TAVLIT TAD ADIR AUTOMATIC DISC FILTER BATTERIES

Tavlit line of automatic disc filters model TAD combines high quality depth filtration with efficient flushing of the disc element.

The filter element is composed of highly accurate grooved discs from excellent quality plastic materials. The grooved discs are compressed together to form the filtration element.

The intersections between the grooves and the outer surface of the element offer a large effective filtration surface within the depth area used to stop debris and is especially effective in filtration of organic matter.

APPLICATIONS
• As main filter battery for AG, Turf and large landscape projects
• Used as pre-filtration in systems when a high degree of filtration is used to protect the main filters
• Used with cold water irrigation systems only

FILTRATION PROCESS
Water enters the filter and flows 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 flows to the outlet of the filter.

FLUSHING PROCESS
Accumulation of the dirt increases the head loss across the filtration battery.

When the head loss reaches a pre-set value (usually 50kPa; 7psi) the controller performs a flushing cycle, flushing one filter after the other. Additionally, the controller has pre-set time based flushing as a backup.

TECHNICAL INFORMATION
• Available in 50mm and 80mm inlet head size for various flow rates
• Maximum operating pressure: 1,000 kPa
• Minimum pressure required for flushing: 250kPa
• Backflush flow rate: 9.5 m³/h
• Filtration grade: 120 micron/mesh

RECOMMENDED BACKWASHING SETTINGS
• DP setting is set at 0.5 bar (50kPa)
• Flush time 30 seconds
• Delay 2 hours
Users should monitor the drop in pressure across the inlet and outlet on the three way pressure gauge at the inlet manifold. The time it takes to reach a 50kPa drop across the filter is the flushing cycle delay - if possible set your delay to minus 30 minutes. Flush time to 30 seconds or whichever time it takes to return pressure drop below 50kPa across the filter.

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Adir TAD Automatic Disc
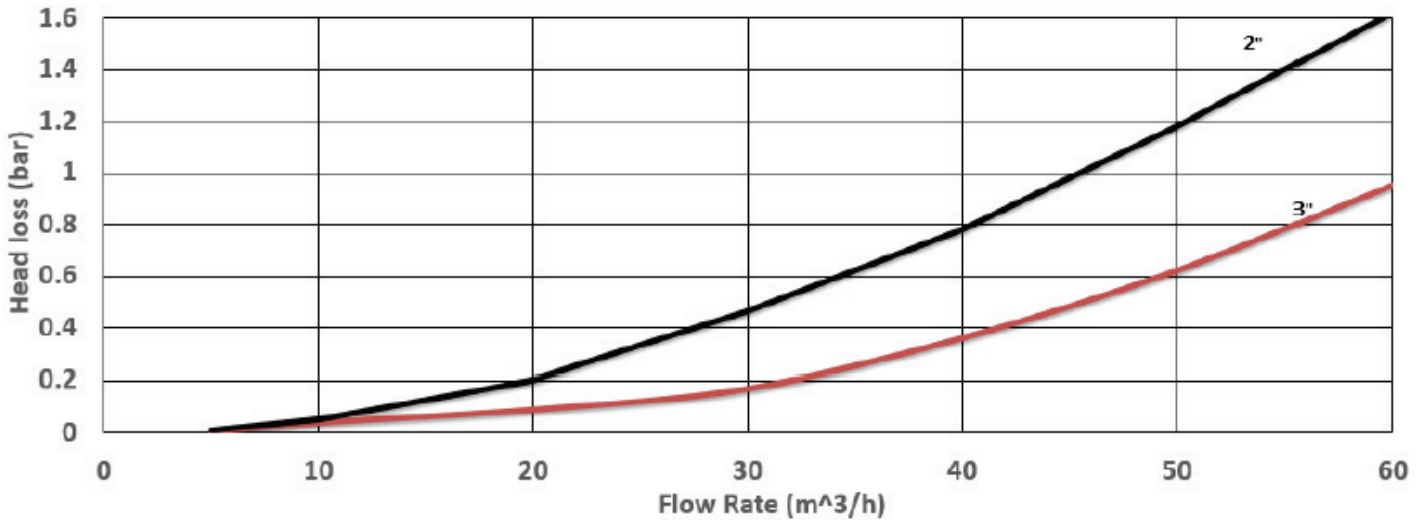
FILTER BATTERY	FILTRATION AREA CM²	FILTRATION VOLUME M³	WATER QUALITY GOOD (M³/HR)	WATER QUALITY AVERAGE (M³/HR)	WATER QUALITY POOR (M³/HR)	CODE
2 X 2"	2,200	2,870	40	30	20	TAD22130MIC
3 X 2"	3,300	4,290	60	45	30	TAD32130MIC
3 X 3"	3,300	4,290	90	75	60	TAD33130MIC

Other filter microns available on request
(Filter case supplied in black only)

FILTRATION_TAVLIT_TAD-3_V1.05-20

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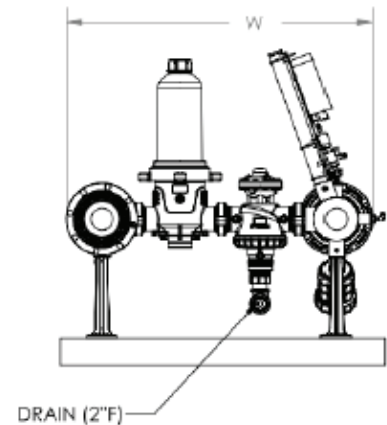
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MODEL	PART NUMBER	FILTER INLET / OUTLET	A	B	C	D	E	W	L	H	H1	H2
2 X 2"	TAD22130MIC	2"	800	1200	80	90	320	1000	750	1100	400	150
3 X 2"	TAD32130MIC	2"	1200	1200	100	110	320	1100	1100	1100	400	150
3 X 3"	TAD33130MIC	3"	1200	1200	150	160	320	1100	1100	1200	450	120
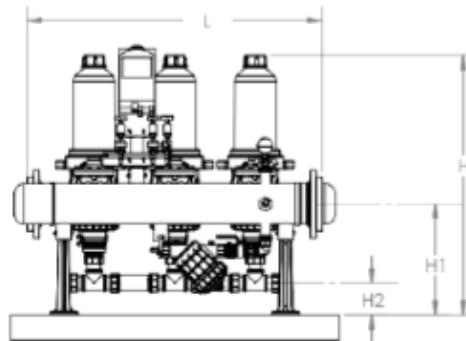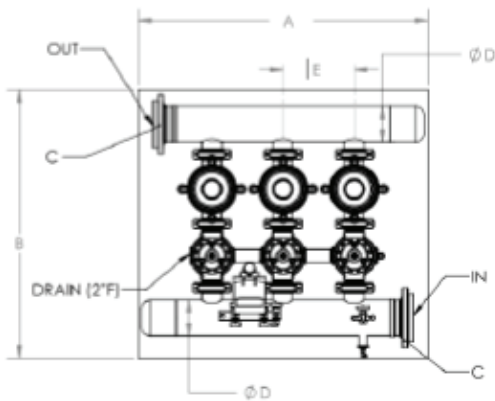
MODEL	PART NUMBER	PIPE SIZE	FLANGE BSTD	HOLES	HOLE DIAMETER MM	CONNECTION TYPE	ENDS
2 X 2"	TAD22130MIC	90	3"	4	16	FLANGED	CAPPED VICTAULIC
3 X 2"	TAD32130MIC	110	4"	4	18	FLANGED	WELDED
3 X 3"	TAD33130MIC	160	6"	8	18	FLANGED	WELDED

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