



## Series EWS 2.0" H Duplex Commercial Activated Coconut Shell Carbon Filter

### STANDARD FEATURES

- ◆ 2" NPT inlet or outlet / 2 1/2" Victaulic lead free brass epoxy coated control valve.
- ◆ Electronic flow meters for each control valve accuracy plus or minus 5 percent, flow rate range 1.5 – 125 gpm, gallon range 10 – 999,000 and totalizer 1,000 – 999,999,000 gallons.
- ◆ Service flow rates to 125 gpm, peak flow rates to 150 gpm, backwash flow rates to 125 gpm.
- ◆ Fully programmable and adjustable 9 cycle control valve that control backwash, slow/fast rinse, 2nd backwash and service, up to 9 cycles.
- ◆ Progressive flow, parallel flow, alternating.
- ◆ System designs up to 4 vessels.
- ◆ Cycles of operation – Cycle One backwash 1 – 95 minutes or off, Cycle Two fast rinse 1 – 180 minutes or off, Cycle Three slow rinse 1 – 95 minutes or off, Cycle Four fast rinse 1 – 95 minutes or off, Cycle Five hold (service) 1 – 480 minutes or off, four additional cycles for additional backwash, slow rinse, fast rinse.
- ◆ Four methods to initiate regeneration, meter immediate, meter delayed, time clock delayed or pressure differential.
- ◆ 2" water distribution system utilizing hub and laterals for maximum flow rates.
- ◆ Operating pressure 20 – 125 psi / 138 – 861 kpa.
- ◆ Operating temperature 40°F - 110°F (5°C - 44°C).
- ◆ Solid state microprocessor c/w removal front panel, digital display for time of day, days until next regeneration, volume remaining, current flow rate and total volume used (totalizer). All 9 cycles are adjustable in second level diagnostics for desired flow rates in each cycle.
- ◆ Double backwash for optimum regeneration cleaning ability.
- ◆ 24 volt output AC transformer, 12 or 24 hour time clock.
- ◆ Duplex alternating motorized electronic control valve (2").
- ◆ 1 – 28 day override on control valve program.
- ◆ Optional 2" inlet and outlet motorized bypass valve.

## Excalibur Water EWS 2.0" H Duplex Commercial Activated Coconut Shell Carbon Filter - SPECIFICATIONS

Model	Filter Tank Dia. X Ht.	Pipe Size Inlet/Outlet	Approx. Space Required Ins - (mm)				Shipping Weight	Shipping Weight
	Inches (mm)	Inches (mm)	Height	Depth	Width Single   Duplex		Single Lbs (Kg.)	Duplex Lbs (Kg.)
EWS FD2HCS12	30 x 72 (762 x 1828)	2 x 2 (50 x 50)	90 (2286)	36 (914)	36 (914)	84 (2133)	800 (363)	1600 (727)
EWS FD2HCS18	36 x 72 (914 x 1828)	2 x 2 (50 x 50)	90 (2286)	42 (1066)	42 (1066)	96 (2438)	1232 (560)	2462 (1119)
EWS FD2HCS24	42 x 72 (1066 x 1828)	2 x 2 (50 x 50)	90 (2286)	48 (1219)	48 (1219)	108 (2743)	2098 (953)	4196 (1907)
EWS FD2HCS32	48 x 72 (1219 x 1828)	2 x 2 (50 x 50)	90 (2286)	54 (1371)	54 (1371)	120 (3048)	2540 (1154)	5080 (2309)

Model	Media Volume Per Vessel Cubic Ft (Cubic Meters)	Total Media Capacity Cubic Ft (Cubic Meters)	Dechlorination Per Vessel		Organics Absorption Per Vessel		BKW GPM (LPS)
			Continuous Flow Rate 15 Psi Pressure Drop (LPS)	Peak Flow Rate (LPS)	Continuous Flow Rate 15 Psi Pressure Drop (LPS)	Peak Flow Rate (LPS)	
EWS FD2HCS12	12 (.336)	24 (.67)	50 (3.15)	75 (4.73)	25 (1.58)	45 (2.84)	45 (2.84)
EWS FD2HCS18	18 (.50)	36 (1.00)	70 (4.42)	100 (6.30)	35 (2.21)	50 (3.15)	70 (4.42)
EWS FD2HCS24	24 (.67)	48 (1.34)	100 (6.30)	130 (8.20)	50 (3.15)	70 (4.42)	100 (6.30)
EWS FD2HCS32	32 (.89)	64 (1.79)	120 (7.57)	150 (9.46)	65 (4.10)	90 (5.68)	122 (7.70)

**EWS HR5** IS AN 12X40 MESH ACID WASHED GRANULAR ACTIVATED COCONUT SHELL CARBON IS DESIGNED FOR HIGH EFFICIENCY WATER PURIFICATION. THE ACTIVATED COCONUT SHELL CARBON IS MANUFACTURED BY HIGH TEMPERATURE STEAM ACTIVATION UNDER RIGIDLY CONTROLLED CONDITIONS. ADDITIONAL PROCESSING REDUCES ASH, FINES, AND DUST. THE COCONUT SHELL CARBON IS A DURABLE GRANULAR PRODUCT CAPABLE OF WITHSTANDING THE ABRASION AND DYNAMICS ASSOCIATED WITH REPEATED HYDRAULIC TRANSPORT, BACKWASHING AND MECHANICAL HANDLING. ACTIVATION IS CAREFULLY CONTROLLED TO PRODUCE EXCEPTIONALLY HIGH INTERNAL SURFACE AREA WITH OPTIMUM PORE SIZE FOR THE ADSORPTION OF A BROAD RANGE MOLECULAR WEIGHT ORGANIC CONTAMINANTS. THE PHYSICAL CHARACTERISTICS OF THIS COCONUT SHELL ACTIVATED CARBON, INCLUDING ITS HIGH MICROPOROSITY AND SUPERIOR HARDNESS, MAKES IT AN IDEAL CHOICE FOR CHEMICAL REDUCTION FILTRATION SYSTEMS. THIS COCONUT SHELL CARBON IS ESPECIALLY EFFECTIVE FOR ABSORBING TRACE ORGANIC COMPOUNDS SUCH AS THMs, PESTICIDES, VOLATILE CHEMICALS, CHLORINE AND DISINFECTION BYPRODUCTS. THE COCONUT SHELL CARBON HR5 IS CERTIFIED TO NSF STANDARD 61.

**Canada**

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