Infinity M

Product data sheet

6.20

Manual backwash filter with waste water connection in accordance with DIN 1988
3/4" - 2" (DN 20 - 50)

Date of current version: March 2002
Replaces all previous versions
Technical specifications are subject to change.

Infinity M

Connection module 3/4 - 1 1/4"
DR connection module with pressure reducer
HWS connection module with pressure reducer and non-return valve

Connector 1 1/2" - 2"
HWS connector with pressure reducer and non-return valve

List of supplied parts

Infinity M with the possibility of connection to the HydroModul system or a separate connecting module or connector, with or without a pressure reducer (pressure reducer not supplied), consisting of:

Outer casing (top section in brass)
Turning handle
Crank pin
Transparent cylinder
Filter element
Date ring
Waste water connection (HT connection or hose nozzle)
Safety stop valve
Stop plug

Necessary accessories:
Connecting module/connector
See product data sheet 6.01 and 6.02

Intended use

The filters are intended for filtering drinking and service water. They protect water pipes and any connected system parts for transporting water from malfunctioning and against corrosion damage caused by foreign particles such as rust, chip, sand, and hemp, etc. up to a diameter of 2 mm.

The filters are not intended for use with chemically treated circulating water. Seek specialist advice when using the filters to filter process water and cooling water for continuous cooling systems.

A coarse sediment bowl should be added for water containing coarse sediment particles.

The filters are **not** suitable for oil, fat, solvents, soap, and other lubrifying media. Also, they are not suitable for separating water-soluble materials.

Function

Untreated water flows through the untreated water inlet into the filter and there from the inside through the filter element to the clean water outlet. Impurities > 90 µm are trapped on the inside of the filter cloth. Depending on their weight and size of these particles, these particles either fall directly onto the lower section of the filter element or cling to the filter cloth. The filter element can be cleaned by backwashing at regular intervals.

Backwashing is done manually and works according to the effective principle of backwashing by suction (suction bar backwash system).

The filtering process continues uninterrupted even during the backwashing as 90% of the filter surface is constantly available for filtering (nonstop filtration).

Before installing the unit

Observe all applicable installation regulations, general guidelines and technical specifications.

There must be a flush quantity of at least 3.5 m^3 per hour for backwashing. The pressure downstream of the filter during backwashing must be at least 2 bar.

There must be a connection (min. DN 50) to the sewage system (drain).

The installation site must be protected against frost and must guarantee the protection of the filter from solvent vapours, fuel oil, lees, chemicals of all types, UV irradiation, and heat sources over 40°C.

Functional and warranty conditions
Filters require regular functional monitoring, maintenance and replacement of important parts after certain intervals. The filter element must be replaced regularly. See the installation and operating instructions for the maintenance intervals. We recommend that you enter into a service agreement.

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Product description

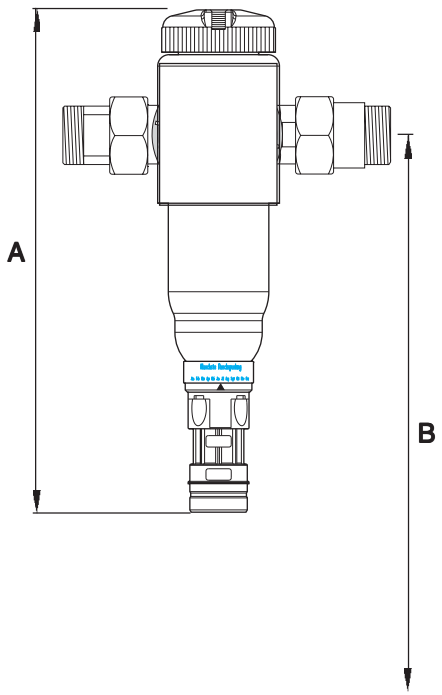
BWT Infinity M backwash filter, DIN/DVGW-approved.
The first filter with lifetime system guarantee. 30 years guarantee with BWT safety check agreement.

Manual backwash filter for connection to the HydroModul system or to a connection module, DR connection module or HWS connection module. Backwashing is carried out manually using a hand wheel with crank handle.

Scope of supply: Filter base plate with brass top section, cap, transparent cylinder, date ring, filter element, safety ball valve and waste water connection (HT connection or hose nozzle R 3/4").

Technical specifications

Infinity M backwash filter	**Model**	**¾"**	**1"**	**1¼"**	**1½"**	**2"**
Nominal connection width	DN	20	25	32	40	50
Flow capacity at Δp = 0.2 bar (without DR)	m^3/h	3.5	4.5	5	9	11
Output pressure after pressure reducer	bar	2 - 6				
Lower/upper admission width	µm	90 / 110				
Nominal pressure (PN)	bar	16				
Operating pressure, min./max.	bar	2 / 16				
Max. water temperature/ambient temperature	°C	30 / 40				
Connection type		Connection module			Connector	
Total height A	mm	460			460	
Minimum distance from pipe centre to floor B	mm	670			670	
Order number		**10193**			**10190**	



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