

# Spin Clean® PL

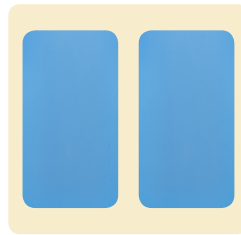
Wrestling for Clean Water



## Features & Benefits

### Innovative Filter Design

Compact design, economical since no extra fittings required for the connection of Jain Sand Separator to Disc filter

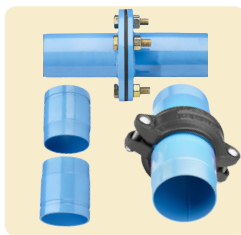


### Standard Pure Polyester / Epoxy coating for Protecting from Corrosion

Coated with more than 70 micron thick deep blue colored pure Polyester powder on outer surface & Epoxy coating from inner side for protection against corrosion and weather effects

### Various Connection Options Available

Threaded connection flanged connection or Easy Fix™ connection available

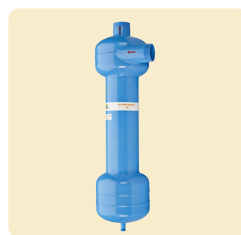


### Draining Facility Available

Drain valve available for draining dirt particles from filter.

### Additional Pressure Check Assembly

To check pressure from inlet side & outlet side additional pressure check assembly provided



### Equipped with Patented Jain Sand Separator

Innovative hydrodynamic patented design used in spin clean filter

# Spin Clean® PL - GOLD

## Additional Features

- Mild steel construction for Sand separator and special plastic alloy material for Disc filter
- Specially equipped Jain Sand Separator with disc filter for efficient filtration. It also helps to prolong cleaning of disc element.
- Removes fine sand and silt particles of size higher than 75 microns.
- Maximum operating pressure 10 kg/cm<sup>2</sup> (142 psi).
- Can also be supplied in stainless steel as a special order.
- Can be supplied with in multiple batteries option.
- Can also be supplied with fully automatic option.

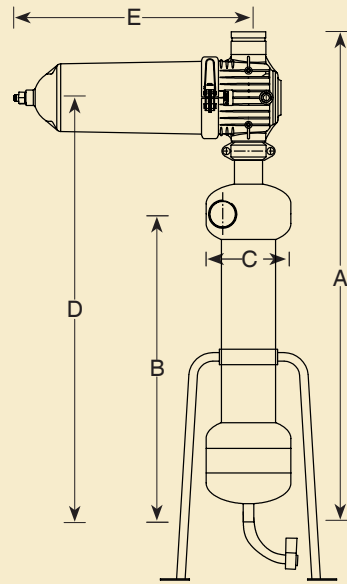
## Applications

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

## 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"	13.75	37	-
40	176	2½"	16.35	41	-
50	220	3"	23.19	58	-

## Dimensional Specifications



Nominal Flow Rate		A	B	C	D	E
m <sup>3</sup> /hr	gpm	mm	mm	mm	mm	mm
25	110	1265	805	219	1125	485
40	176	1265	795	219	1125	485
50	220	1400	890	273	1255	600

## Clean Pressure Drop Chart

Size inch	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	0.053	0.086	0.08	0.13	0.19	0.3	0.46	0.7	1.66	3.91	-	-	-	-	-
2 ½	40	0.061	0.066	0.09	0.12	0.16	0.23	0.32	0.44	0.86	1.66	3.21	-	-	-	-
3	50	0.11	0.039	0.13	0.16	0.2	0.241	0.29	0.36	0.53	0.78	1.16	1.72	2.55	3.78	-

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.



Filter & Fertigation