



# AquaCrystal

Crystal Clarity Water

MICRON TOP MOUNT FILTERS WITH GLASS PEARLS

**WATERCO**

water, the liquid of life

[www.waterco.com](http://www.waterco.com)

## KEY BENEFITS

### Superior Purity

Experience unparalleled purity in every drop.

### Superior Depth Filtration

Achieve exceptional depth filtration for maximum water quality.

### 3 Micron Particle Size

Benefit from best-in-class filtration with a 0.003 micron filtrate size.

### Reduce Backwash Water Consumption

Minimize backwash consumption for sustainable filtration solutions.

## APPLICATIONS

- Residential Water Filtration
- Munciple Water Treatment
- Industrial Water Treatment
- Groundwater Remediation
- Aquarium Filtration
- Food and Beverage Processing
- Medical and Pharmaceutical Applications
- Point-of-Entry (POE) Water Treatment Systems
- Pre-Treatment in Reverse Osmosis Systems
- Water Dispensers and Coolers
- Refrigerator Water Filters
- Waste Water Treatment

## FILTER SPECIFICATION

### Pressure Rating

W & WD | 7.0 Bar

### Connection

Union

### Max. Temperature

50 °C

### Standard Filtration Linear Velocity

36m<sup>3</sup>/hr/m<sup>2</sup>

### Max. Backwash Linear Velocity

48m<sup>3</sup>/hr/m<sup>2</sup>

### Features

- Multiport Valve Operation
- Automated Valve Available (Up to maximum of 10m<sup>3</sup>/hr)
- Deep Bed Filtration
- Hydraulically balanced "Fish Tail" or "Fish Bone" laterals for filtration and backwashing efficiency

## TECHNICAL SPECIFICATION

ChloeFree Model	Filter Model	Measurements				Media		Flow Rate (m <sup>3</sup> /hr)	
		Inner Dia.	Port Size	Filter Area	Bed Depth	Volume	Weight	Standard Filtration	Standard Backwash
		mm	mm	m <sup>2</sup>	mm	L	kg		
AC250	W250	250	40	0.05	600	30	48	1.8	2.4
AC300	W300	300	40	0.07	600	41	66	2.5	3.4
AC400	W400	400	40	0.13	600	67	108	4.7	5.2
AC500	W500	500	40	0.2	600	105	169	7.2	8.0
AC600	W600	600	40	0.28	600	149	240	10.1	11.2
AC700	W700	700	40	0.38	600	204	328	13.7	15.2
AC900	W900	900	50	0.64	800	384	618	23.0	25.6
AC1050	W1050	1050	50	0.87	800	552	889	31.3	34.8
ACD300	WD300	300	40	0.07	1000	73	118	2.5	2.8
ACD400	WD400	400	40	0.13	1000	110	177	4.7	5.2
ACD500	WD500	500	40	0.2	1000	169	272	7.2	8.0
ACD600	WD600	600	40	0.28	1000	245	394	10.1	11.2
ACD700	WD700	700	40	0.38	1000	335	539	13.7	15.2

### Recommendations:

- ≤ 20 m<sup>3</sup>/hr/m<sup>2</sup> | Low velocity, filter could be oversized.
- 21 - 36 m<sup>3</sup>/hr/m<sup>2</sup> | Standard velocity, lower velocity enhances filtrate performance.
- 37 - 40 m<sup>3</sup>/hr/m<sup>2</sup> | Slightly higher velocity, increased agitation within the media bed, suitable for backwashing.
- 41 - 48 m<sup>3</sup>/hr/m<sup>2</sup> | Very high velocity, approaching the maximum limit of a filter, media may be flushed out.

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