



In-Line Semi-Automatic Brush Filters

Helix Hydro's range of In-Line semi-automatic brush filters are suitable for all types of irrigation and industrial water applications.



Features

- ✓ An effective time and labour-saving option compared to manual cleaning filters, no need to disassemble the filter for cleaning.
- ✓ Simple operation by opening a flush valve and rotating the handle for 15-20 seconds.
- ✓ Can be easily cleaned whilst on-line and operational and will not interrupt the downstream system flow.

Cleaning Operation

During normal filtering mode water enters the Inlet, passes through the fine screen to the outlet where suspended solids are trapped on the inside of the filter screen and will eventually cause a pressure drop across the filter.

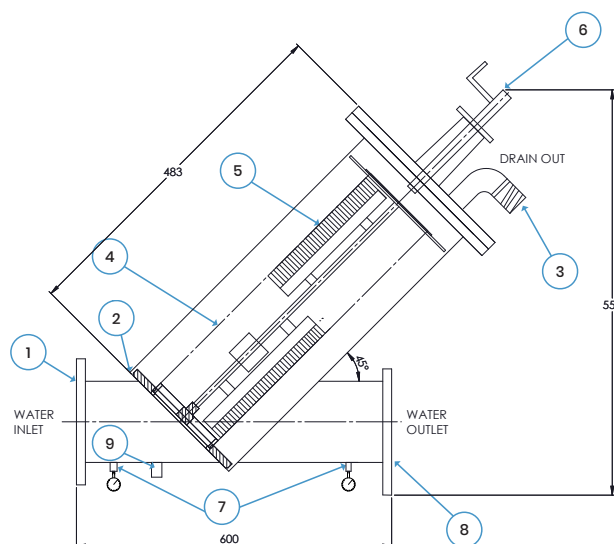
To clean the filter simply open the flush valve and rotate the handle from one stop to another

This action combined with turbulence causes the brush to wipe the entire internal screen with suspended solids expelled through the back wash drain valve. The frequency of cleaning will depend on several variable factors including screen size, flow rate, solids loading and particle distribution in the water.

Technical Data

Semi-Automatic In-Line Brush Filter

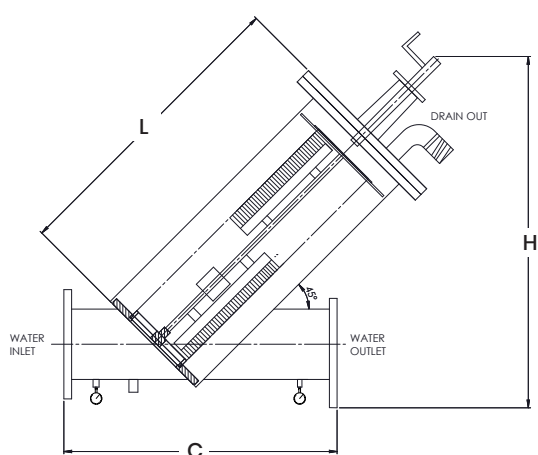
ITEM	DESCRIPTION	Material
1	Water Inlet	
2	Supporting Ring	304SS
3	Drain Valve	
4	Fine Screen	316SS
5	Brush	316SS
6	Cleaning Handle	
7	6mm Female Topping	
8	Water Outlet	
9	25mm Female Socket	



Dimensional Details

Model	Nominal Size Nominal Flow			Filter Area cm ²	Dimensions			Weight Kg
	mm	L/sec	m ³ /hr		H	L	C	
FWSA2-100	100	22	80	3500	554	483	600	72
FWSA2-150	150	42	150	4350	861	775	800	85
FWSA2-200	200	89	320	5500	1071	944	850	120
FWSA2-250	250	144	520	8650	1293	967	1052	150
FWSA2-300	300	197	710	11750	1585	1260	1380	270

Standard Mesh – 8,12 or 20 mesh (Other perforations available on request)



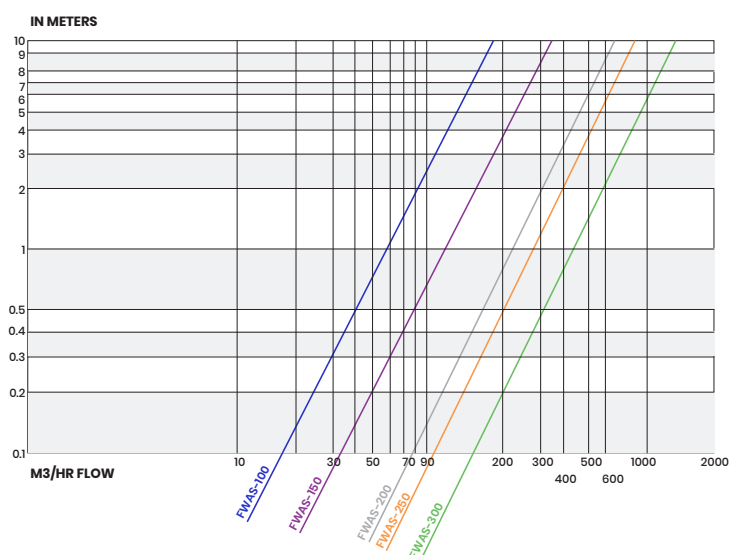
Technical Data:

Min operating pressure	100kPa
Max operating pressure	1000kPa
Clean filter pressure loss	20kPa (At rated flow)
Max water temperature	55° C
Flush water used	50-150 litres
Housing material	304 S/S
Connections	Flanged Table D

Filtration Aperture Table

Micron	800	1600	2400
Mesh	20	12	8
Millimeters	0.8	1.6	2.4

PRESSURE LOSSES FOR VARIOUS FLOW CAPABILITIES



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