



## PERMO SIGNAL FILTER

5" - code P0003728  
10" - codes P0003729A  
& P0003829A

**VERY IMPORTANT:** Before any connection, and use, carefully read this notice. Non-compliance with these requirements, makes the PERMO warranty unapplicable.



**permo**  
BEST WATER TECHNOLOGY  
BWT GROUP

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Summary

1 Installation .....3

2 Technical information.....3

3 Connections .....4

4 Startup .....4

5 Maintenance.....5

6 Spare parts.....5

# 1 Installation

**PERMOSIGNAL** is installed with a by-pass on the main point of entry.

It is necessary to provide enough space for this replacement of the filtering element.

**PERMOSIGNAL** must be protected against frost and direct sunlight to prevent cracking and development of algae.

If the water pressure is higher 4 bars, please install a pressure reducer before the filter to avoid pressure pics. The maximal allowed pressure is 8 static bars.

If the line is not performed with a by-pass, please connect the pipes upstream and downstream the filter with a copper wire to continue the earthing.



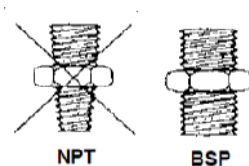
# 2 Technical information

	PERMOSIGNAL 5	PERMOSIGNAL 10
Inlet / Outlet	Male 1'' (26 x 34)	Male 1'' (26 x 34) Male ¾'' (20 x 27)
Maximal pressure	8 bars	
Maximal température	40° C	
Minimal température	0° C	

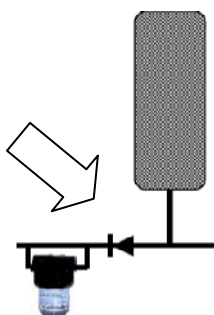
The filter is expected to only filter water.

### 3 Connections

Connections must be only carried out with cylindrical gas fittings  $\varnothing 3/4"$  or  $1"$  according to model. Please use TEFLON ribbon and not other material.



In the event of assembly before a warm water generator, it is advisable to add a non-return valve to avoid a return of warm water in the filter.



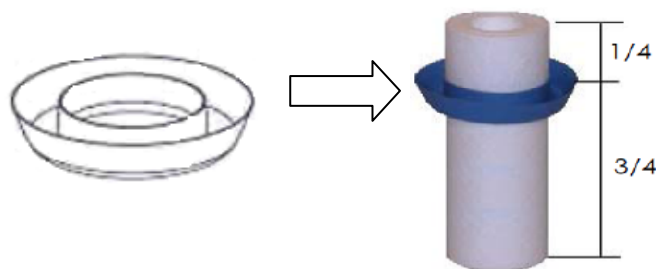
### 4 Startup

For 5" FILTER

Remove the protection and insert the filter cartridge in the bowl of the filter. The cartridge does is symmetrical and can be gone up indifferently.

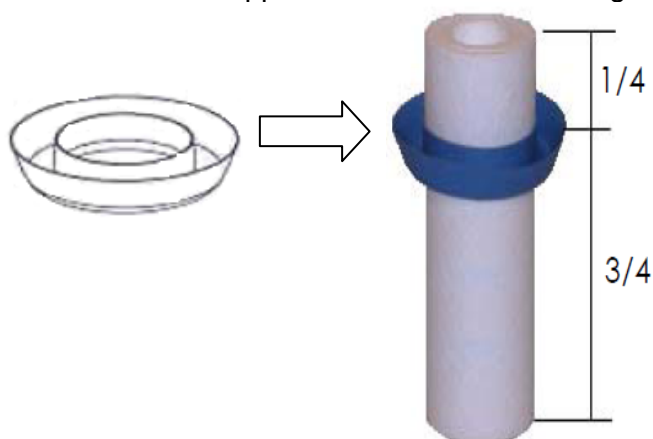
Insert the indicator ring on the cartridge. Be careful that the indicator ring must be placed at the  $1/4$  superior of the cartridge. Like on the picture then close again the filter.

Please very slowly open the water arrival and purge the filter well. Open the outlet of water. Progressively with clogging, the indicator ring will go down. As soon as it reaches the label "REEMPLACER LA CARTOUCHE" the cartridge should be replaced.



## For 10 " FILTER

Implement the filter on its support. Place the indicator ring as it is "shown in the picture.



Please very slowly open the water arrival and purge the filter well. Open the outlet of water. Progressively with clogging, the indicator ring will go down. As soon as it reaches the label "REEMPLACER LA CARTOUCHE" the cartridge should be replaced.



## 5 Maintenance

The filter cartridge is changed as soon as the indicator ring of filling of the filter arrives at the indication of change of cartridge. Please change cartridge every 6 months even if the indicating ring is not down. To the change cartridge of the filter, close the valves before and after the filter. To purge the filter, unscrew the bowl, throw the old cartridge and to put a new one while proceeding as for a startup.

## 6 Spare parts

SIGNAL 5" 2 x cartridges

code P0003742A

SIGNAL 5" 15x 2 x cartridges

code P00013742A

SIGNAL 10 " 1 x cartridge with indicator ring

code P0003743A

SIGNAL 10 " 1 x cartridge with indicator ring and support

code P0003753A

SIGNAL 10 " 3 x cartridges

code P0003730A

SIGNAL 10 " 10 x 3 cartridges

code P0003732A

key of disassembling

code P0003722

Support for fixing

code P0004189




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