Multipur M

Product data sheet
6.40

Manual backwash filter DN 65 and DN 80

Multipur M

Date of current version: May 2004
Replaces all previous versions
Technical specifications are subject to change.

Intended use

The Multipur M backwash filters filter drinking and service water to protect water pipes and connected fittings, devices, work equipment, boiler systems, boilers, production units from malfunctioning and from damage caused by foreign particles.

The filters can also be used to filter fountain, process, boiler feed, cooling and air conditioning water. **An expert consultation is required**.

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

The untreated water flows into the Multipur through a stainless steel filter element. Impurities >100 µm are retained. Depending on their weight and size, these particles either fall directly onto the lower section of the filter housing or cling to the filter element.

During backwashing, the sealing element on the flushing water outlet opens. The suction-ring segments of the backwash element move from bottom to top and back down again over the entire filter surface area and while doing so suction clean the filter cloth using treated water and an extremely high flow speed.

Backwashing is carried out by turning the hand wheel to the limit stop and then turning it back again.

List of supplied parts

Multipur M backwash filter

- Filter
- Two manometers
- Hand wheel
- Waste water connection for HT pipe
- Waste water connection for hose

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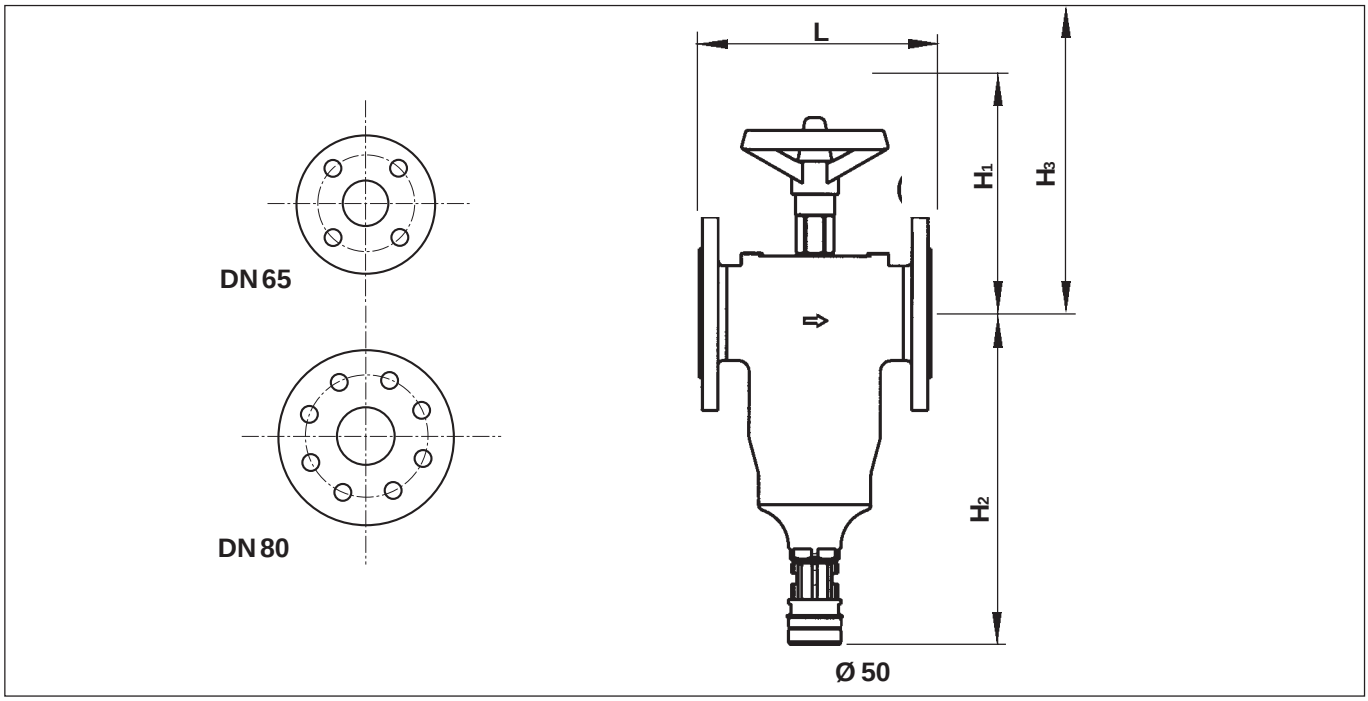
Technical specifications

Multipur	Model	65 M	80 M
Nominal connection width	**DN**	**65**	**80**
Flow capacity at Δp = 0.2 bar	m^3/h	22	36
Filtering efficiency	µm	90 / 110	
Nominal pressure (PN)	bar	10	
Operating pressure $p_ü$ min./max.	bar	2.5/10	
Min. pressure downstream of the filter (for backwashing)	bar	2.5	
Backwash water quantity at 4 bar operating pressure, approx.	l	30	
Flushing water flow, approx.	l/sec. / m^3/h	1.7 / 6.0	
Water temperature	°C	5 - 30	
Ambient temperature	°C	5 - 40	
Flange connection		in accordance with DIN 2501, Part 1	
Diameter of pitch circle / Flange bore size	mm	145 / 18	160 / 18
L Installation length	mm	220	
H_1 Height, approx.	mm	230	
H_2 Height, approx.	mm	400	
Min. sewage system connection	DN	50	50
Approx. operating weight	kg	15	18
Model M order number (90µm)		**10185**	**10186**



Installation conditions

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

The unit must be installed as described in the installation and operating instructions guide in compliance with AVB Wasser V, §22 (general requirements for the supply of water in Germany) by a water supply company or by a party registered in the water supply company's index of fitters.

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

A coarse sediment bowl should be added for water containing coarse sediment particles > 2mm.
A flushing water flow of **at least 1.7 l/sec. or 6 m^3/h** must be available for backwashing.

A connection to the sewage system (**min. DN 50**) must be available for draining the flushing water.

Avoid extreme pressure blows (from the downstream solenoid valve, for example).

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

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