



TAVLIT

Smart Filtration



ADIR Semi –automatic disc filters series TDS

TAVLIT offers a unique and innovative semi-automatic disc filter that enables the user the advantages of disc filtration without the need of opening the filter and manually cleaning the discs on one hand and without the expensive and sophisticated control systems of an automatic disc filters. The cleaning process is simple and quick.

The user only has to turn the handle a ¼ of a turn for 10-20 seconds. The filters are available at 2 and 3" and flow rates up to 50m³/h (220 gpm).

Special Features:

- Flushing is performed simply by turning the operation handle a ¼ of a turn. Quick and easy.
- Water for flushing the discs is filtered with an internal screen.
- Small footprint.
- No external valves are required.

Applications:

- Water filtration for Agriculture, Turf and industry.
- Intended as control filter in subsections for easy cleaning.
- Most suitable for low quality water sources where the user prefers to clean the discs element without dismantling the filter.



Standard - Pressure indicator enables quick and easy way to show the user that the filter is dirty and needs flushing.

- When pressure loss across the filter element reaches the preset value, usually 0.5 bar (7 psi), the red button pops up and the user can see from a distance that the filter needs flushing.
- There is no need to perform manual pressure tests.
- After flushing the button descends into the indicator body.
- The device is connected directly to the pressure testing ports located on the filter body.

Filter is offered in two models:

TDS-1A – the cleaning process is performed in one action. The user just turns the handle and the filter performs a flushing cycle: Downstream closes, drain valve opens, discs are released and filtered water rotate the discs and removes the dirt. After approximately 10-20 seconds the discs are clean, the user turns the handle back and the filter resumes its filtering mode.

When the filter is clean the user needs to flush the secondary port by opening the service valve for 10 seconds.

TDS-2A – the economical solution. The user opens the drain valve and then rotates the handle a ¼ of a turn and the filter performs a flushing cycle: Downstream closes, discs are released and filtered water rotate the discs and removes the dirt. After approximately 10-20 seconds the discs are clean, the user turns the handle back and closes the drain valve, the filter resumes its filtering mode.

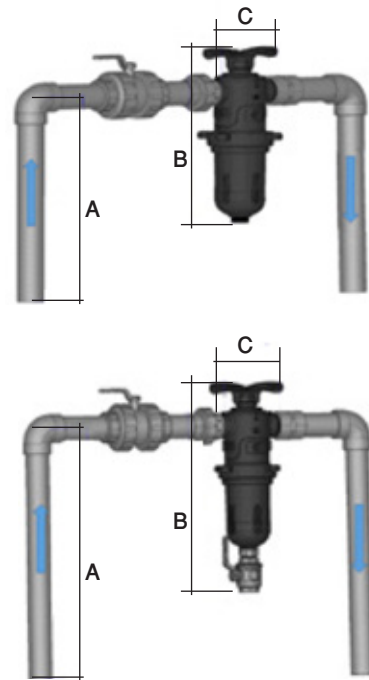
When the filter is clean the user needs to flush the secondary port by opening the service valve for 10 seconds.



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Technical specifications:

- Available sizes: 2 and 3".
- Max working pressure: 10 bar.
- Max. flow rate:
 - 2" 25 m³/h
 - 3" 50 m³/h
- Available in 40 – 140 mesh.
- Required time for flushing: 10-20 seconds.
- Required time to flush the secondary port - 10 seconds.
- Flushing flow rate:
 - 2 bar: 9.3 m³/h
 - 3 bar: 12 m³/h
- Filtration area: 1025 cm²
- Construction materials: Nylon, Polypropylene.



Physical Dimensions

Dimensions (mm)	One Action	Two action
A	750	950
B	645	795
C	235	235

We recommend installing a manual valve in the upstream.

Weight (empty)

Size	Model	Weight (kg)	Weight (Lbs.)
2 - 3"	1 action	8.6	19
2 - 3"	2 action	9.3	20.5

Technical Specification

Size		2" S	3"
Flow rate	m ³ /h (gpm)	25 (110)	50 (220)
Disc filtration area	cm ² (inch ²)	1,025 (160)	1,025 (160)
Disc element	Mesh (micron)	40 – 140 (425 – 105)	40 – 140 (425 – 105)

