

# HELIX

## HYDRO



## Automatic Filter – 90° Brush Electric Drive

Helix Hydro's range of 90°, 100mm – 300mm stainless steel bodied filters are suitable for agricultural and industrial applications.



### Features

- ✔ **Backwash:** Automatic backwash on pressure differential and time
- ✔ **Motor:** 415V & 240V available
- ✔ **Connections:** Flanged Table "D" Connections
- ✔ **Material of construction:** 304 S/S pipe (no seam)
- ✔ **Available filtration Screens:** 12 & 8 mesh (other perforations available on request)
- ✔ **Cleaning:** Rotating brush removes dirt particles from blocked screen
- ✔ **Flushing:** Supplied with 50mm automatic hydraulic flush valve
- ✔ **Pressure Gauges:** Pressure gauge supplied
- ✔ **Pressure:** Maximum working pressure up to 10 bar (1000kpa)
- ✔ **Temperature:** Maximum working temperature 55° C

### Cleaning Operation

As the water passes through the filter contaminants are trapped on the inside of the filter screen as the filtered water flows through the outlet.

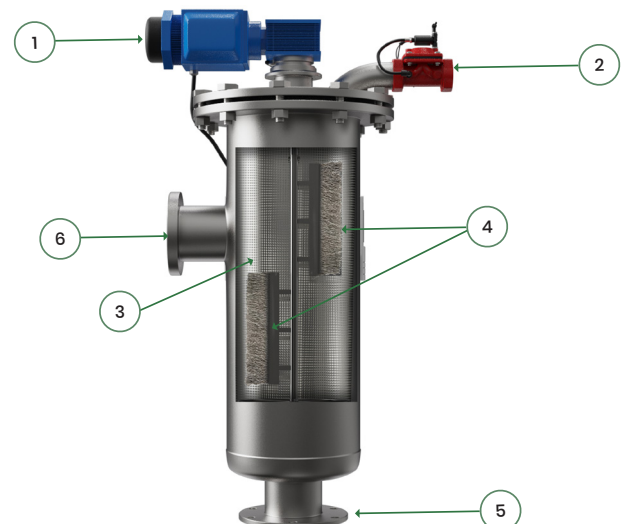
Once the filter reaches either the preset pressure differential of 50Kpa or user determined time interval, a signal is sent to the motor to activate the brush rotation where solids are expelled through the open flush valve.

The filter continues to supply filtered water even during the flush cycle. The control panel has 3 modes, pressure differential, time and manual.

### Technical Data

Automatic Brush Filter 90 Deg Electric Drive

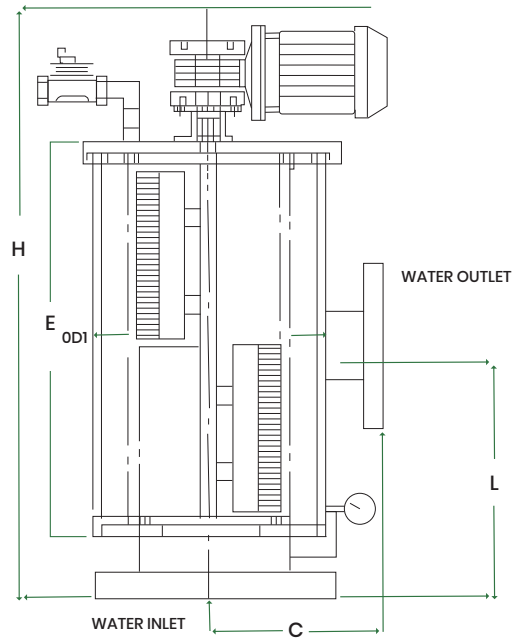
ITEM	DESCRIPTION	Material
1	Electric Motor	
2	Automatic Drain Valve	Cast Iron
3	Screen	304 S/S
4	Cleaning Brush	304 S/S
5	Water Inlet	304 S/S
6	Water Outlet	304 S/S



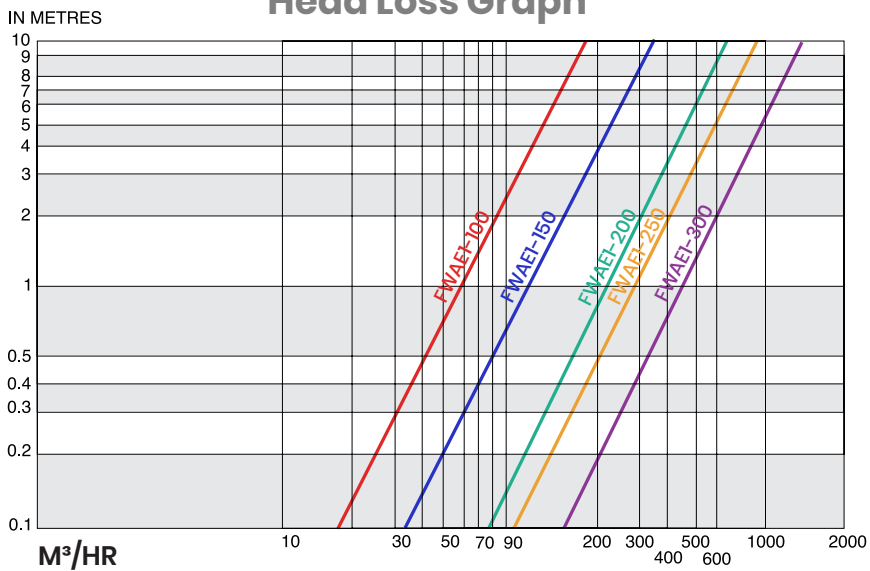
## Dimensional Details

Model	Nominal Size		Nominal Flow	Filter Area	Dimensions					Weight
	mm	L/sec	m3/hr		H	L	C	E	ODI	
FWAEI-100 mesh	100	22	80	3500	1187	500	236	870	273	110
FWAEI-150 mesh	150	41	150	4350	1144	490	282	790	325	140
FWAEI-200 mesh	200	88	320	5500	1428	590	308	922	377	160
FWAEI-250 mesh	250	136	490	5500	1525	630	363	967	426	270
FWAEI-300 mesh	300	197	710	5500	1874	790	415	1260	530	310

Standard mesh - 12 & 8 mesh. (Other perforations available on request)



## Head Loss Graph



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