



Donaldson Delivers

# Bulk Fuel And Lube Filtration Systems



Clean. Protect.  
Polish.™





Typical storage tank contaminated with dirt, water, and microbial growth.

Contaminants and water are the enemies of engine fuels and lubricants, robbing vehicles and equipment of performance and longevity.

Removing contamination with bulk filtration prior to pumping fluids into equipment allows on-board filtration systems to do their job better, while supporting advanced systems required to meet new regulations.

## 1 Clean.

Donaldson single-pass filtration on the inlet can be configured for high flow rates while maintaining low pressure drop and reducing contaminants to the desired cleanliness level.

Compact and easy to replace, Donaldson filters are the first line of defense in maintaining fluid quality.

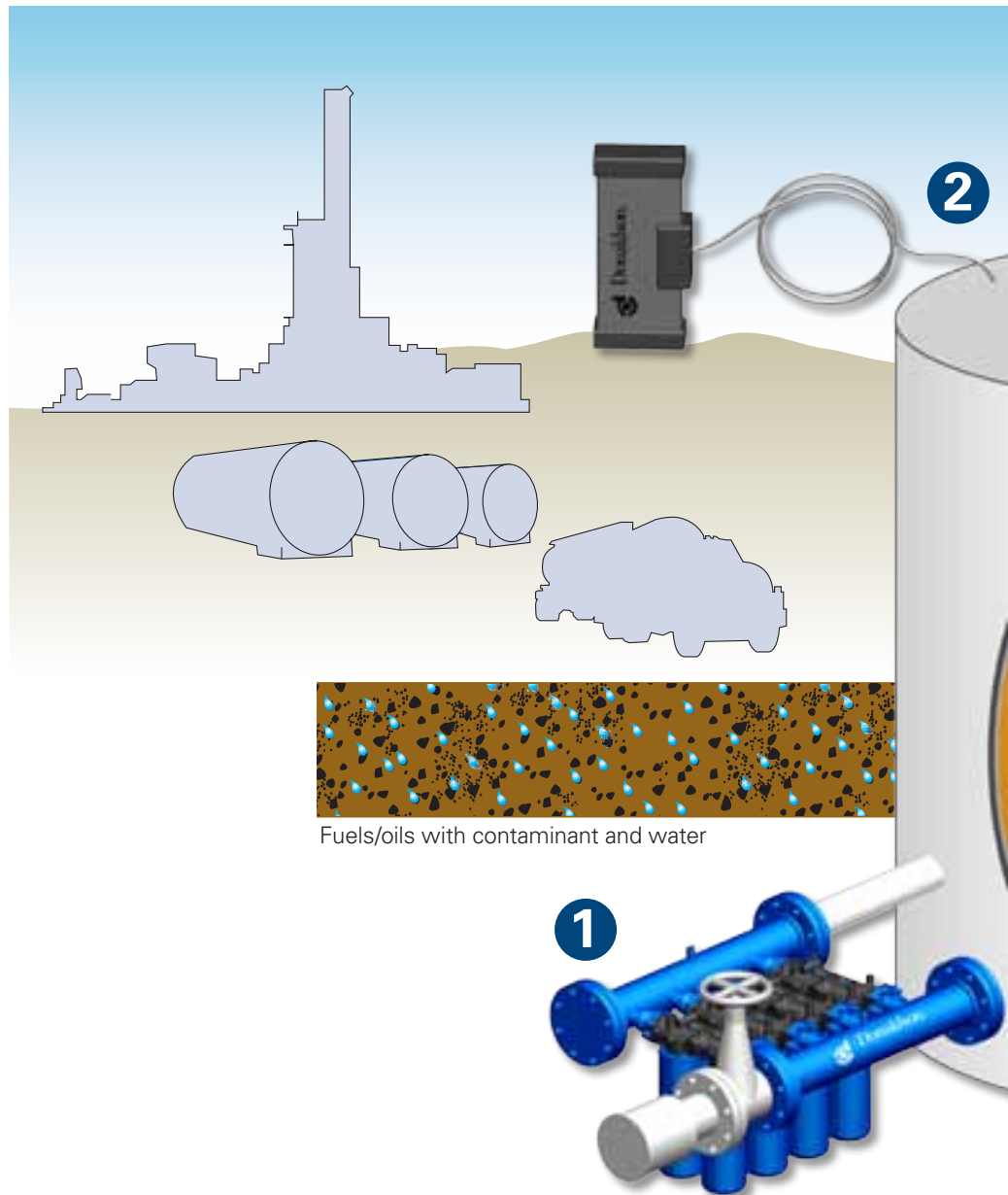
## 2 Protect.

The Donaldson T.R.A.P.<sup>™</sup> breather prevents dust and moisture from entering while allowing high flow rates of fluid into and out of the tank.

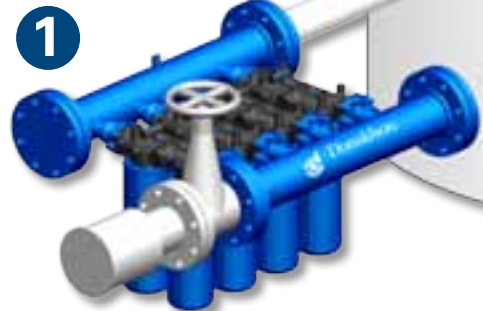
Protect fluids in storage from moisture with an Active Reservoir Vent<sup>™</sup> (ARV). It draws moisture from fluids with dry compressed air and can be mounted where convenient.

## 3 Polish.

Because unstable fluids and the tank itself can be a source of contamination, final filtration on the outlet ensures that targeted ISO cleanliness levels are achieved.



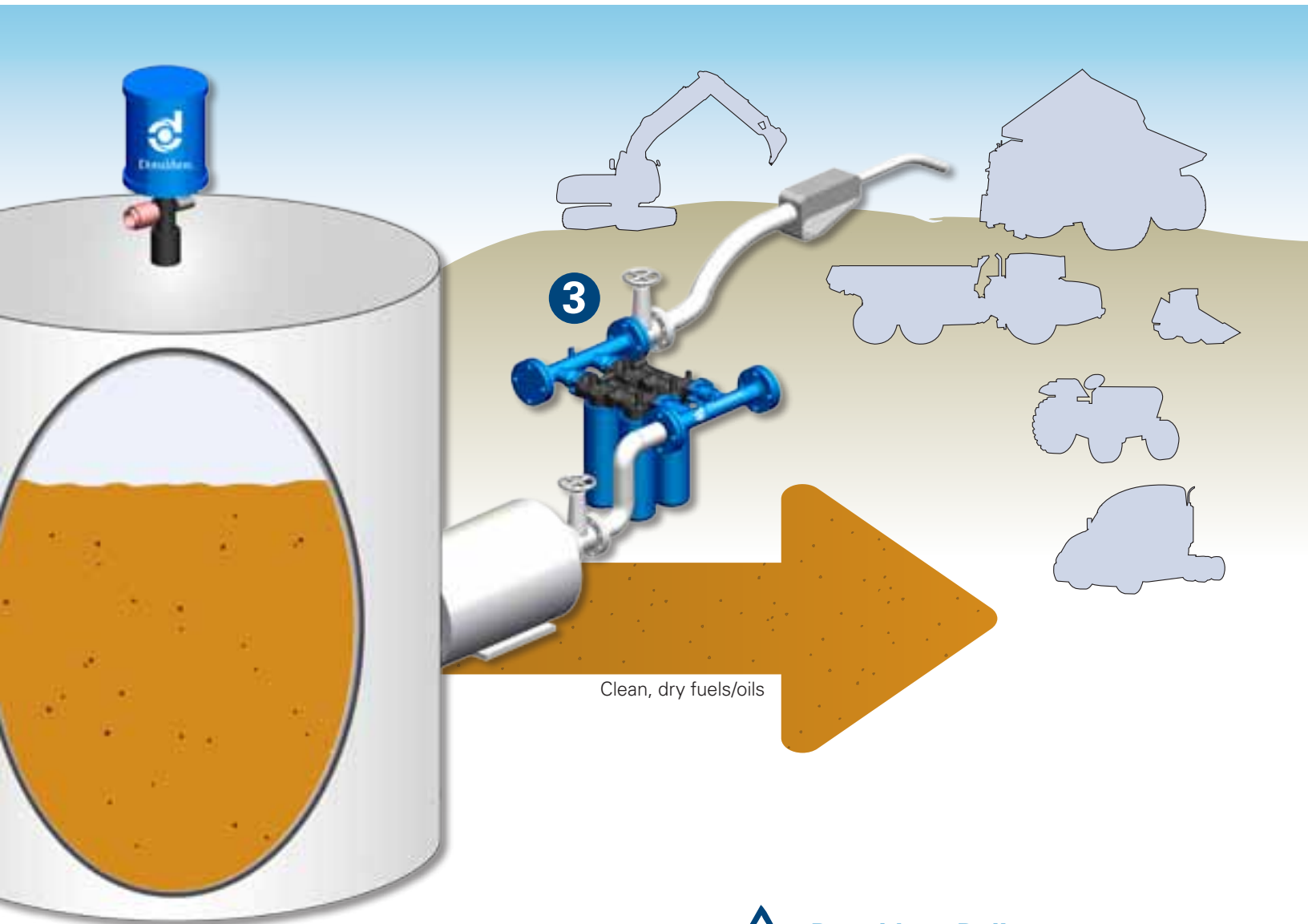
Fuels/oils with contaminant and water



# Why Filter Bulk Fluids?

The increase in diesel injection pressures on engines and the sophistication of today's equipment require higher cleanliness levels.

Donaldson bulk filtration systems can reduce downtime, save on costly component replacement and improve fuel economy. In short, Donaldson reduces your total cost of ownership.



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# The Right Filter, Whatever the Application

## Filters

Max. Working Pressure: 350 PSI/24.1 bar  
 Rated Static Burst: 800 PSI/55.2 bar  
 Operating Temperature: -40DF-190DF/-40DC-88 DC

Part Number	Fluid Type	Max. Flow Range	Target Iso Cleanliness	Filter Efficiency
P568664	Engine Oil and Gear Oil	65 gpm/246 lpm	18/16/13	25 micron @ Beta 2000
P568665	Transmission Oil and Hydraulic Oil	65 gpm/246 lpm	16/14/11	7 micron @ Beta 2000
P568666	All Fuels	65 gpm/246 lpm	14/13/11	4 micron @ Beta 2000
P570248	Ethanol-Free Fluids*	65 gpm/246 lpm	18/16/13	20 micron @ Beta 2000

\*Designed with expanding, water-absorbing media that prevents water from entering storage or equipment tanks.



## Filter Heads

Max. Working Pressure: 350 PSI/24.1 bar  
 Rated Static Burst: 800 PSI/55.2 bar

Part Number	Filter Qty	Mounting Connection	Max. Flow Range
P570329	1	SAE-20 O-Ring	65 gpm/246 lpm
P570330	1	1 1/4" NPT	65 gpm/246 lpm
P568583	2	1 1/2" SAE 4-Bolt	125 gpm/473 lpm



## Filter Manifolds

Part Number	Filter Qty	Mounting Connection	Max. Flow Range
P561880	4	2" ANSI 150 Flange	250 gpm/946 lpm
P568932	8	4" ANSI 150 Flange	500 gpm/1893 lpm
P568933	10	4" ANSI 150 Flange	600 gpm/2271 lpm

## T.R.A.P.™ Breathers

T.R.A.P. breathers prevent dirt and moisture from entering storage tanks from the vent.

Assembly Part Number	Mounting Connection	Max. Flow Range	Filter Efficiency	Replacement Part Number
KYX920006	1.5" NPT Female	500 gpm/1893 lpm	>97% @ 3 micron	P923075



P570248 T.R.A.P.™ ARV™

## Active Reservoir Vents (ARV)™

The ARV blows a blanket of dry, compressed air over fluids in storage to remove, free, and dissolve water.

Electrical Requirements: 110 V/50-60 Hz AC, Approx. 4W

Part Number	Flow Rate (scfm)	Mounting Connection	Max. Tank Size
P568790	3	1/2" NPTF	10,000 Gal/37,900 Liters
P568791	10	1/2" NPTF	30,000 Gal/113,700 Liters

Water absorbing filters (P570248), T.R.A.P.™ breathers, and Active Reservoir Vent™ products are used together to prevent moisture and contaminants from entering a bulk storage tank ensuring fluids are kept clean and dry.

## Point-of-Use Filters

### High-Pressure Filtration for Point-of-Use Applications

Designed for high pressure delivery systems out of bulk storage tanks, typically on air pump fed hose reels in lube shops.

Element Collapse Rating: 300 PSI/20 Bar  
 Max. Working Pressure: 800 PSI/55 Bar  
 Rated Static Burst: 1700 PSI/117 Bar

Part Number	Fluid Type	Max. Flow Range	Filter Efficiency
P565183	For Hydraulic, Gear, Transmission and Engine Oils	50 gpm/189 lpm	15 micron @ Beta 2000
P565185	For Hydraulic, Gear, Transmission and Engine Oils	50 gpm/189 lpm	7 micron @ Beta 2000
P565184	For Hydraulic, Gear, Transmission and Engine Oils	50 gpm/189 lpm	4 micron @ Beta 2000

## Point-of-Use Filter Heads

Max. Working Pressure: 800 PSI/55 Bar  
 Rated Static Burst: 1700 PSI/117 Bar

Part Number	Filter Qty	Mounting Connection	Max. Flow Range	Bypass Included?
P566023	1	SAE-16 O-Ring	50 gpm/189 lpm	No
P566024	1	SAE-16 O-Ring	50 gpm/189 lpm	Yes



Plastic point-of-use filter cartridges and metal housings are easily separated for recycling.



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