

Description

prime-phin is a stainless steel dirt separator that protects closed-loop systems from circulating contaminants.

The lid is connected with a quick bolt system made of eye bolts to facilitate the bag change operation. Additionally, the lid is equipped with a valve for the potential input of chemicals into the system.

Two manometers help to monitor the build up of solids and to plan the change of bags.

The filter is designed to fit neodymium magnetic rods that are ideal for removing iron impurities. The magnets are not in direct contact with the water. By removing the rods the particles will fall off into the bag. This feature makes the magnets extremely easy to clean.



Design data

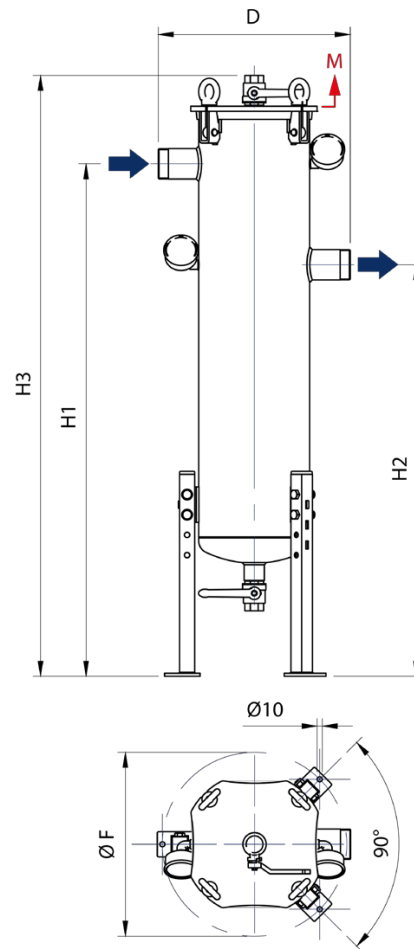
Flow rate	Up to 70 m3h
Design pressure [bar]	PN 10 (PN16 available)
Design temperature [°C]	90
Salinity [TDS]	<10.000 ppm
pH Range	3-9
Design Code	PED 68/2014/EU

Material data

Filter housing	AISI 304/316L
Gasket	EPDM*, NBR
Filter bag	PES
Drain/Vent valve	Brass
Surface finish	Micro shot Peening and Passivation

* Certified for the following European Drinking Water regulations: UBA, DVGW-standard W-270, WRAS och ACS.

Dimensions



Model	In/Out Ø	Drain Ø	H1 [mm]	H2 [mm]	H3 [mm]	D [mm]	M* [mm]	ØF [mm]	W [Kg]
PRPH 1" Z S2	1" BSPP	1" BSPP	1015	815	1190	379	850	364	32
PRPH 2" Z S2	2" BSPP	1" BSPP	1015	815	1190	379	850	364	32
PRPH 2" Z S2 GR	2" groove	1" BSPP	1015	815	1190	379	850	364	32
PRPH 50 Z S2	DN50 flange	1" BSPP	1015	815	1190	379	850	364	32
PRPH 80 Z S2	DN80 flange	1" BSPP	1015	815	1190	379	850	364	32

*M = Minimum free space required for maintenance.

Filtering element

Model [µm]	Filtering area [cm2]	Ø [mm]	Length [mm]
1 µm	4500	178	810
5 µm	4500	178	810
10 µm	4500	178	810
25 µm	4500	178	810
50 µm	4500	178	810
100 µm	4500	178	810
200 µm	4500	178	810



Accessories

Automatic Vent Valve

- Swivelling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C



Neodymium Magnetic Rod

Neodymium magnets trap ferrous particles in the water system. This is very beneficial for systems prone to corrosion.



Differential Pressure Kit

Detects the pressure difference between the inlet and outlet and activates an electrical contact upon reaching a pre-set ΔP value.

- Max pressure: 17 bar
- ΔP range: 0.3 - 2 bar
- Max temperature: 60°C



Spare Parts

Description	Material
Body gasket Ø 219.1	EPDM
Body gasket Ø 219.1	NBR
Support mesh, size 02	AISI 316
Pressure gauge 0-10 bar G1/4"	AISI 304
Pressure gauge 0-10 bar G1/4"	AISI 316

