ENGINEERING TOMORROW

Data Sheet

Genuine Spare Parts
Hydraulic Filter Cartridge

For more than 45 years, Danfoss has been developing state-of-the-art components and systems for mobile machinery used in off-highway operations around the world.

Danfoss has become a preferred supplier by offering the best of what really matters: the hardware inside your vehicle application. Danfoss genuine spare parts enable longer product life and outstanding system performance of the hardware.

Genuine Danfoss Filter Cartridges are available in 3 different sizes for flexibility to fit with hydraulic pump and motor circuits.

Features

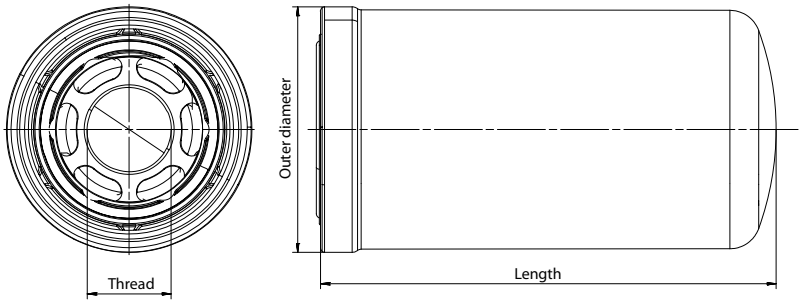
- Filters available in 3 different sizes (short, medium, long)
- Robust design
- High collapse and burst resistance
- Universal use

Part numbers

- Short filter: 11004917
- Medium filter: 11004918
- Long filter: 11004919

Comprehensive technical literature is online at *www.danfoss.com*

Dimensions



Technical Specifications

Technical data	Short filter	Medium filter	Long filter
Outer diameter (typical)	97 mm		
Thread	1.375 - 12 UNF - 2B		
Length (typical)	153 mm	181 mm	239.6 mm
Collapse/burst resistance of filter element per ISO 2941	≥20 bar collapse resistance at max. flow rate (Direction of flow: Input - outer ring; output - inner terminal)		
Max. flow rate	60 l/min (15.6 US gal/min)	80 l/min (21.1 US gal/min)	105 l/min (27.8 US gal/min)
Retained (real) dirt capacity at Δp max.	30 g at 5.6 bar	40 g at 5.6 bar	60 g at 5.6 bar

β ratio versus maximum particle size

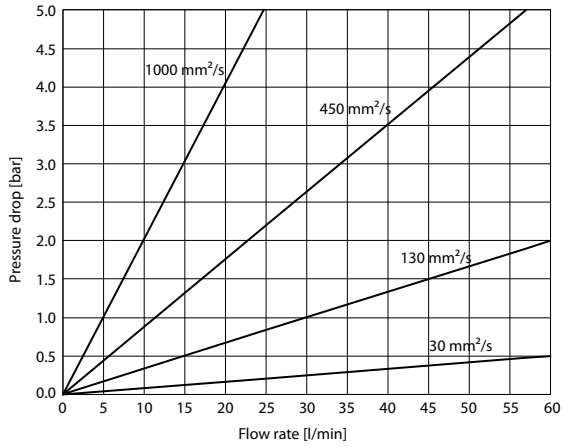
β ratio[1]	Maximum particle size, µm (C)
10	5
75	7.5
100	7.9
200	8.8
1000	11

[1] Multi-pass test per ISO 16889. The following flow rate and viscosity apply for determining β ratio and dirt capacity: terminal pressure drop (6 bar [87 psi]); viscosity per ISO 16889 (15mm^2/s [78 SUS]); max. flow rate.

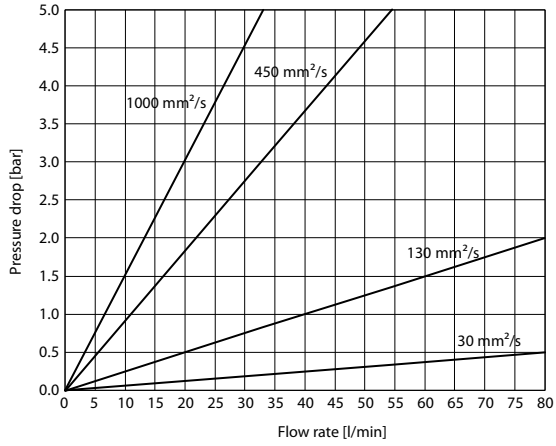
The following graphs show pressure drop versus flow rate according to ISO 3968, class B.

Do not exceed limitations shown in the graph as the border lines.

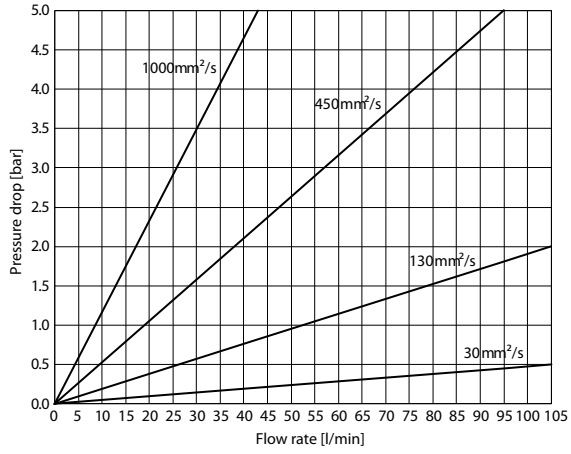
Short filter



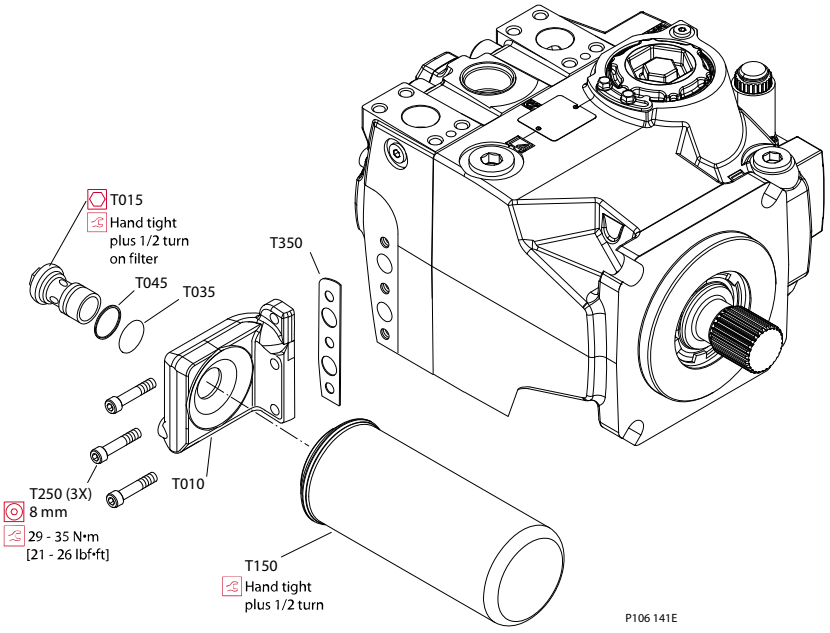
Medium filter



Long filter



Tightening torque



Generic unit used to show part location only.

1. Lubricate the filter seal and install a new filter (T150).
2. Use a 24mm wrench to hold plug (T015) in place and install the replacement filter.
3. Hand tighten the filter till it contacts the O-ring, the tighten it ½ turn to achieve proper installation torque.