

# MANN-FILTER

## Product Information

No. 86

10.09.2012

### New PreLine systems with new filter head

Using for Automotive applications

MANN-FILTER presents two new PreLine systems for the automotive aftermarket.

These new PreLine units have a new filter head with improved pump function and offer less flow restriction thanks to a larger connecting thread. The fuel prefilters separate 30% of extremely fine particles measuring six microns and over 93% of water (in compliance with ISO 4020). When it is delivered, the filter element is not placed firmly over the filter head in order to make it easier to fit. In addition, an optimized sealing material is supplied to reduce tightening and release torques.

As an option, a new heater (DH 32 KIT) is available. It is equipped with an HDSCS connector which flexibly covers the voltage range from 9 to 32 volts usually supplied by vehicle on-board electrical systems. The heater is easy to retrofit. A set of five meter long cables is available as accessory.

The PreLine system increases filtration performance and extends the service life of the main filter. It protects the pre-supply pump against damage such as abrasion or corrosion caused by water in the diesel fuel.

MANN+HUMMEL uses the high-performance filter medium MULTIGRADE F\_PFO in PreLine systems bearing the MANN-FILTER brand name. PreLine achieves up to 50% more water separation than systems using standard media. In the PreLine 270 and 420, extremely fine synthetic fibres with a diameter of one to three microns are intended to efficiently preseparate particles on the flow side. Another extremely fine filter layer removes the remaining particles almost completely. In addition, the ultra-fine synthetic fibres of the MULTIGRADE are designed to remain highly stable in order to separate water over the entire service life of the prefilter.

Under the filter a tank with a maximum capacity of 0.5 litre collects the separated water. The water is normally drained off during servicing when the spin-on filter is replaced or if there is a risk of frost. A special release tool is available to replace the tank. As a series option, MANN+HUMMEL can supply a semi-active water sensor to monitor the level in the water tank. It is temperature-resistant from -30 to +110 degrees Celsius.

The filtering capability and the change interval for the prefilter are matched to the requirements of the main filter. The PreLine system supplements the function of the main filter.



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	Previous part number	New part number
PreLine 270	66 604 62 992	11 080 74 S01
PL 270 x	66 604 59 210	66 604 59 210
PL 270/7 x		11 144 84 S01
PreLine 420	66 606 62 982	11 080 76 S01
PL 420 x	66 606 59 210	66 606 59 210
PL 420/7 x		11 144 79 S01
Heater	DH 11: 29 017 00 208	DH 32 KIT: 49 999 98 008
Bowl BL 1	66 606 12 982	66 606 12 982
Wrench-removal tool LS 7/4	66 606 47 122	66 606 47 122

### Differences to the former system:

#### The connectors

Connection dim M 18 x 1,5  
(formerly M 16 x 1,5)



#### The filter elements

PL 270/7 and PL 420/7 have an improved gasket for easier filter removal.

The previous PL filter elements can still be used on the new head.

#### The packaging

The packaging is now unbranded with a label only. This is printed only with "PreLine". The 10-digit number stands for a clear marking of the included model.

### The pump

An visually distinctive feature of the new system is the modified knob of the pump. The pump has a higher volume flow rate for a faster ventilation of the system.



### The heater

DH 32 KIT is now the optional heater. The previous DH 11 heater can still be used.

DH 32 KIT can be used from 9 to 32 Volts. It is again equipped with a 5 meter cable which contains a connector according the common standard HDSCS (Heavy Duty Sealed Connectors).

