Manual Plastic
Double Filters

DD & DE

PLASTIC **FILTERS**

Seawater Pretreatment | Drip & Micro Irrigation | Greenhouse Irrigation | Landscape Irrigation | Pivot Irrigation | Municipal & Drinking Water Pre-Filtration | Process & Cooling Water | Wastewater & Recycling

Double the Capacity.
Uncompromised Reliability.

The Aytok DE-DD series is engineered with legendary durability to meet the highest demands. Its smart, dual-body design doubles the filtration surface, enabling it to handle significantly higher flow rates while drastically reducing cleaning frequency. Built with a robust polyamide body, the series offers unmatched corrosion resistance in its screen models (DE/DSE), which feature high-quality AISI 304 stainless steel cartridges. This guarantees years of trouble-free performance, delivering superior reliability for your most demanding applications.





BEYOND Filtration BEYOND LIMITS

GENERAL **SPECIFICATION**

DD

- Body Material : PA6GFR30
- Cartridge Material : PP
- Maximum Working Pressure : 8 bar ; 116 Psi
- Maximum Working Temperature : 60 °C ; 140°F
- Filtration Sensitivity For (3"-4") : 20, 50, 100, 130, 200 µ (micron)
- Filtration Sensitivity For (6") : 130 µ (micron)

DE

- Body Material : PA6GFR30
- Cartridge Material : SS304L, PA6GFR30
- Maximum Working Pressure : 8 bar ; 116 Psi
- Maximum Working Temperature : 60 °C ; 140°F
- Filtration Sensitivity : 20-2000 µ (micron)

CLEANING PROCESS

The pressure differential is manually monitored via the inlet and outlet manometers. An increase in pressure indicates the need for cleaning. To begin, shut off the water supply and depressurize the system. Then, remove the cover and extract the filter cartridge.

The cleaning method depends on the filter type. A screen filter element is cleaned directly with pressurized water. For a disc filter, the cartridge's retaining screw must be loosened to separate the discs for a thorough cleaning with pressurized water. After cleaning, the filter is reassembled and ready for service.

WORKING PRINCIPLE

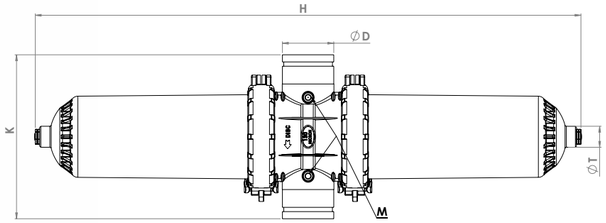
Water enters the filter and passes through the filtration element (either a fine screen or a set of discs). During operation, contaminants gradually accumulate on the surface of this element—the inner surface for screens or the outer surface for discs. This buildup obstructs the water flow, creating a pressure differential between the filter's inlet and outlet. Manual cleaning is required when this pressure differential reaches 0.7 bar.

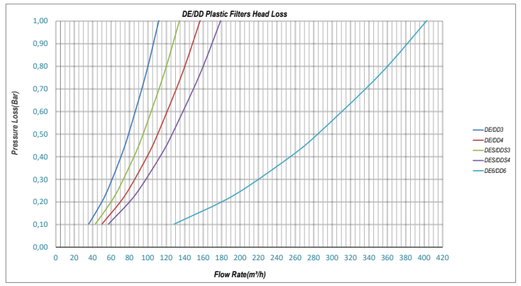
DD - Technical Specifications

CODE	D		M	T	DI	H	K	Flow Rate		Filtration Area	Weight
	Inch	DN	Inch	Inch	mm	mm	mm	m³/h	GPM(US)	cm²	kg
DD3	3	80	1/4	3/4	190	977	365	50	220	2604	11,4
DD4	4	100	1/4	3/4	190	977	365	70	308	2604	11,6
DDS3	3	80	1/4	3/4	190	1216	365	60	264	3610	13,6
DDS4	4	100	1/4	3/4	190	1216	365	80	352	3610	13,8
DD6	6	150	1/4	2	242	1658	462	180	792	6212	28

DE - Technical Specifications

CODE	D		M	T	DI	H	K	Flow Rate		Filtration Area	Weight
	Inch	DN	Inch	Inch	mm	mm	mm	m³/h	GPM(US)	cm²	kg
DE3	3	80	1/4	3/4	190	977	365	50	220	2280	8,4
DE4	4	100	1/4	3/4	190	977	365	70	308	2280	8,6
DES3	3	80	1/4	3/4	190	1216	365	60	264	3040	9,8
DES4	4	100	1/4	3/4	190	1216	365	80	352	3040	10
DE6	6	150	1/4	2	242	1658	462	180	792	5532	21





SS304L Stainless Steel Clamp



Plastic Clamp



Connection Type:
Victaulic/Threaded/Flanged

