Mini **Filters**

MPE & MPD

PLASTIC **FILTERS**



Maximum Performance.
Minimal Space.

Designed for efficiency in tight spaces, Aytok MPD-MPE filters provide a robust and versatile solution for low-flow water systems. They are perfectly suited for applications like garden irrigation, fertigation, and protecting small-scale cooling equipment.

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MPD DISC



MPE SCREEN





MPE-MPD

BEYOND Filtration BEYOND LIMITS

GENERAL **SPECIFICATION**

MPD

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

MPE

- Body Material : PP
- Cartridge Material : SS304L, PP
- Maximum Working Pressure : 8 bar ; 116 Psi
- Maximum Working Temperature : 60 °C ; 140°F
- Filtration Sensitivity : 80, 100, 130, 200 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.

MPD - Technical Specifications

CODE	D		M	T	D1	H	K	Flow Rate		Filtration Area	Weight
	Inch	DN	Inch	Inch	mm	mm	mm	m³/h	GPM(US)	cm²	kg
MNPD34	3/4	20	-	3/4	68	190	160	5	22	185	0,45
MNPD10	1	25	-	3/4	68	190	160	6	26,4	185	0,45
MDPD10	1	25	-	3/4	96	230	220	10	44	325	1
MDPD14	1 1/4	32	-	3/4	96	230	220	13	66	325	1
MDPD15	1 1/2	40	-	3/4	96	230	220	15	66	325	1
MXPD15	1 1/2	40	1/4	3/4	120	280	270	20	88	550	1,5
MXPD20	2	50	1/4	3/4	120	280	270	25	110	550	1,5

MPE - Technical Specifications

CODE	D		M	T	D1	H	K	Flow Rate		Filtration Area	Weight
	Inch	DN	Inch	Inch	mm	mm	mm	m³/h	GPM(US)	cm²	kg
MNPE34	3/4	20	-	3/4	68	190	160	5	22	165	0,3
MNPE10	1	25	-	3/4	68	190	160	6	26,4	165	0,3
MDPE10	1	25	-	3/4	96	230	220	10	44	300	0,75
MDPE14	1 1/4	32	-	3/4	96	230	220	13	66	300	0,75
MDPE15	1 1/2	40	-	3/4	96	230	220	15	66	300	0,75
MXPE15	1 1/2	40	1/4	3/4	120	280	270	20	88	515	1,2
MXPE20	2	50	1/4	3/4	120	280	270	25	110	515	1,2



