New

Turbo-Automatic Screen Filter

2", 2½", 3" & 4"

The Turbo Automatic Screen Filters from Automat offer reliable and efficient filtration for irrigation and industrial applications. Equipped with a dedicated Automat Controller, these filters ensure flawless cleaning even in low-pressure scenarios, making them ideal for drip and micro-irrigation systems, turf irrigation, and industrial wastewater management. With automatic flushing triggered by pressure differentials, time, or manual settings, the Turbo Series delivers uninterrupted irrigation with minimal water waste.



HIGHLIGHTS

- **Continuous Operation:** Irrigation continues seamlessly during the self cleaning process.
- **Automatic Flushing:** Activated by pressure differential, time, or manual control for optimal flexibility.
- **Low Pressure Drop:** Ensures consistent water flow without significant pressure loss.
- **Durable Suction Scanner:** Controlled spiral movement minimizes wear and ensures effective cleaning of the mesh.
- **Minimal Water Waste:** Efficient flushing process conserves water during cleaning.
- **Power Options:** Can be operated with electric or solar power, adding versatility.

APPLICATIONS

- **Drip and Micro Irrigation Systems:** Ensures clean water for effective irrigation.
- **Turf Irrigation:** Protects sprinklers and drip emitters from clogging.
- **Industrial Wastewater:** Filters out impurities from wastewater streams efficiently.



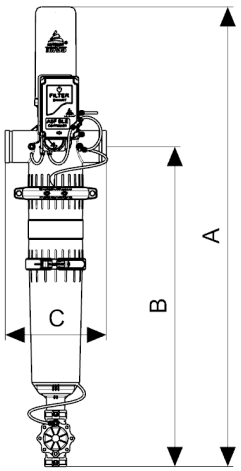
Technical Data

Filter Models		Turbo 800	Turbo 1200	Turbo 1200	Turbo 1600	Turbo 2000	Turbo 2400
Connection Size (Inlet/Outlet)	Inch	2" / 2½"	2" / 2½"	3"	3"	4"	4"
	mm	50 / 65	50 / 65	80	80	100	100
Connection Type		Threaded (BSP/NPT) / Grooved		Threaded (BSP/NPT) / Flanged / Grooved		Flanged / Grooved	
Maximum Recommended Flow Rate*	M^3/HR	25 / 30	30 / 40	40	50	70	80
	GPM	110 / 132	132 / 176	176	220	308	352
Maximum Operating Pressure	BAR	10					
	PSI	145					
Minimum Backwash Pressure	BAR	2					
	PSI	30					
Filtration Area	cm^2	800	1200	1200	1600	2000	2400
	$Inch^2$	124	186	186	248	310	496
Material of Construction		All polymeric, EPDM, St.St.					
Filtration Degree	Mesh	80 / 120 / 150					
	Microns	200 / 130 / 100					
Maximum Working Temperature (°C / °F)		60 / 140					
Flushing Data							
*Flushing Cycle		Time 15 seconds					
Flushing Flow Rate @ 2 BAR (30 PSI)	M^3/HR	8	9	9	10	11	15
	GPM	35	40	40	44	46	66
Control and Electricity							
Rated Input Supply (To Controller)		24V DC					

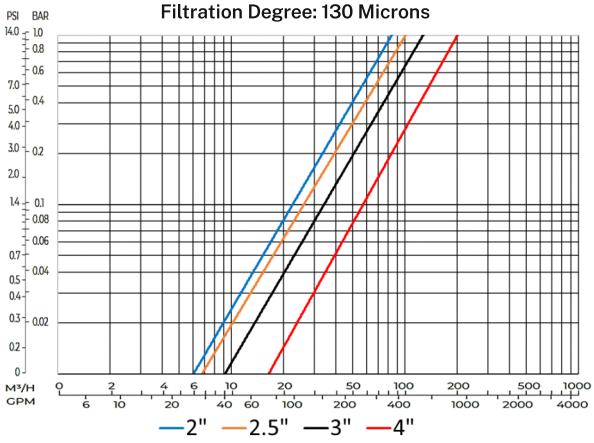
*Flow depends on water quality.

Product Dimensions

Dimensions		Turbo 800	Turbo 1200	Turbo 1600	Turbo 2000	Turbo 2400
A	CM	112	120	133	151	164
	INCH	44	47	52	60	64
B	CM	63	71	84	101	113
	INCH	24	28	32	39	44
C	CM	37			40	
	INCH	14			15	



Head Loss Chart (With clean water)



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