



Series EWS 1" Duplex Commercial Activated Coconut Shell Carbon Filter

STANDARD FEATURES

- ◆ 1" NPT inlet and outlet top mounted composite electronic control valve.
- ◆ Electronic flow meter with accuracy within plus or minus 5 percent, flow rate range 0.25 to 27 gpm. Gallons range 20 to 50,000 gallons 1000 to 9,999,000 totalizer.
- ◆ Service flow rate up to 27 gpm, peak flow rate up to 32 gpm, backwash flow rates up to 27 gpm.
- ◆ Fully adjustable 6 cycle controls backwash, slow/fast rinse and service. 2 additional cycles for backwash or rinse.
- ◆ Cycles of operation. Cycle One backwash 6-12 minutes or off, Cycle Two slow rinse 45-75 minutes or off, Cycle Three second backwash 3-12 minutes or off, Cycle Four fast rinse 3-8 minutes or off, Cycle Five service.
- ◆ Four methods to initiate regeneration, meter immediate, meter delayed, time clock delayed or pressure differential.
- ◆ 1" water distribution system utilizing single point distributor or hub and laterals for maximum flowrates.
- ◆ Operating pressure 20-125 psi / 138-861 kpa, operating temperature 40°F - 110°F (5°C - 44°C).
- ◆ Solid state microprocessor c/w display for time of day, days until next regeneration, volume remaining, current flow rate and total volume used (totalizer).
- ◆ Double backwash for optimum regeneration cleaning ability.
- ◆ 12 volt output AC transformer. 12 or 24 hour time clock.
- ◆ Duplex alternating motorized electronic control valve (1").
- ◆ 1 - 28 days override on control valve programming.
- ◆ 3/4 or 1" MPT drain line.

Excalibur Water EWS 1" 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 FD1CS3	14 x 65 (355 x 1651)	1 x 1 (25 x 25)	73 (1854)	20 (508)	26 (660)	52 (1320)	350 (159)	700 (318)
EWS FD1CS4	16 x 65 (406 x 1651)	1 x 1 (25 x 25)	73 (1854)	22 (558)	28 (711)	56 (1422)	425 (193)	850 (386)
EWS FD1CS5	21 x 62 (533 x 1574)	1 x 1 (25 x 25)	70 (1778)	27 (685)	33 (838)	66 (1676)	525 (238)	1050 (477)
EWS FD1CS6	21 x 62 (533 x 1574)	1 x 1 (25 x 25)	70 (1778)	27 (685)	33 (838)	66 (1676)	550 (250)	1100 (500)
EWS FD1CS7	21 x 62 (533 x 1574)	1 x 1 (25 x 25)	70 (1778)	27 (685)	33 (838)	66 (1676)	575 (261)	1150 (522)

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 FD1CS3	3 (.084)	6 (.168)	10 (.63)	14 (.88)	5 (.31)	8 (.50)	11 (0.69)
EWS FD1CS4	4 (.112)	8 (.224)	12 (.75)	16 (1.00)	8 (.50)	12 (.75)	13 (0.82)
EWS FD1CS5	5 (.14)	10 (.28)	15 (.94)	19 (1.19)	10 (.63)	14 (.88)	15 (0.94)
EWS FD1CS6	6 (.168)	12 (.336)	18 (1.13)	22 (1.38)	12 (.75)	16 (1.00)	17 (1.07)
EWS FD1CS7	7 (.196)	14 (.392)	21 (1.32)	25 (1.57)	16 (1.00)	21 (1.32)	20 (1.26)

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

• 220 Bayview Drive Unit 18, Barrie Ontario L4N 4Y8 •