

# AquaCrystal

Crystal Clarity Water

**Benefits:**

- Superior purity
- Superior depth filtration
- Filtrate down to 3 micron
- Reduce backwash water consumption

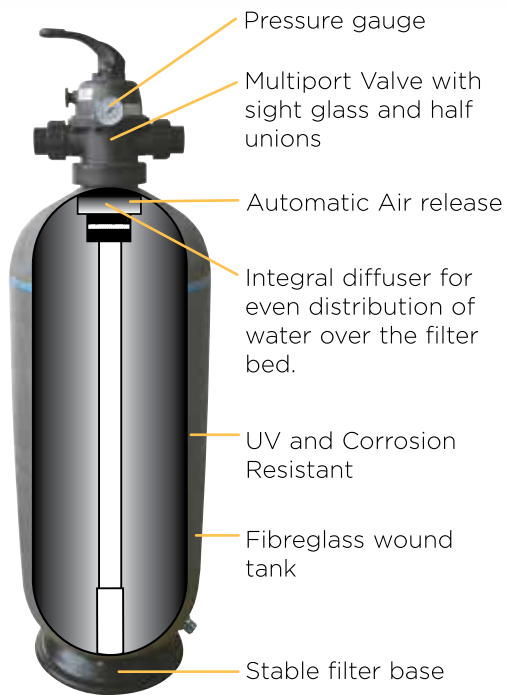


 **enviropo**  
SAVE TIME, WATER AND ENERGY



## Deep Bed for Superior Filtration

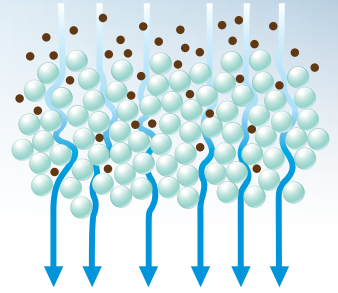
W & WD filters are designed with filter depths of 600mm and 1000mm respectively, providing enhanced in depth filtration and increased dirt retention capacity. When dirt is driven through the filter bed, Glass Pearls with its spherical media size between 0.6mm - 0.8mm, traps particles in extremely narrow geometrical spaces, capable of filtering down to 3microns.



Maximum working temperature of 50° C

## Safe and Save

Glass Pearls are manufactured from 100% pure glass and are chemically inert. Its spherical size with no sharp edges, making them really safe to use. The superior purity greatly reduces its initial and long term operational backwash duration which enables easy filter start up, as well time and water savings.



## Glass Pearl Technical Specification

Property	Specification
Nominal Product Size	0.61 mm
Uniformity Coefficient	1.21
Hardness (Moh Scale)	7.00
Particle Specific Gravity	2.2/2.3
Bulk Density	Around 1610kg / m <sup>3</sup>

## Glass Pearl Chemical Compositions

Property	Specification
Silicon Dioxide (SiO <sub>2</sub> )	70.00 - 75.00%
Sodium Oxide (Na <sub>2</sub> O)	12.00 - 15.00%
Calcium Oxide (CaO)	7.00 - 12.00%
Magnesium Oxide (MgO)	Approx. 5.00%
Aluminium Oxide (AL <sub>2</sub> O <sub>3</sub> )	Approx. 2.50%
Potassium Oxide (K <sub>2</sub> O)	Approx. 1.50%

## Technical Specification

Model	Filter	Valve Size	Inner Dia.	Filter Area	Bed Depth	Filtration Flow rate				Media Volume	Glass Pearl 0.6 - 0.8mm
						20m <sup>3</sup> /hr/m <sup>2</sup>		36m <sup>3</sup> /hr/m <sup>2</sup>			
						(mm)	(mm)	(lpm)	(m <sup>3</sup> /hr)		
AC250	W250	40	250	0.05	600	17	1.0	30	1.8	41	66
AC300	W300	40	300	0.07	600	23	1.4	42	2.52	58	93
AC400	W400	40	400	0.13	600	43	2.6	78	4.7	79	127
AC500	W500	40	500	0.20	600	67	4.0	120	7.2	123	198
AC600	W600	40	600	0.28	600	93	5.6	168	10.1	175	282
AC700	W700	40	700	0.38	600	127	7.6	228	13.7	240	386
ACD300	WD300	40	300	0.07	1000	23	1.4	42	2.5	86	138
ACD400	WD400	40	400	0.13	1000	43	2.6	78	4.7	129	208
ACD500	WD500	40	500	0.20	1000	67	4.0	120	7.2	199	320
ACD600	WD600	40	600	0.28	1000	93	5.6	168	10.1	288	464
ACD700	WD700	40	700	0.38	1000	127	7.6	228	13.7	394	634
ACD900	WD900	50	900	0.64	1000	213	12.8	384	23.0	692	1114

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