uncertain, we recommend the installation of additional primary fuel filtration to provide added engine protection.

- ▶ Ideal for many 4WD and heavy-duty applications
- ▶ Includes bonus filter element - keep one in the vehicle as a spare for an emergency
- ▶ Supports flow range up to 379 lph
- ▶ High-efficiency versions available



Uncertain how often you should drain the water from your fuel filter?

Donaldson's Water in Fuel Sensor & Display Kit is designed to give a visual warning for when separated water is present in the filter and needs to be drained. The kit contains a drain valve with electrical plug, wiring loom and adjustable dash mount LED display.



Added Protection

for all diesel and high pressure common rail (HPCR) engines

Operating Pressure

Operating Temperature

80 psi / 550 kPa / 5.5 bar

-40°C to 121°C

Part No	Flow Rate	Micron Rating Efficiency	Head Assembly Port Size	Replacement Filter	Priming Pump	Bowl	WIF Sensor
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HIGH EFFICIENCY DIESEL FUEL FILTER KIT

Recommended for HPCR vehicles to 4.3L engine capacity

P903316	114 lph	B ₃ = 100 (99% @ 3 micron)	1 in, 1 out 1/4" - 18 NPTF	P551615		•	
X900165	114 lph	B ₃ = 100 (99% @ 3 micron)	1 in, 1 out 1/4" - 18 NPTF	P551615		•	•
X900167	220 lph	B ₃ = 100 (99% @ 3 micron)	2 in, 2 out M14 x 1.5	P581681	•	•	
X900168	220 lph	B ₃ = 100 (99% @ 3 micron)	2 in, 2 out M14 x 1.5	P581681	•	•	•

Recommended for vehicles with engine capacity of 4.4L and above. Suitable for smaller capacity engines also

X900169	245 lph	B ₃ = 100 (99% @ 3 micron)	2 in, 2 out M14 x 1.5	P581681		•	
X900170	245 lph	B ₃ = 100 (99% @ 3 micron)	2 in, 2 out M14 x 1.5	P581681		•	•
X900166	340 lph	B ₃ = 100 (99% @ 3 micron)	2 in, 2 out M14 x 1.5	P551313*		N/A	N/A
P903074	379 lph	B ₃ = 100 (99% @ 3 micron)	1 in, 1 out 1/2"-14 NPTF	P553207		•	

STANDARD EFFICIENCY DIESEL FUEL FILTER KIT

Recommended for non-HPCR engines to 4.3L engine capacity

P902976	114 lph	B ₁₁ = 100 (99% @ 11 micron)	1 in, 1 out 1/4" - 18 NPTF	P550588		•	
X900164	114 lph	B ₁₁ = 100 (99% @ 11 micron)	1 in, 1 out 1/4" - 18 NPTF	P550588		•	•

Fuel line fittings and port plugs included.

* Fuel Filter only not a Fuel Filter Water Separator. Operating pressure 100 psi / 690 kPa / 6.9 bar

Optional Indicators

Part No	Description	Comments
X220052	M12 x 1.5 Visual, Stepped ¹	4 Steps to 5 psi / 34 kPa
X220057	M12 x 1.5 Electrical ¹	Set point 5 psi / 34 kPa
P506153	M12 - M14 Adaptor	
X220112	Water-in-Fuel Sensor LED Display Kit	6V to 30V DC Power Supply Dash mount Display: 66.3mm (w) x 50mm (h) x 15.4mm (d)

¹Restriction Indicators for installation on SUCTION side of head assembly in suction applications.

Clean diesel fuel at the dispenser

Clean diesel is necessary for the proper functioning of modern equipment.

Clean, dry diesel is more important today than ever before. Without it, your operations are susceptible to unplanned downtime and increased costs.

You can't always control the cleanliness of diesel fuel delivered to you, but you can control how clean it is when you pump it into your vehicles and equipment. Donaldson Clean Diesel Kits are easy to install on any fuel dispenser and come with everything needed to filter out even the finest contaminants before they enter your equipment's fuel system.

- ▶ Easy to install
- ▶ Recommended for all diesel and bio diesel blends
- ▶ Supports flow range up to 375 lpm

Benefits

- ▶ Protect expensive fuel injection systems
- ▶ Prevent premature plugging of on-board fuel filters
- ▶ Reduce maintenance costs
- ▶ Prevent unplanned downtime



Clean Diesel Carts are the perfect solution for fuel transfer and kidney loop applications.

We offer convenient portable packages which enable off-line filtration to supplement existing filtration to achieve system cleanliness.

Visit [donaldson.com](https://www.donaldson.com) to explore our range.

Added Protection

for bulk fuel tanks, mobile service trucks and portable tanks

Operating Pressure

150 psi / 1034 kPa / 10.3 bar

Operating Temperature

-20°C to 107°C

Primary Application	Flow Rate	Part No	Micron Rating Efficiency	Head Assembly	Replacement Filter	T.R.A.P. Breather
BULK FUEL TANK KITS						
Gravity fed or low pressure overhead 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.

Operating Pressure

350 psi / 2413 kPa / 24.1 bar

Operating Temperature

-40°C to 118°C

Primary Application	Flow Rate	Part No	Micron Rating Efficiency	Head Assembly	Replacement Filter	Target ISO Cleanliness
CLEAN DIESEL KITS						
Fuel Dispensers Mobile Service Trucks Portable Tanks	121 lpm	X900098	B ₇ = 2,000 (99.95% @ 7 micron)	SAE-20	DBB7733	16/14/11
CLEAN & DRY DIESEL KITS						
Fuel Dispensers Mobile Service Trucks Portable Tanks	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.

For complete protection

T.R.A.P (Thermally Reactive Advanced Protection) breathers reduce the risk of moisture and contaminants entering your fuel tank so fluids are kept clean and dry. Used together with effective filtration, they'll help guard fluids from free water, airborne contamination and microbial growth for as long as they stay in storage. Always confirm the selected breather is suitable for application flow rates and tank specifications. **Consult Donaldson for assistance.**



Mobile Tanks	Fixed Tanks to 1,000 litres	Fixed Tanks over 1,000 litres
Part No	Part No	Part No
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

WHY CHOOSE DONALDSON?



PERFORMANCE

First-fit choice of leading equipment manufacturers around the world.



INNOVATION

Continuous development of new technologies to meet changing filtration needs.



RELIABILITY

Comprehensive warranty covering our filters and your equipment.



QUALITY

The foundational principle driving the design, manufacture and delivery of every product.



SUPPORT

Knowledgeable technical support specialists available in-field when you need them.



AVAILABILITY

Innovative, reliable distribution partners providing local support.



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