

HELIX HYDRO



Series 500 Semi –Automatic Brush Filters

Helix Hydro's range of 90 degree 50-200mm 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.
- ✔ Wide selection of screen options ranging from 120 – 800 microns.

Cleaning Operation

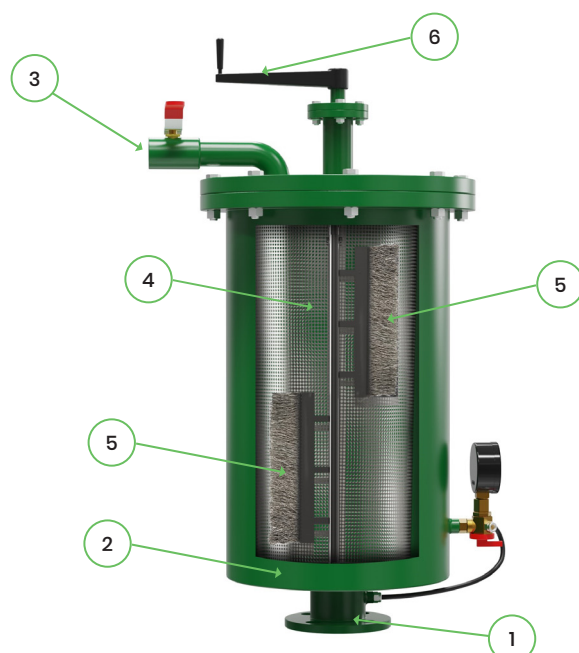
During normal filtering mode water enters the Inlet, passes through the fine screen to the outlet where suspended solids are trapped on the inside of the filter screen and will eventually cause a pressure drop across the filter.

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 valve. The frequency of cleaning will depend on several variable factors including flow rate, solids loading and particle distribution in the water.

Technical Data

Semi-Automatic Brush Filter 90 Degree

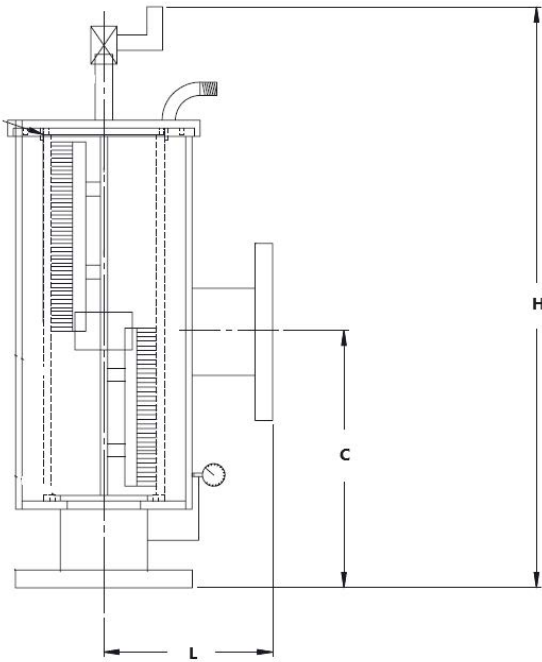
ITEM	DESCRIPTION	Material
1	Water Inlet	
2	Supporting Ring	304SS
3	25mm Drain Valve	
4	Fine Screen	316SS
5	Brushes	316SS
6	Cleaning Handle	



Dimensional Details

Model	Nominal Size Nominal Flow			Filter Area cm ²	Dimensions			Weight Kg
	mm	L/sec	m ³ /hr		H	C	L	
FWS5-50	50	11	40	1710	560	270	160	55
FWS5-80	80	22	80	1710	610	320	210	60
FWS5-100	100	25	90	3500	723	320	210	75
FWS5-150	150	50	180	4850	1037	487	271	100
FWS5-200	200	83	300	5500	1271	590	309	125

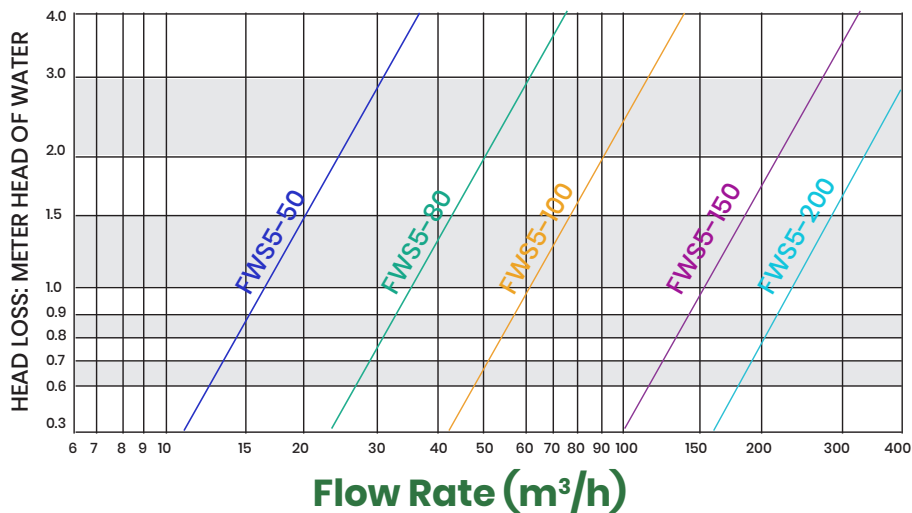
Standard mesh - 40, 80 & 120 mesh. (Other perforations available on request)



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	Epoxy coated mild steel
Connections	50mm/2" are threaded, all others are flanged (Table D)

Filtration Aperture Table				
Micron	800	400	200	120
Mesh	20	40	80	120
Millimeters	0.8	0.4	0.2	0.12

Head Loss Graph



Helix Hydro Pty. Ltd.
 23 Sir Laurence Drive
 Seaford, Victoria 3198
 Phone: 03 9580 2122

Contact: enquiries@helixhydro.com.au
 Website: www.helixhydro.com.au

VIC/TAS P: 0427 033 967
 WA/NT P: 0409 115 895
 NSW/ACT P: 0414 675 663
 QLD P: 0417 733 508
 SA P: 0427 033 967

