

TOP MOUNT DEEP BED MEDIA FILTERS

MICRON W & WD FILTERS





BENEFITS OF FIBERGLASS FILTER



Fire Resistant



Longevity



Corrosion Resistant



Able to Handle Stress



Minimum Maintenance



Non-Conductive



Weather Proof



UV Resistant



Light Weight & Easy to Handle

HALAL CERTIFIED FILTRATION SYSTEM

Waterco FRP filter is a high-quality water filtration system that has received a Halal certificate, ensuring that the manufacturing process and materials used are in compliance with Islamic dietary laws. The company has gone through rigorous audits and inspections to ensure that their facilities meet the strict standards required for certification.

Additionally, the filter media used in the Waterco FRP filter has also been certified as Halal, giving consumers peace of mind that their water is being filtered through materials that are free from any non-Halal substances. With this certification, Waterco FRP filter is a reliable and trustworthy choice for those who prioritize Halal products in their daily lives.

FILTER FEATURES

Proven Durability

Waterco Micron filters are known throughout the industry for their impressive performance and reliability.

Manufactured from the highest grade of non corrosive materials and employing the latest in fibreglass winding technology, Micron filters are built for many years of trouble free operation.

Technologically Advanced

Micron filters consist of a blow moulded inner shell of fibreglass reinforced polyester resin strengthened with multiple layers of continuous strands of fibreglass filament.

Micron filters are wound with precision by Waterco's digital filament winding machines, for refined consistency and superior quality.

Easy Maintenance

Cleansing the filter simply requires shifting the Multiport Valve lever from the "filter" position to the "backwash" position, which reverses the flow of water in the filter, flushing out the trapped dirt from filter bed.

Pressure gauge

7 bar 40mm & 50mm Multiport Valve with sight glass and half unions

Automatic Air release

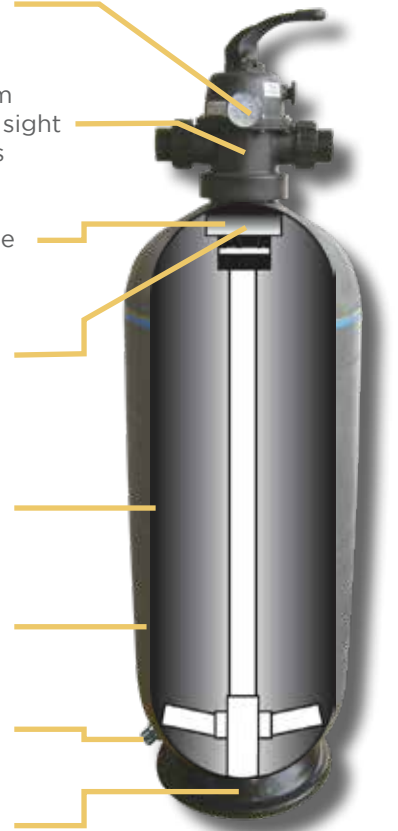
Integral diffuser for even distribution of water over the filter bed.

UV and Corrosion Resistant

Fibreglass wound tank

Drain Plug

Stable filter base



FILTER MEDIA OPTIONS

Anthracite-Pure

- Light and tough media
- Minimize clogging in subsequent layer
- Easy backwashing filter media



ZeoPlus

- Ammonia & "chlorine" odour removal
- High clarity water production
- Enhanced physical filtration



Graded River Silica Sand

- Physical filtration
- Sediment and suspended solids filtration



Glass Pearl

- Superior clarity
- 3 micron filtration
- 20% less backwash water



GAC-Plus

- Taste and odour removal
- Partial removal of chlorine
- Easy backwashing filter media



DMI-Plus

- Infusion technology catalytic media
- Iron-Manganese removal
- Arsenic removal



Graded Gravel

- Lower bed supporting media
- Increase backwash efficiency





MICRON TOP MOUNT FILTERS

W & WD FILTERS

General Information

Pressure Rating | 7.0 Bar

Max. Temperature | 50°C

Connection | Union

Feature | Suitable for Point of Entry (PoE)

Bed Depth

W Series | 600mm

W900 & W1050 | 800mm

WD Series | 1000mm

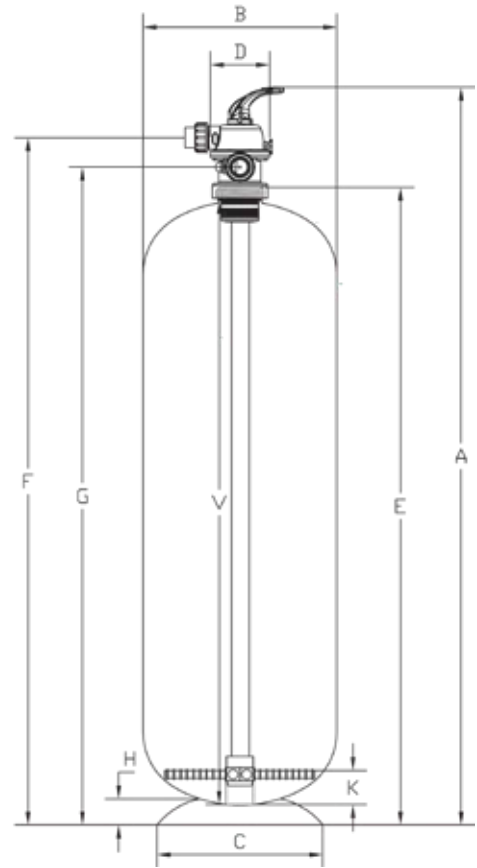
Filter Model	Standard Filtration Flow Rates		Standard Backwash Flow Rates		Media Volume	Filter Weight
	m ³ /hr	lpm	m ³ /hr	lpm	L	kg
W250	1.8	30	2.0	33	30	13
W300	2.5	42	2.8	47	41	16
W400	4.7	78	5.2	87	67	18
W500	7.2	120	8.0	133	105	21
W600	10.1	168	11.2	187	149	34
W700	13.7	228	15.2	253	204	40
W900	22.9	382	25.4	424	384	165
W1050	31.2	520	34.6	577	552	225

Filter Model	Standard Filtration Flow Rates		Standard Backwash Flow Rates		Media Volume	Filter Weight
	m ³ /hr	lpm	m ³ /hr	lpm	L	kg
WD300	2.5	42	2.8	47	70	21
WD400	4.7	78	5.2	87	110	26
WD500	7.2	120	8.0	133	169	33
WD600	10.1	168	11.2	187	245	49
WD700	13.7	228	15.2	253	335	51

MICRON TOP MOUNT FILTERS

DIAMETER & AREA

Model		Inner Diameter	Filter Area
W	WD	mm	m ²
250	-	250	0.05
300	300	300	0.07
400	400	400	0.13
500	500	500	0.20
600	600	600	0.28
700	700	700	0.38
900	-	900	0.64
1050	-	1050	0.87



DIMENSIONS

Filter Model	Port Size	A	B	C	D	E	F	G	H	V	K
W250	40	1385	268	304	160	1119	1252	1172	162	955	180
W300	40	1366	322	3346	160	1100	1233	1153	175	955	180
W400	40	1377	416	355	160	1110	1242	1163	63	995	76
W500	40	1415	518	443	160	1148	1280	1201	69	1014	76
W600	40	1402	620	540	160	1135	1267	1188	88	992	76
W700	40	1407	720	540	160	1140	1272	1193	88	1015	86
W900	50	1800	937	735	207	1477	1655	1555	151	1377	128
W1050	50	1830	1085	1045	207	1507	1685	1585	1170	1392	160

Filter Model	Port Size	A	B	C	D	E	F	G	H	V	K
WD300	40	1977	315	301	160	1710	1841	1762	75	1590	180
WD400	40	1987	416	356	160	1720	1851	1772	63	1595	76
WD500	40	2009	518	443	160	1745	1873	1794	69	1600	76
WD600	40	1997	620	540	160	1730	1861	1782	88	1582	76
WD700	40	2002	720	540	160	1735	1866	1787	88	1622	86

MEDIA WEIGHT FOR DIFFERENT MODEL



Graded River Sand
 Packing Size | 50kg
 Bulk Density | 1.46kg/L
 Media Size | 0.6 - 1.2 mm

Basic Model | W & WD

Filter model	Sand kg
W400	115
W500	180
W600	256
W700	350
W900	660
W1050	948
WD300	126
WD400	188
WD500	291
WD600	420
WD700	575



ZeoPlus
 Packing Size | 25 kg
 Bulk Density | 1.20 kg/L
 Media Size | 0.6 - 1.2 mm

Micron Pro | MP & MPD

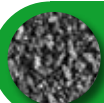
Filter model	ZeoPlus kg
W250	36
W300	50
MP400	81
MP500	127
MP600	180
MP700	247
MP900	465
MP1050	667
MPD300	88
MPD400	133
MPD500	205
MPD600	295
MPD700	405



Glass Pearl
 Packing Size | 20 kg
 Bulk Density | 1.61 kg/L
 Media Size | 0.6 - 0.8 mm

AquaCrystal | AC & ACD


Filter model	Glass Pearl kg
AC250	48
AC300	66
AC400	108
AC500	168
AC600	239
AC700	328
AC900	619
AC1050	888
ACD300	118
ACD400	177
ACD500	272
ACD600	394
ACD700	539



GAC - Plus
 Packing Size | 25 kg
 Bulk Density | 0.46 kg/L
 Media Size | 0.4 - 1.7 mm

ChloFree | CF & CFD

Filter model	GAC-Plus kg
CF250	14
CF300	19
CF400	31
CF500	48
CF600	68
CF700	94
CF900	177
CF1050	254
CFD300	34
CFD400	50
CFD500	78
CFD600	113
CFD700	154



DMI-Plus
 Packing Size | 21 kg
 Bulk Density | 1.46 kg/L
 Media Size | 0.3 - 0.6 mm

Iron-X | IX & IXD

Filter model	Sand kg	DMI-Plus kg
IX250	9	35
IX300	12	48
IX400	20	78
IX500	31	122
IX600	43	174
IX700	60	238
IX900	112	449
IX1050	161	644
IXD300	21	85
IXD400	32	128
IXD500	49	198
IXD600	71	286
IXD700	98	391

MEDIA WEIGHT CALCULATION

(A) Filter Volume: 30L

(B) Media Density: 1.20 kg/L

$$\begin{aligned} \text{Media Weight} &= A \times B \\ &= 30L \times 1.20 \text{ kg/L} \\ &= 36 \text{ kg} \end{aligned}$$

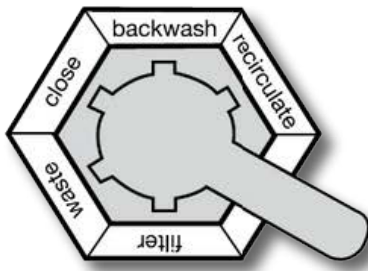
*For special/multi-media arrangement, please contact Waterco to find out more.

LINEAR VELOCITY GUIDELINES

Linear Velocity m ³ /hr/m ²	Recommendations
≤ 20	For specialized media that need to operate at a low velocity to achieve the desired outcome.
21 - 36	Standard velocity, lower velocity enhances filtrate performance.
37 - 40	Slightly higher velocity, increased agitation within the media bed, suitable for backwashing.
40 - 48	Very high velocity, approaching the maximum limit of a filter, lighter media may be flushed out.

*For specialized media and applications, please contact Waterco to find out more

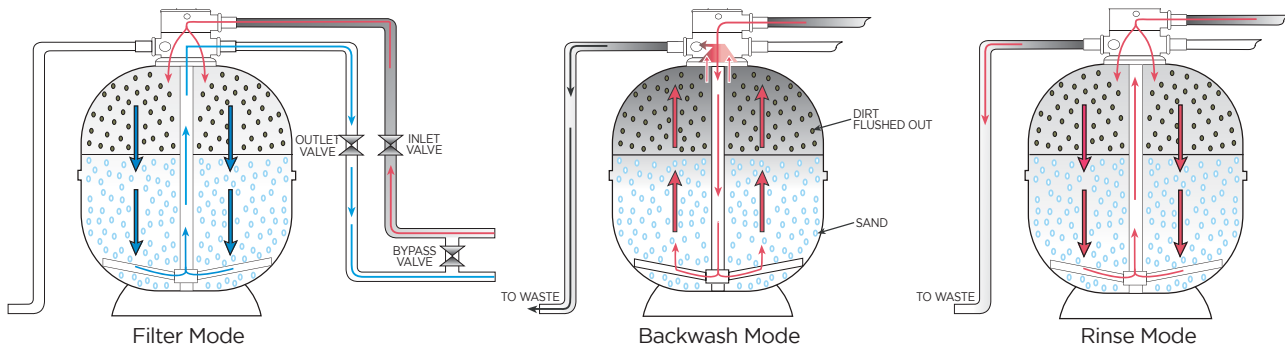
CLEAN THE FILTERS WITH EASE



MULTIPOINT VALVE MAIN FUNCTIONS

- Filter - Downward flow through the filter bed to outlet
- Backwash - Upward flow through the filter bed to waste
- Rinse - Downward flow through the filter bed to waste
- Waste - Bypass the filter bed to waste
- Re-circulate - Bypass the filter bed to outlet
- Closed - No flow to the filter

Cleansing a filter simply requires shifting the Multiport lever from the “filter” position to the “backwash” position, which reverses the flow of water in the filter, flushing the filter bed.

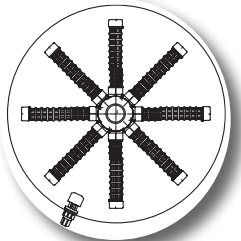


*Automated valve available, please contact Waterco to find out more.

LATERAL PIPE DESIGN

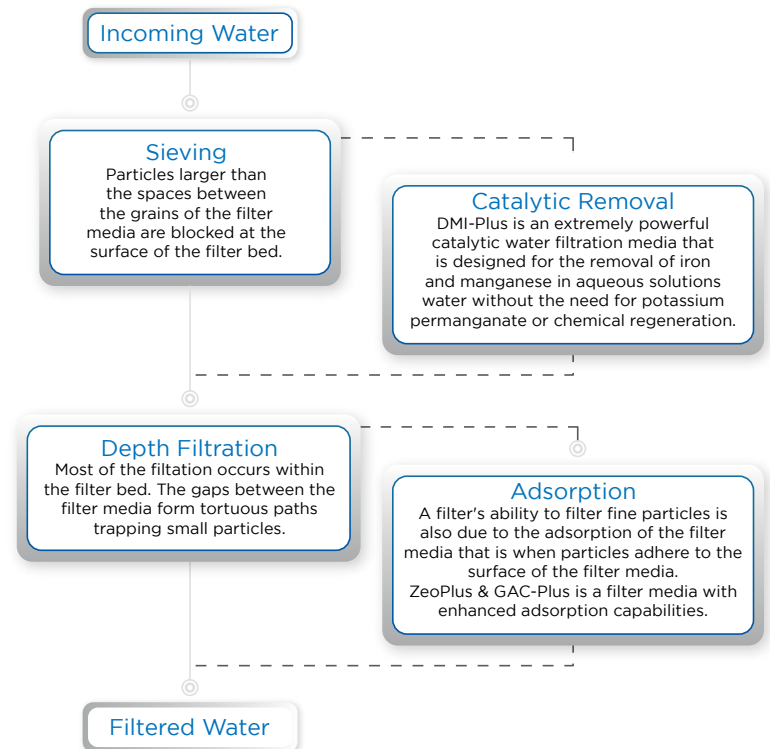


Fishtail lateral configuration in W & WD Series applies to models 900 and 1050



Star lateral configuration in W & WD Series applies to models 400 to 700

HOW FILTER WORKS



WARRANTY

Item	Domestic	Commercial
W250 / W300	5 + 5 years	2 years
Other W/WD	5 years	2 + 3 years

*Please refer to Waterco's warranty terms and conditions.

WATERCO

water, the liquid of life

Waterco pioneers reliable solutions for healthy, safe water environments, which are used in residential, commercial and industrial applications in over 40 countries.

Established in 1981, it has since become a global brand recognised for designing and manufacturing filtration and sanitisation innovations for the swimming pool, spa, aquaculture, and water purification sectors.



Industrial



Residential



Commercial

CONTACT WATERCO

Waterco's head office is situated in Sydney, Australia with international offices, manufacturing plants and warehouses located in Australia, New Zealand, Malaysia, Indonesia, Singapore, China, Vietnam, the US, Canada, and the UK.

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