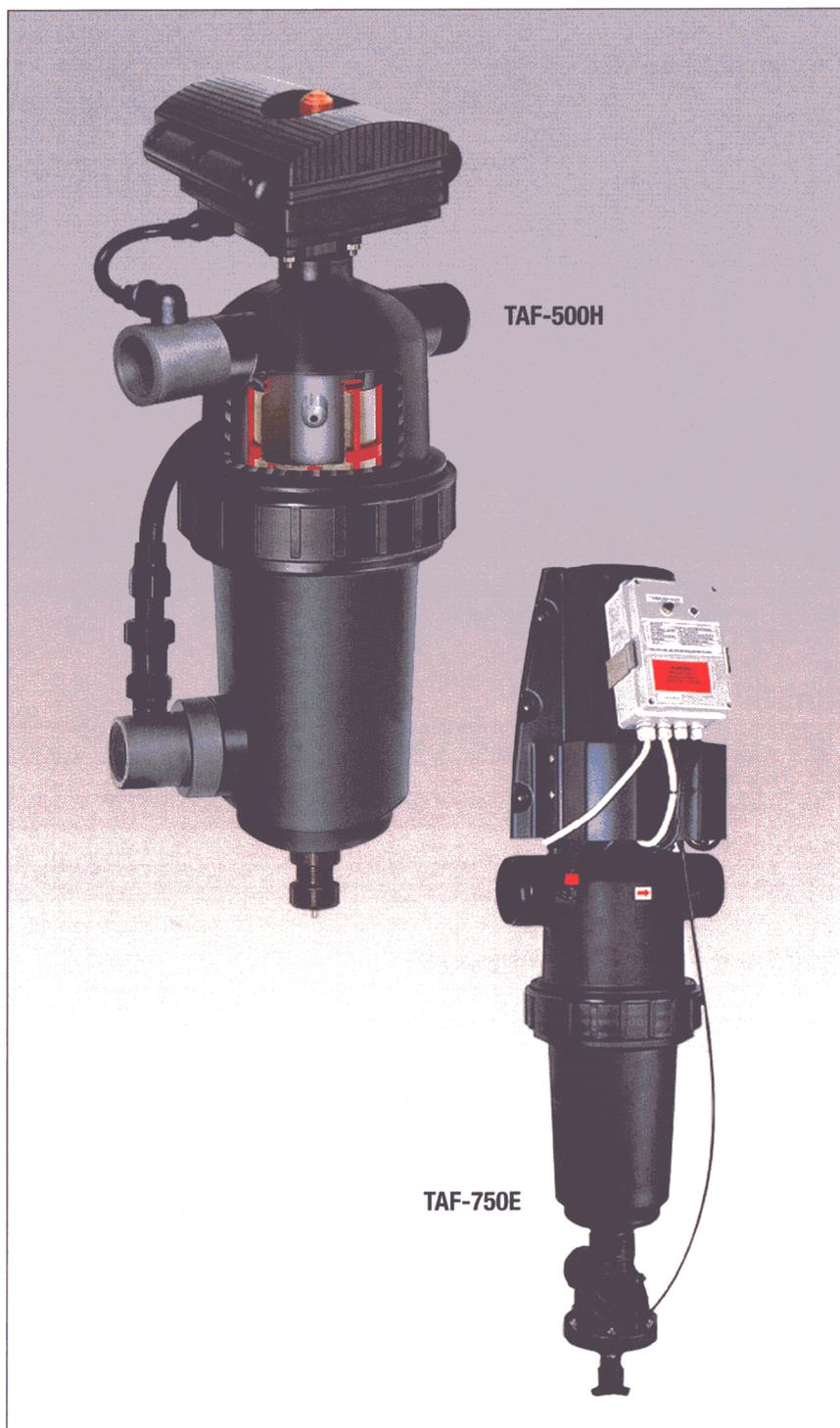


# AMIAD "TAF" Filter Series

## 2"/3" Automatic Plastic Filter

- 2", 2"- Super and 3" filters for flow rates up to 220 gpm.
- Simple and easy to operate and maintain.
- Proven "Scanner" technology allows for minimum flow and pressure for flushing.
- Superior performance at the lowest price.
- High quality stainless steel screens with filtration degrees from 50 to 500 micron.
- The optimal solution for different types of organic and inorganic suspended solids.
- Applicable for various filtration applications: Cooling Towers, Process Water, Intake Water, Aquaculture, Agricultural Irrigation, Greenhouses and many more.
- Corrosion Resistant: The filters are made of high quality engineered plastics.



## General

Filter type	2" TAF-500H	3" TAF-500H	2" TAF-750E	3" TAF-750E
Inlet/Outlet diameter	2"; 50mm	3"; 80mm	2"; 50mm	3"; 80mm
gpm Maximum flow rate*	110 gpm 25 m <sup>3</sup> /h	220 gpm 50 m <sup>3</sup> /h	110 gpm 25 m <sup>3</sup> /h	220 gpm 50 m <sup>3</sup> /h
In/Out connections	NPT	NPT/Flange	NPT	NPT
Min. working pressure**	30 psi; 2 bar			
Max. working pressure	115 psi; 8 bar			
Construction Materials	Housing and lid: polyamid with reinforced glass fibers			
	Seal: nitrile rubber			
Filter area	72 in <sup>2</sup> ; 465 cm <sup>2</sup>		109 in <sup>2</sup> ; 700 cm <sup>2</sup>	
Max. working temperature	115°F; 45°C		140°F; 60°C	

\* Consult manufacturer for optimum flow, depending on filtration degree & water quality.

\*\* Or lower, if pressure is increased for flushing.

## Flushing Data

Exhaust valve	1-1/2"; 40 mm
Flushing cycle time	16 seconds
Exhaust water per cycle	9.5 gallons; 40 liters
Minimum flow for flushing*	35 gpm*; 8 m <sup>3</sup> /h
Flushing criteria	Differential pressure of 7 psi; 0.5 bar, time intervals, or manual operation

Note: The minimum cleaning cycle flow rate must be calculated using minimum pressure, minimum system flow and exhaust flow. It is recommended that the factory be consulted for low flow/low pressure applications.

\* At 30 psi; 2 bar

## Control and Electricity

Model	500H	750E
Electric motor	N/A	15 watt
Control voltage	2 X 9V DC Batteries	24 V AC
Rated operation voltage	9V DC	110V - single phase; 220 upon request
Current consumption	N/A	0.18 Amp.

## Standard Filtration Degrees

	Molded Stainless Steel Screen						
micron	500	300	200	130	100	80	50
mm	0.5	0.3	0.2	0.13	0.1	0.08	0.05
mesh	30	50	75	120	155	200	300



**amiad** filtration systems®

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Amiad products undergo constant monitoring for quality control. The manufacturer reserves the right to incorporate changes and improvements in the products without prior notice.