

Description

cyclo-phin filters are hydro cyclonic separators made of stainless steel. Their unique design generates a whirlpool effect that enables the separation of particles with a higher specific weight than water from the incoming raw water. These filters are highly effective, with a removal efficiency of up to 99% for solids measuring 75µm or larger, and 65% for 50µm particles.

cyclo-phin filters operate continuously and do not rely on any moving parts, which makes them long-lasting and highly convenient as they need little to no maintenance.

These filters come with inspectable covers, with the bottom cover being of particular importance as it includes a waste storage tank that can be drained using a manual valve (supplied) or an automatic Drain Valve Kit (DVKIT) if required.



Design data

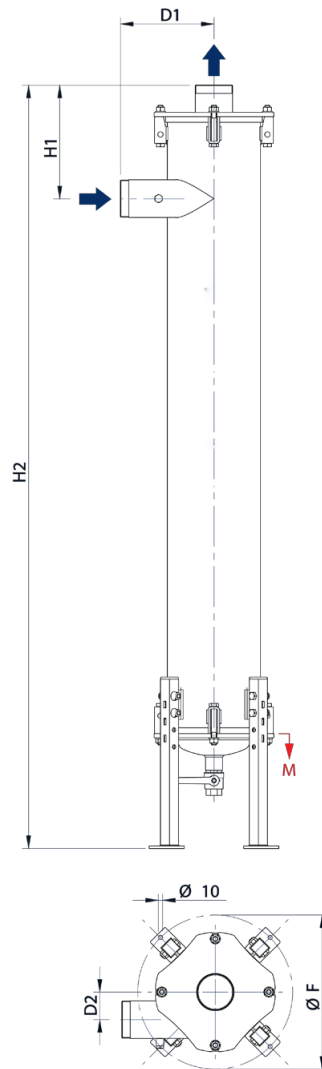
Flow rate	Up to 190 m ³ /h
Design pressure [bar]	PN10 (PN16 available)
Design temperature [°C]	60
Salinity [TDS]	<10.000 ppm
pH Range	3 - 9
Design Code	- PED 68/2014/EU - Machinery Directive 42/2006/CE - LVD Directive 35/2014/EU

Material data

Filter housing	AISI 304/316L
Gasket	EPDM*
Drain/Vent valve	Cast Iron body with AISI 316L lens Nickel-plated brass/AISI 316L
Surface finish	Micro shot Peening and Passivation

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

Dimensions & Flow Rate



Model	In/Out Ø	Drain Ø	Min Flow [m3/h]	Max Flow [m3/h]	D1 [mm]	D2 [mm]	H1 [mm]	H2 [mm]	M* [mm]	ØF [mm]	W [Kg]
CYPH 1"	1" BSPP	1" BSPP	4	9	120	40	144	1074	220	259	17
CYPH 1½"	1½" BSPP	1" BSPP	8	18	150	45	194	1298	260	285	23
CYPH 2"	2" BSPP	1" BSPP	15	30	190	54	204	1448	260	357	31
CYPH 3"	3" BSPP	1" BSPP	25	60	220	65	268	1804	260	372	52
CYPH 100	Flanged DN100	1½" BSPP	54	105	300	79	318	2114	290	456	84
CYPH 150	Flanged DN150	1½" BSPP	95	190	350	78	336	2316	330	507	105

*M = Minimum free space required for maintenance.

Accessories

Pneumatic Drain Kit

A recommended alternative to the manual drain valve is the automatic butterfly valve with a pneumatic actuator. This kit comes with a convenient L-shaped manifold that shifts the drain forward and away from its original position located beneath the filter.

- Valve body: ductile iron
- Disc: AISI 316
- Liner: EPDM
- Power Supply: 230VAC
- Requires compressed air 6 bar
- Namur Solenoid Valve included



Electric Drain Kit

An alternative option to replace the manual drain valve is to install an automatic butterfly valve with an electric actuator. This kit includes an L-shaped manifold that facilitates moving the drain away from its original location under the filter and towards the front.

- Valve body: ductile iron
- Disc: AISI 316
- Liner: EPDM
- Power Supply: 230VAC



Timer Kit

cyclo-phin filters can be fitted with a Timer Kit, which allows for the automatic opening and closing of the drain valves based on adjustable time intervals.

- Material: ABS
- Protection class: IP65
- Power supply: 230VAC - 50/60Hz - 15VA
- Solenoid Valve Output: 24VAC - N.O/N.C



Electric Controller

An electronic controller is available for automatic drain kits that can be used to open and close the valve at specific time intervals. This controller has the ability to manage multiple parallel units simultaneously.

- Material: ABS
- Protection class: IP66 / EN60529
- Power supply: 230VAC - 50/60Hz - 150W



Spare Parts

Description	Material
Body gasket Ø 114.3	EPDM
Body gasket Ø 139.7	EPDM
Body gasket Ø 168.3	EPDM
Body gasket Ø 219.1	EPDM
Body gasket Ø 273	EPDM
Body gasket Ø 323.9	EPDM

