

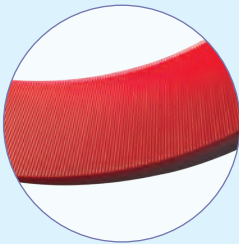
Spin Clean® Disc Filter

United Cyclonic and 3D Filter



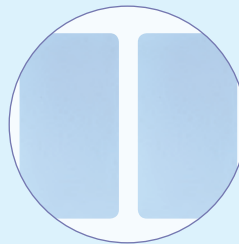
(Jain Hydrocyclone Filter
+ Jain Super Flow Disc Filter)

Features & Benefits



Radially Convergent Grooved Discs

Disclean® element with strong, precision engineered and radially grooved disc to provide fine three dimensional filtration. (Flow direction Out to In)



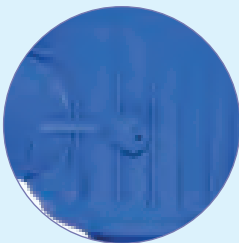
Standard Epoxy Coating for Protection from Corrosion

Coated with more than 70 micron thick light blue coloured epoxy powder from both inside and outside surface for protection against corrosion and weather effects



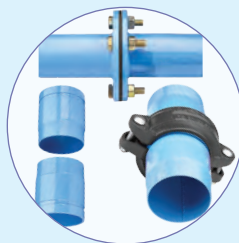
Special Rubber Cone

Special rubber cone is provided at the bottom of the cone of Hydrocyclone filter to prevent wearing



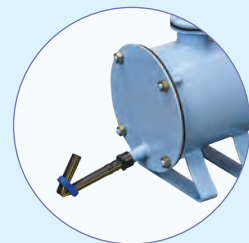
Equipped with Pressure Check Assembly

To check pressure from inlet side and outlet side, additional Pressure check assembly provided



Various Connection Options Available

Threaded connection, Flanged connection or Easy Fix™ connection available



Separate Draining Facility Available

Large volume of dirt collection chamber with drain valve for Hydrocyclone filter and separate drain valve for Disc Filter

Spin Clean® Disc Filter- Classic

(Jain Hydrocyclone Filter + Jain Super Flow Disc Filter - SILVER)

Additional Features

- Mild steel construction.
- Dirt can be easily flushed out through dirt collection chamber.
- Available in maximum operating pressure of 6 kg/cm² (142 psi).
- Can also be supplied in stainless steel as a special order.
- Can be supplied in higher flow capacities in multiple batteries option.

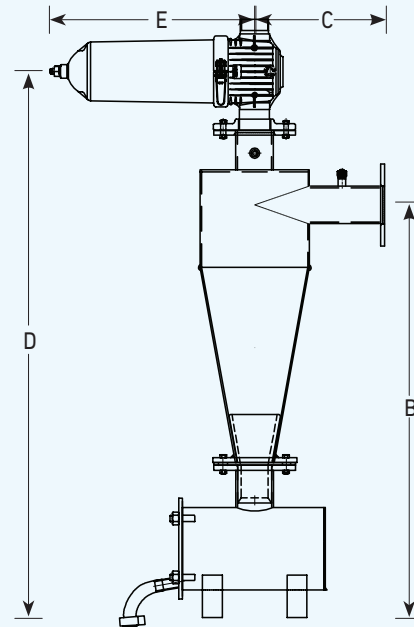
Applications

- Used in micro irrigation systems to remove sand and silt particles from irrigation water.

Technical Specifications

Nominal Flow Rate		Inlet/ Outlet Connection		Vol.of coll. chamber	Gross Weight	
m ³ /hr	gpm	inch		litres	kg	lbs
25	110	2"		6.0	27.0	59.5
40	176	2½"		12.0	33.0	72.8
40	176	3"		12.0	33.0	72.8
50	220	3"		12.0	37.0	81.6

Dimensional Specifications



Nominal Flow Rate		A	B	C	D	E
m ³ /hr	gpm	mm	mm	mm	mm	mm
25	110	1140	685	250	990	500
40	176	1360	840	250	1210	500
40	176	1500	1025	250	1350	500
50	220	1500	1025	250	1350	615

Clean Pressure Drop Chart

Size inch	Flow m ³ /hr	K	m	Pressure Drop(kg/cm ²) w.r.t. Flow (m ³ /hr)												
				5	10	15	20	25	30	40	50	60	70	80	90	100
2	25	0.03796	0.096	0.06	0.1	0.16	0.26	0.42	0.68	1.78	-	-	-	-	-	-
2½	40	0.0601	0.053	0.08	0.28	0.37	0.48	0.63	0.82	1.4	2.39	-	-	-	-	-
3	40	0.12283	0.037	0.15	0.18	0.21	0.26	0.31	0.37	0.53	0.77	1.11	1.61	2.32	-	-
3	50	0.12283	0.037	0.15	0.18	0.21	0.26	0.31	0.37	0.53	0.77	1.11	1.61	2.32	-	-

Governing equation, $h = k e^{m \chi}$; h = Pressure drop (kg/cm²); χ = Flow rate (m³/hr); K = Pressure drop constant; m = Flow constant (for k & m value refer table)

Note: Filters are tested under standard laboratory test conditions.

