

# OdisMatic® Hydraulic Filter

## Series 851 CE

This compact automatic screen filter, hydraulically operated, is a perfect solution for use without power supply in irrigation, industry and recycling.

The filter has a specially effective suction nozzles system for cleaning the screen. The self-cleaning mechanism is hydraulically operated by the in line water pressure. The cleaning process can be activated automatically or manually.

During flushing cycle the suction nozzles scan the entire screen's inner surface in a helical movement.

### ADVANTAGES:

- High screening efficiency due to its unique stainless steel sintered filter element.
- Low minimum operating pressure.
- The compact design allows installation in limited space.
- Low head-loss.
- Efficient fully automatic self-cleaning mechanism.
- Filter uses small quantities of water to flush the screen.
- Filtered water supply is not interrupted during flushing.
- Simple and easy to operate.
- Low maintenance cost.
- Low cost per cubic meter of filtered water.
- Long service life thanks to anti corrosion protection coating and a non corrosive materials.



### PHYSICAL CHARACTERISTICS

Model	Inlet/Outlet Diameter (inch)	Maximum Flow rate (m³/h)	Flushing Flow rate (m³/h)	Screen Area	
				Sintered St.St. (cm²)	P.V.C. Backing (cm²)
85107	¾"	4	2-3	-	270
85101	1"	7	2-3	-	270
85115	1½"	15	4-5	600	450
85102	2"	25	4-5	600	450
85103	3"	40	4-5	1100	800
85104	4"	80	4-5	1100	800
85106	6"	150	8-10	4500	2900
85108	8"	300	12-14	6200	4000

## Series 850 CE

This automatic screen filter, hydraulically operated, is a perfect solution for use without power supply in irrigation, industry and recycling.

The filter has a specially effective suction nozzles system for cleaning the screen. The self-cleaning mechanism is hydraulically operated by the in line water pressure.

The cleaning process can be activated automatically or manually.

During flushing cycle the suction nozzles scan the entire screen's inner surface in a helical movement.

### ADVANTAGES:

- High Reliability: Maintains high filtering efficiency.
- Low head-loss.
- Efficient fully automatic self-cleaning mechanism.
- Filter uses small quantities of water to flush the screen.
- Filtered water supply is not interrupted during flushing.
- Simple and easy to operate.
- Low maintenance cost.
- Low cost per cubic meter of filtered water.
- Long service life thanks to anti corrosion protection coating and a non corrosive materials.



### PHYSICAL CHARACTERISTICS

Model	Inlet/Outlet Diameter (inch)	Flow Rate (m³/h)	Flushing Flow Rate (m³/h)	Screen Area (cm²)
85002-IE/PE	2"	25	18-24	450
85003-IS/PS	3"	40	18-24	450
85003-IE/PE	3"	40	18-24	1550
85004-IS/PS	4"	80	28-34	800
85004-IE/PE	4"	80	27-36	3100
85006-IE/PE	6"	150	27-36	3100
85008-IS/PS	8"	300	27-36	3100
85008-PE	8"	300	36-48	4600
85010-IS/PS	10"	400	27-36	4100
85012-IS/PS	12"	600	36-48	6100
85014-IS/PS	14"	900	36-48	6900
85016F-PS	16"	1100	36-48	6900