Tavlit Stand-Alone Automatic Disc Filter

TAVLIT offers an automatic solution for low flow rates up to 20 m3/h.

The system is based on TAVLIT innovative and patented TVD disc filter that combines high quality and disc filtration with a unique and patented flushing technology and includes two units of flush valves and a bypass screen enabling the filter to perform flushing with filtered water from the inlet.

Filtration process:

Water enters the filter and flow through the discs from the outer surface into the inner space. The dirt accumulates on the outer surface and between the grooves and filtered water flow to the outlet of the filter.

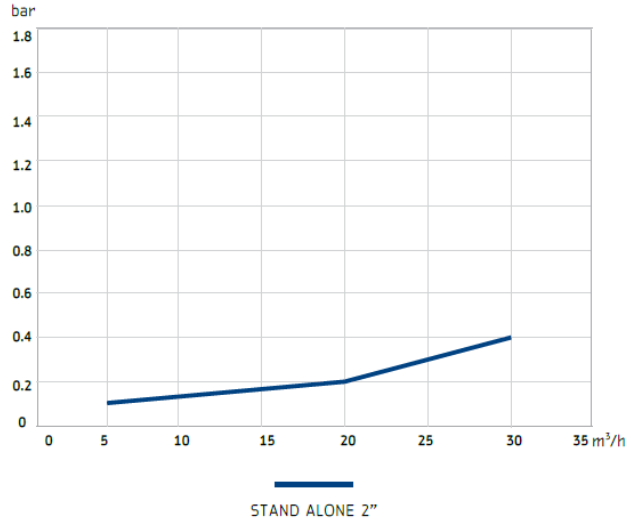
Technical information:

- Inlet / outlet - 2."
- Available connections: Male thread, Victaulic.
- Max. operating pressure 10 bar.
- Min. pressure required for flushing 1.5 bar.
- Max. flow rate: 20 m3/h.
- Backflush flow rate: 6.5 m3/h (at 1.5 bar).
- Filtration grade: 20-425 microns (800 - 40 mesh).
- System is also available with TAVLIT standard automatic filter model TAD.

Flushing process:

Accumulation of the dirt increases the head loss across the filter. When the head loss reaches a preset value (usually 0.5-0.7 bar; 7-10 psi) the controller performs a flushing cycle. The valves change position. The inlet valve closes the inlet port and opens the drain port and the outlet valve closes the outlet port and opens the side port. Water flow through the bypass pipe, pass through the screen element and enters the flushing spines. Specially designed venturi devices
installed at the spine inlets introduce air into the spines. The mixture of air and water enables highly efficient flushing, uses smaller quantities of water and shortens the flushing time.
Additionally, the controller has a preset time-based flushing as backup. During the flushing process water supply is stopped. After the filter is clean the filter returns to filtering mode and the outlet valve opens.

Head Loss



Technical Dimensions

Dimension		mm
A	Length	1,050
B	Width	310
C	Height	1,080