

Description

rock-phin is a stainless steel static filter that comes with a durable perforated metal sheet basket. It is specifically designed to safeguard pumps and can be used as a rough filter for water treatment processes that involve water from wells, rivers, or canals that contain large suspended solids.

This filter has a unique "QUICK BOLTS" system that ensures faster maintenance and disassembly times, enabling users to remove the cover without unscrewing the tightening bolts entirely. Additionally, the filter includes an anti-cut stop that extends the life of the sealing gaskets. ROCK-PHIN filters are supplied with drain/vent valves and are designed to support pressure gauges.



Design data

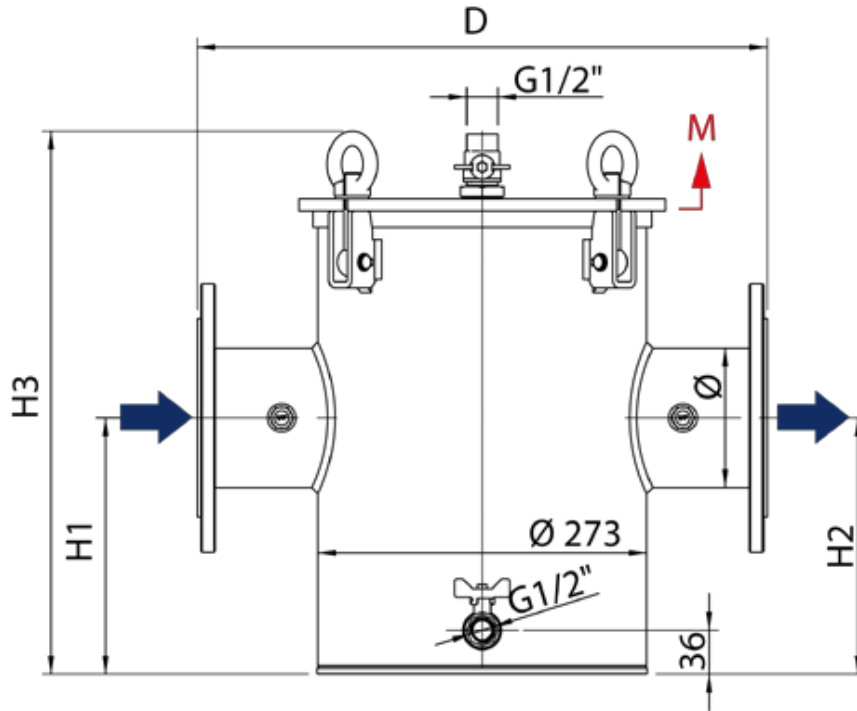
Flow rate	Up to 300 m3/h
Design pressure [bar]	PN6
Design temperature [°C]	100
Salinity [TDS]	<10.000 ppm
pH Range	3 - 9
Design Code	- PED 68/2014/EU - Machinery Directive 42/2006/CE - LVD Directive 35/2014/EU

Material data

Filter housing	AISI 304/316L
Gasket	EPDM*
Drain/Vent valve	Nickel-plated brass
Pressure Gauges	Stainless steel AISI 304
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	Max Flow [m3/h]	F.S.* [cm2]	H1 [mm]	H2 [mm]	H3 [mm]	D [mm]	M** [mm]	Ø [mm]	W [Kg]
ROPH 50	DN 50	40	2100	210	210	445	473	400	DN 50	29
ROPH 65	DN 65	60	2100	210	210	445	473	400	DN 65	30
ROPH 80	DN 80	80	2100	210	210	445	473	400	DN 80	30
ROPH 100	DN 100	140	2100	210	210	445	473	400	DN 100	30
ROPH 150	DN 150	300	2100	210	210	445	473	400	DN 150	34

*F.S. = Filtering Surface:

**M = Minimum free space required for maintenance.

Filtering Elements

Extractable Basket:

The rock-phin filter basket is constructed from AISI316 perforated metal sheet, which can be quickly and conveniently removed and replaced. The filter is available in three different filtration degrees: 1000µm, 2000µm, and 3000µm.



Accessories

Pressure Gauges

The rock-phin filter can be enhanced with the addition of highly durable stainless steel pressure gauges that are suitable for various conditions and environments. These gauges are filled with glycerine to minimize any potential damage resulting from vibrations, pulsating pressures, or water hammers.

- Material: AISI 304 or AISI 316
- Scale: 0-10 bar
- Nominal diameter: 63 mm
- Filling: Glycerine



Spare Parts

Description	Material
Body gasket Ø 273	EPDM

