Manual Plastic
Single Filters

PD & PE

PLASTIC **FILTERS**



Engineered for Lasting Durability

Aytok PD/PE manual filters are built to withstand the elements. Featuring a robust polyamide body, these filters use high-quality materials for all critical components, including a corrosion-resistant AISI 304 stainless steel cartridge in the screen models. This smart and versatile design guarantees years of trouble-free performance, delivering reliability you can count on.



BEYOND Filtration BEYOND LIMITS

GENERAL **SPECIFICATION**

PD

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

PE

- 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

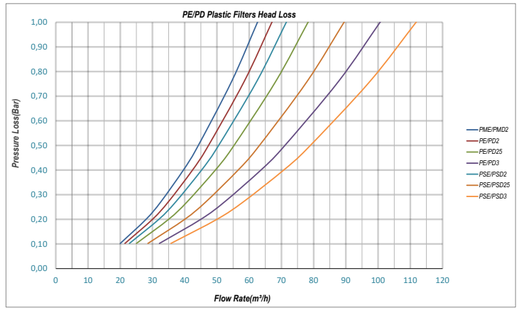
Water enters the filter and passes through the filtration element (either a fine screen or a set of discs). During operation, contaminants gradually accumulate on the surface of this element—the inner surface for screens or the outer surface for discs. This buildup obstructs the water flow, creating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

PD - 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
PMD2	2	50	1/4	3/4	190	530	335	28	123,2	868	6
PD2	2	50	1/4	3/4	190	650	335	30	132	1302	7
PD25	2 1/2	65	1/4	3/4	190	650	335	35	154	1302	7,1
PD3	3	80	1/4	3/4	190	650	335	45	198	1302	7,2
PSD2	2	50	1/4	3/4	190	765	335	35	154	1805	8
PSD25	2 1/2	65	1/4	3/4	190	765	335	40	176	1805	8,1
PSD3	3	80	1/4	3/4	190	765	335	50	220	1805	8,2

PE - 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
PME2	2	50	1/4	3/4	190	530	335	28	123,2	760	5,2
PE2	2	50	1/4	3/4	190	650	335	30	132	1140	5,4
PE25	2 1/2	65	1/4	3/4	190	650	335	35	154	1140	5,5
PE3	3	80	1/4	3/4	190	650	335	45	198	1140	5,6
PSE2	2	50	1/4	3/4	190	765	335	35	154	1520	6,3
PSE25	2 1/2	65	1/4	3/4	190	765	335	40	176	1520	6,4
PSE3	3	80	1/4	3/4	190	765	335	50	220	1520	6,5



SS304L Stainless Steel Clamp



Plastic Clamp



Connection Type:
Victaulic/Threaded/Optionally 3" Flanged

