

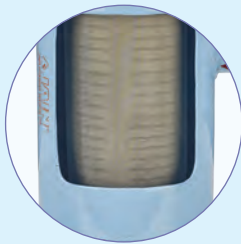
# Spin Clean® Screen Filter

Fine Filtration with Less Head Loss



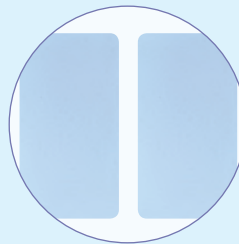
(Jain Hydrocyclone Filter  
+ Jain Super Flow Screen Filter)

## Features & Benefits



### Innovative assembly of Hydrocyclone Filter and Screen Filter

Hydrodynamically designed Hydrocyclone filter to create maximum centrifugal action to separate particles heavier than water and screen filter for secondary filtration



### 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



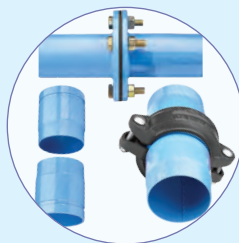
### Special Rubber Cone

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 – Classic

## (Jain Hydrocyclone Filter + Jain Super Flow Screen 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/cm<sup>2</sup> (142 psi).
- Can also be supplied in stainless steel as a special order.
- Can be supplied in higher flow capacities in multiple batteries option.

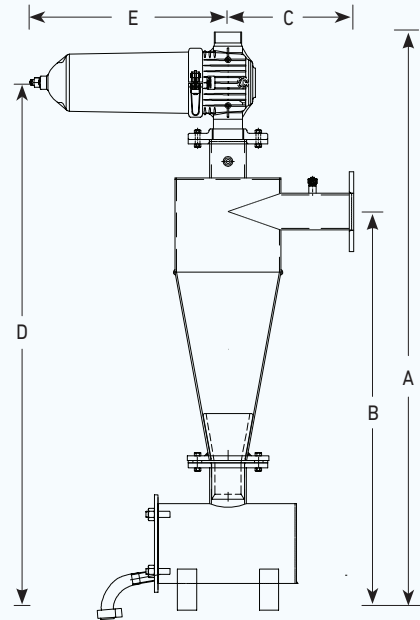
### Applications

- Used in nuri irrigation systems to remove sand & slit particles from irrigation water.

### Technical Specifications

Nominal Flow Rate		Inlet/ Outlet Connection	Vol.of coll. chamber	Gross Weight	
m <sup>3</sup> /hr	gpm	inch	litres	kg	lbs
25	110	2"	6.0	26	57.3
40	176	2½"	12.0	31	68.3
40	176	3"	12.0	32	70.6
50	220	3"	12.0	36	79.4

### Dimensional Specifications



Nominal Flow Rate		A	B	C	D	E
m <sup>3</sup> /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	Flow (m <sup>3</sup> /hr)	K	m	Pressure Drop(kg/cm <sup>2</sup> ) w.r.t. Flow (m <sup>3</sup> /hr)												
				5	10	15	20	25	30	40	50	60	70	80	90	100
2	25	0.04984	0.076	0.07	0.11	0.16	0.23	0.33	0.49	1.04	2.23	4.78	-	-	-	-
2½	40	0.13048	0.055	0.17	0.23	0.3	0.39	0.52	0.69	1.19	2.07	3.6	-	-	-	-
3	40	0.06563	0.048	0.08	0.11	0.14	0.17	0.22	0.28	0.45	0.74	1.19	1.94	3.14	-	-
3	50	0.09297	0.041	0.11	0.14	0.17	0.21	0.26	0.31	0.47	0.71	1.06	1.59	2.39	-	-

Governing equation,  $h = k e^{m \chi}$ ;  $h$  = Pressure drop (kg/cm<sup>2</sup>);  $\chi$  = Flow rate (m<sup>3</sup>/hr);  $K$  = Pressure drop constant;  $m$  = Flow constant (for  $k$  &  $m$  value refer table)

Note: Filters are tested under standard laboratory test conditions.

