



MANN+HUMMEL PreLine® Fuel Prefilters for Modern Diesel Units



Filtration with system

MANN+HUMMEL has extended the PreLine® series with two new products in the sizes:

PreLine® 50
PreLine® 50/1
PreLine® 50/2
PreLine® 150
PreLine® 150/1
PreLine® 100/2
PreLine® 250
PreLine® 250/1

Application areas

All diesel units from **15 KW to 250 KW** with limited installation space but still requiring the best possible filtration.

Regardless of whether for modern common rail injection systems, in-line fuel injection pumps or distributor fuel injection pumps – the PreLine® offers reliable protection against water and particles.

Even under difficult conditions with construction machines and numerous other applications such as compact loaders, backhoe loaders, tractors, forklifts, mobile and stationary compressors – PreLine® perfectly protects every diesel engine.

Innovations

All the filters have an **integrated water collection space**. The separated water stored there can be emptied via a **water drain screw** or using the optionally available **water sensor**.

MANN+HUMMEL now offers two filters for applications where installation space is especially tight.

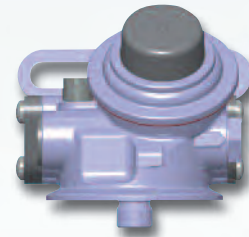
PreLine® 50/2 and **PreLine® 100/2** even offer water separation up to 99% and a particle separation efficiency of 99.5% for particle size 6 µm. An additional main filter is therefore not necessary – a clear advantage for small diesel units.

Advantages at a glance:

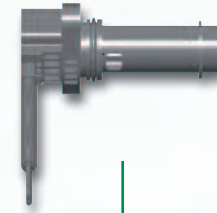
- low installation space
- high filter performance
- easy handling
- 45° positioned hand pump
- very stable design
- up to 99% water separation
- up to 99.5% particle separation
- diesel heater for 12 / 24 V with 350 W output (option)
- compatible to 12/24 V water sensors (option)

PreLine® system kit

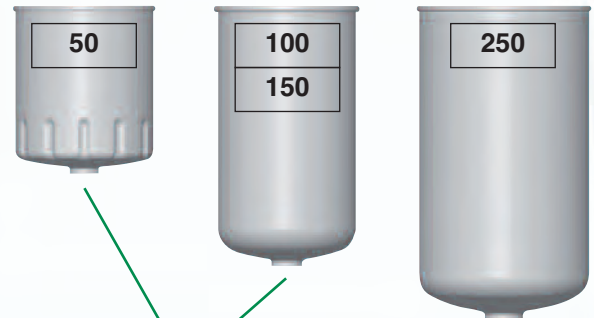
Filter head with primer hand pump



Diesel heater 350 W
12 or 24 V



Spin-on filter
50 or 50/1 or 50/2
100/2
150 or 150/1
250 or 250/1



Water level sensor
12/24 Volt



PreLine® 50

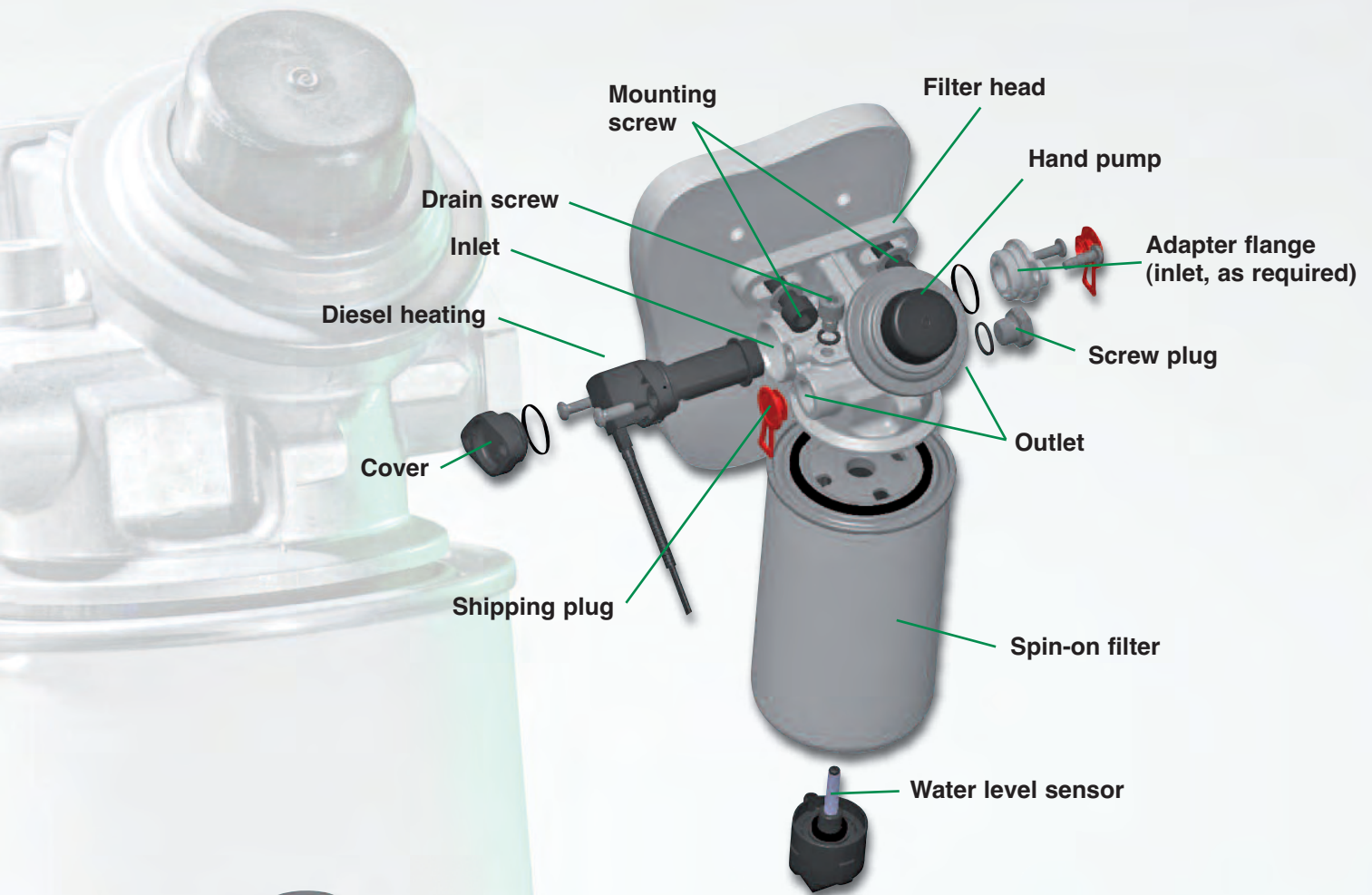


PreLine® 150/100



PreLine® 250

PreLine® 250



The new filter head for PreLine® 50 - 250

- diecast aluminium
- a total of 4 M16 x 1.5 connections with 2 connections each for inlet and outlet
- diesel heater position possible left or right
- primer hand pump for refilling when servicing
- drain screw for easy and quick venting
- spin-on filter connection M16 x 1.5

	Initial separation efficiency ISO 19438:2003	4 µm (c) [%]	6 µm (c) [%]	PreLine®								
				50	50/1	50/2	150	150/1	100/2	250	250/1	
Filter medium	Multigrade F_PFO	> 10	> 30	x			x				x	
	Multigrade F_PF	> 40	> 70		x			x				x
	Multigrade HE	> 95	> 99,5			x			x			
Nominal flow rate	On intake side of the fuel feeding pump			50 l/h	50 l/h	–	150 l/h	150 l/h	–	250 l/h	250 l/h	
	On the pressure side of the fuel feeding pump			50 l/h	50 l/h	50 l/h	90 l/h	90 l/h	100 l/h	250 l/h	250 l/h	
Application	Pre filter function with water separation			X	X	X	X	X	X	X	X	X
	Additional main filter required?			YES	YES	NO	YES	YES	NO	YES	YES	
Water separation acc. to ISO 4020 and ISO 16 332				> 95 % *								
Operating pressure				4 bar								

* referred to volume flow; tolerance -2% up to +4% depending on the application

- MANN+HUMMEL company
- Joint venture company

MANN+HUMMEL Group

The MANN+HUMMEL Group is an international company with its headquarters in Ludwigsburg, Germany. The group employs approx. 11,500 people worldwide at more than 41 locations.

The company develops, produces and sells technically complex components for the automotive and other

industries. A key area is high quality filtration products for vehicles, engines and industrial applications. The OEM business with global market leaders and producers of vehicles, machines and installations defines the quality and performance of the group. Filters for the international aftermarket are sold under numerous inter-

national brands as well as under the MANN-FILTER brand.

MANN+HUMMEL Industrial Filters

The Industrial Filters Business Unit with its headquarters in Speyer, Germany is specialised in meeting the requirements of off-highway

vehicle and engine applications, compressed air and vacuum technology, mechanical engineering and plant construction. For these and other industrial fields MANN+HUMMEL Industrial Filters offers high performance products for the filtration and separation of air, gases and liquids.



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