



Series EWS 3.0" Duplex Commercial Activated Carbon Backwashable Filter

STANDARD FEATURES

- ◆ 3" NPT inlet and outlet lead free brass control valve, c/w Nema 3R enclosure is water resistant
- ◆ Electronic flow meters for each control valve, accuracy plus or minus 5 percent, flow rate 7 to 300 GPM
- ◆ Service flow rates to 250 GPM continuous (15 PSI Pressure Drop), peak flow rates to 325 GPM (25 PSI Pressure Drop)
- ◆ Fully adjustable 5 cycle control valve that controls upflow backwash, downflow brining, slow rinse, rapid rinse, and down flow service
- ◆ Progressive flow, parallel flow, alternating on demand treated water.
- ◆ Five methods to initiate regeneration: meter immediate, meter delayed, time clock delayed, pressure differential, or remote start
- ◆ 3" 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)
- ◆ System designs up to 4 vessels
- ◆ Electronic controller can network up to 4 vessels, field configurable for any flow meter, remote start, remote lockout, variable reserve, flow rate, peak flow rate, totalizer, hours between last two regenerations, hours since last regeneration, adjustable volume remaining, value position programming levels
- ◆ Time of day adjustment
- ◆ Quick programming - adjust hardness, regeneration, time and day override
- ◆ Master programming: configure value type, regeneration type, remote start/lock, US or European time/Volume display, system capacity safety factor, hardness, cycle stop times, flow meter size, auxiliary delay operation
- ◆ 24 volt output AC transformer, 7, 12 day clock or meter initiated
- ◆ Gravel under bedding for improved filtration during regeneration

Excalibur Water EWS 3" Duplex Commercial Activated Carbon Backwashable 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 FD3C18 | 36 x 72 (914 x 1828) | 3 x 3 (75 x 75) | 90 (2286) | 42 (1066) | 42 (1066) | 96 (2438) | 1232 (560) | 2462 (1119) |
| EWS FD3C24 | 42 x 72 (1066 x 1828) | 3 x 3 (75 x 75) | 90 (2286) | 48 (1219) | 48 (1219) | 108 (2743) | 2098 (953) | 4196 (1907) |
| EWS FD3C32 | 48 x 72 (1219 x 1828) | 3 x 3 (75 x 75) | 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 FD3C18 | 18 (.50) | 36 (1.00) | 185 (11.67) | 250 (15.77) | 125 (7.88) | 156 (9.84) | 70 (4.42) |
| EWS FD3C24 | 24 (.67) | 48 (1.34) | 200 (12.61) | 268 (16.90) | 134 (8.45) | 175 (11.04) | 85 (5.36) |
| EWS FD3C32 | 32 (.89) | 64 (1.79) | 213 (13.43) | 280 (17.66) | 140 (8.83) | 180 (11.36) | 100 (6.30) |

EWS GRANULAR ACTIVATED CARBON IS DESIGNED FOR REDUCTION OF TASTE, ODOURS, AND DISSOLVED ORGANIC CHEMICALS. EWS ACTIVATED CARBON IS MANUFACTURED FROM SELECT GRADES OF BITUMINOUS COAL TO PRODUCE A HIGH DENSITY, 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 OF HIGH AND LOW MOLECULAR WEIGHT ORGANIC CONTAMINANTS. TO OBTAIN MAXIMUM EFFICIENCY OF THE ACTIVATED CARBON IN THE ADSORPTION PROCESS, IT IS DESIRABLE TO HAVE THE GREATEST POSSIBLE SURFACE AREA IN THE SMALLEST PRACTICAL VOLUME. THIS IS NECESSARY BECAUSE THE RATE OF ADSORPTION IS PROPORTIONAL TO THE AMOUNT OF SURFACE AREA OF THE ADSORBING MEDIUM MEDIA. EWS HAS A SURFACE AREA OF 850 SQUARE METERS PER GRAM. THIS RESULTS IN HIGH EFFICIENCY AND GREATER SYSTEM ECONOMY. EWS ACTIVATED CARBON REQUIRES PERIODIC BACKWASHING TO ELIMINATE ACCUMULATED SUSPENDED MATTER AND TO RE- GRADE THE FILTER BED. EWS ACTIVATED CARBON HAS AN EXTREMELY HIGH CAPACITY BUT MUST BE REPLACED WHEN THE FILTER BED LOSES THE CAPACITY FOR REDUCTION OF TASTE, ODOUR AND ORGANICS.

Canada

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