



S*DISC FILTER

PATENTED BREAKTHROUGH IN FILTRATION

* Permanent Self-Cleaning Patented Element

* Never needs replacement

* Never needs servicing



REGIONAL DISTRIBUTOR FOR SOUTH EAST ASIA

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S*DISC FILTER : UNIQUE PRODUCT.

S*TECHNO S*DISC FILTER (SDF) is a unique water filtration device patented worldwide. The advanced concept rotary filter design uses an innovative method which allows the patented **S*DISC FILTER** element to be clean by rotating the body without opening the filter. A simple twist of the filter body after opening the drain valve, flushes collected contaminants with clean filter water, in less than 60 seconds. Using materials approved by the US FDA and of sturdy construction the filter element never needs replacement and never needs servicing.



Fig 1: Available in 2 sizes :
50mm pipe diameter. Flow rate 25m³/hr.
25Mm pipe diameter. Flow rate 5m³/hr.

S*DISC FILTER : PATENT TECHNOLOGY.

S*DISC FILTER self cleaning semi-automatic rotary container is designed with 8 peripheral cells inside of which 7 are used for filtering and 1 for flushback. When in operation, the water is filtered through the 7 cells around the fixed filter. During flushback, the outflow is closed and the drain valve is open reversing the flow of the filtered water through the flushback cell. Rotation of the flushback cell allows the flushback water to sweep around all the discs, thereby flushing out all the contaminants with clean water, from inside out. No other filter offers this feature. (See Fig 2)

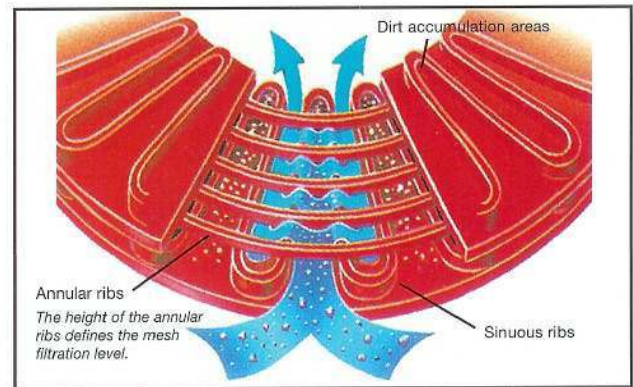


Fig 3: The special patented **S*DISC** design.

S*DISC FILTER superiority lies in the heart of its patented filter element. The filter is composed of numerous plastic discs arranged and fastened in a stack. Each disc is designed on a patented pattern comprising of an endless sinuous ribs on one side and a concentric annular ribs on the other side. When stacked on top of each other, the contacting faces of the sinuous ribs and the annular ribs creates a filtering passageways between them. (See Fig 3). The total filtration surface created by the sinuous ribs is therefore much larger than any other filter available on the world market. The unique shape of the ribs and the smoothness of the disc face creates substantial dirt accumulation capacity and permits easy cleaning by back flushing, using only a small amount of water. The height of the annular ribs define the filtration level, which ranges from 500 microns to 5 microns finess.

S*DISC FILTER : SUPERIOR PERFORMANCE.

S*DISC FILTER advance rotary container design is :-

- * Easily cleaned and maintained by rotation
- * Semi-automatic, no necessity to open the filter body
- * Cleans by back flushing with clean filtered water

S*DISC FILTER patented sinuous labyrinth pattern is :-

- * Self cleaning using small amounts of water
- * Dirt collection volume 4 times over ordinary filter
- * After cleaning the headloss returns to its initial value
- * Low resistance to water flow
- * Filtration performance up to 5 microns
- * Never need replacement

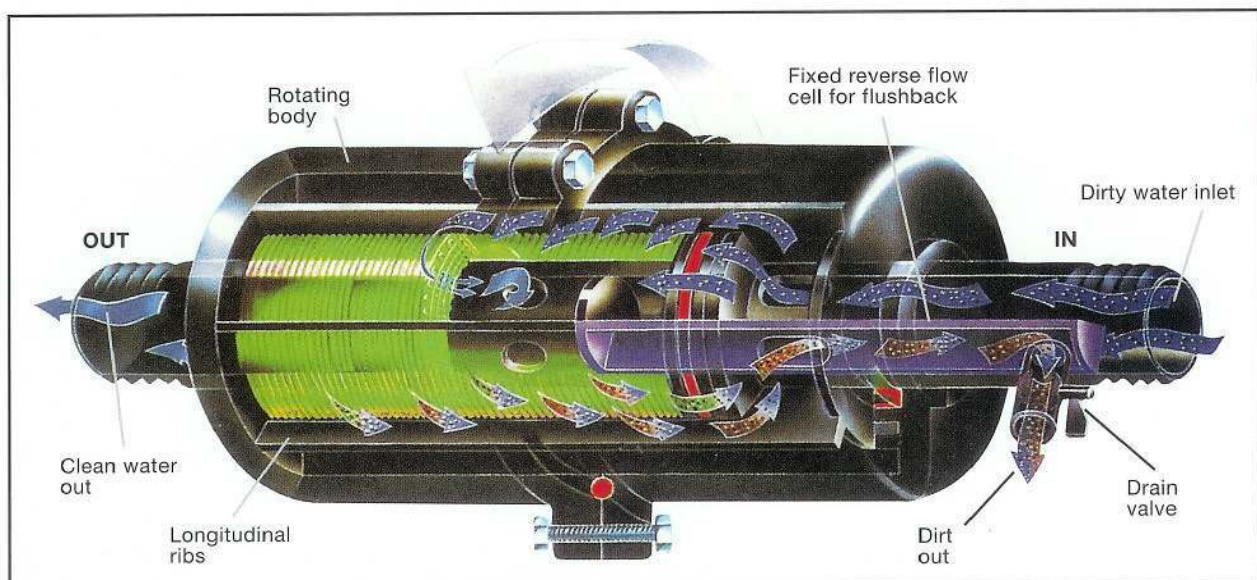


Fig 2: Three dimensional cross section of filter.