



Clean Fuel & Lubricant Solutions

## Bulk hP

High-Pressure Delivery Filter



**Achieve More.**



# Deliver clean fluids under extreme pressure

## Filtering Bulk Fluids

Bulk hP filters from Donaldson Clean Fuel & Lubricant Solutions are designed to filter fluids being delivered at pressure up to 68.9 BAR / 1000 PSI.

High pressure delivery is the process by which piston or diaphragm pumps are used to transport oil, lube, and hydraulic fluids from remote storage tank locations into equipment. These pumps operate on compressed air to force fluids through long lengths of piping and hose reels at delivery pressures significantly greater than the original air pressure. These high pressures force fluids through piping and deliver fluids out of hose reels and into equipment.

Filtering fluids stored in bulk tanks prior to being delivered into equipment is critical to meet the ISO cleanliness specifications demanded by today's equipment OEMs. End-users need a filter with high dirt holding capacity and efficiency that's easy to change and dispose of in an environmentally friendly way.



### Donaldson recommends the following ISO cleanliness levels:

- Hydraulic/transmission ISO 16/14/11
- Lubes/gear oil ISO 18/16/13

Donaldson Bulk hP filters remove contaminants that may have been picked up in storage or delivery lines during final transfer, ensuring the required ISO cleanliness levels are met every time.

# Donaldson Clean Fuel & Lubricant Solutions

## Bulk hP Features

- **Protection for High-Pressure Filtration.** Withstands up to 68.9 BAR / 1000 PSI\* working pressure.
- **Extended Life.** High dirt holding capacity extends service intervals.
- **Easy Disposal.** Filter element easily separates from the housing; all-metal cans are 100% recyclable and non-metal elements are 100% incinerable.
- **Heavy Duty Construction.** 20.7 BAR / 300 PSI collapse pressure prevents dirt from passing even under extreme pressure drop conditions.
- **Protection for All Applications.** Three different micron media options to fit all fluid types and viscosities.
- **Compact Design.** Unique element/can connection requires less than 25 mm / 1 in. clearance for filter change-outs



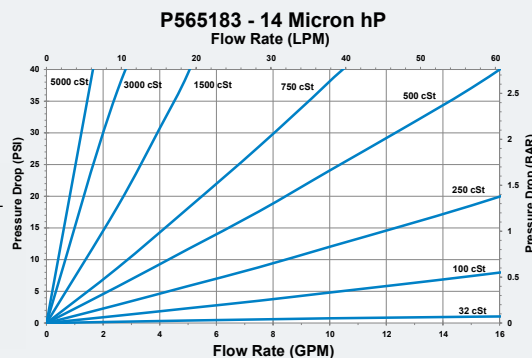
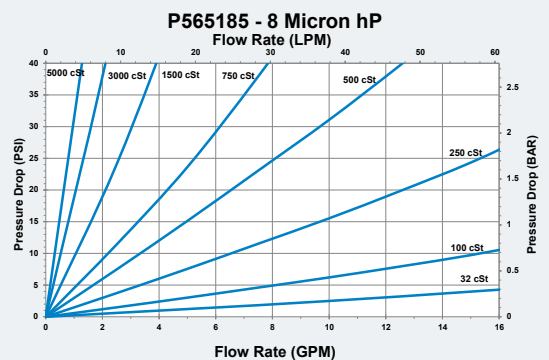
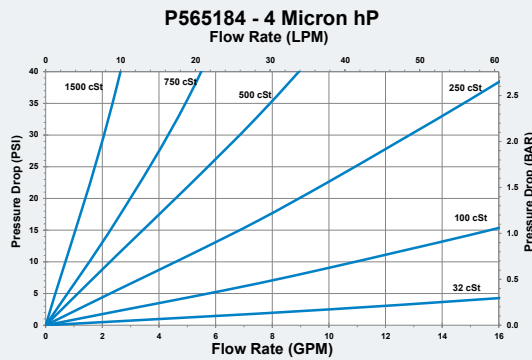
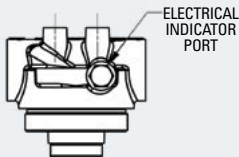
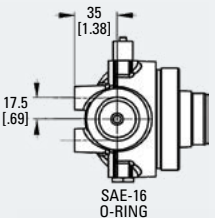
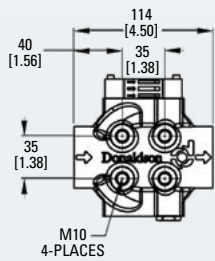
\*Always regulate compressed air with each pump so that pump pressures remain below the 68.9 BAR / 1000 PSI working pressure.

## Bulk hP Technical Specifications

FILTER HEAD P/N	Max. Working Pressure	Indicator	Bypass Valve	Connections
P566023	68.9 BAR / 1000 PSI	Yes	No	SAE-16 O-Ring
P566024	68.9 BAR / 1000 PSI	Yes	Yes, 3.4 BAR / 50 PSI	SAE-16 O-Ring

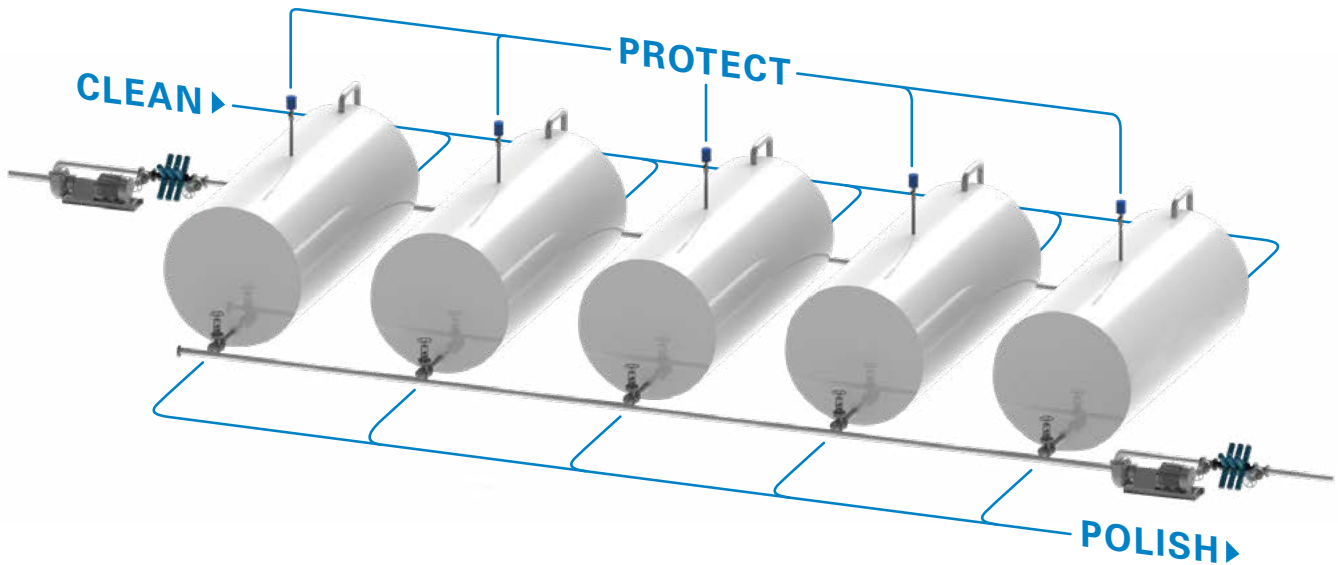
  

FILTER ELEMENT P/N	Efficiency	Target ISO Cleanliness	Max. Working Pressure	Element Collapse Pressure
P565184	4 Micron @ Beta 2000	14 / 13 / 11	68.9 BAR / 1000 PSI	20.7 BAR / 300 PSI
P565185	8 Micron @ Beta 2000	16 / 14 / 11	68.9 BAR / 1000 PSI	20.7 BAR / 300 PSI
P565183	14 Micron @ Beta 2000	18 / 16 / 13	68.9 BAR / 1000 PSI	20.7 BAR / 300 PSI



### WARNING

**THERMAL EXPANSION** in delivery hoses can generate pressure beyond the burst pressure of the can. Call Donaldson for details on installing a 103.4 BAR / 1500 PSI pressure relief valve in all applications.



## Donaldson Delivers Superior Bulk Fluid Filtration

### Clean.

Donaldson single-pass filtration on the inlet removes contamination before it can enter your storage tank.

Compact and easy to replace, Donaldson filters are an important line of defense in maintaining fluid quality and can be configured for high flow rates while minimizing pressure drop.



### Protect.

T.R.A.P.™ Breathers and Reservoir Air Dryers reduce the risk of moisture and contaminants entering a bulk storage tank so fluids are kept clean and dry. Used together, they'll help guard fluids from free water, airborne contamination and microbial growth for as long as they stay in storage.



### Polish.

Unstable fluids and the tank itself can be a source of contamination. Final filtration on the outlet with Donaldson filters ensures that targeted ISO cleanliness levels are achieved before fluids are pumped into your system.



Donaldson Company, Inc.  
Minneapolis, MN

North America 800-374-1374

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#### Need a Clean Solution?

As a global organization, we have offices throughout the world. Please direct your inquiry to [clean.solutions@donaldson.com](mailto:clean.solutions@donaldson.com). This will enable us to address your inquiry in the shortest possible time.

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