FBW "ML" SERIES MULTI-LAYER
COMMERCIAL / INDUSTRIAL Backwashing Filters

Picture shown with optional jack legs

SYSTEM SPECIFICATIONS:

Flow Rate:	*** 13 – 4,021 gpm (49-15,221 lpm)**
Regeneration:	*** Time Clock (Std.) or Pressure Differential**
Pipe Size:	**2 inch NPT**
Pressure:	**120 psi Max. (830 kPa)**
Vacuum:	**None**
Temperature:	**40 – 100F (4 – 40C)**
Electrical:	*** 120V/60HZ (Std.), or 220V/50HZ**

STANDARD FEATURES:

- Multi-port stager operated diaphragm valves, automatic bypass, 5-cycle fully programmable 12 day timer with manual initiation capability
- Multiple, heavy duty composite, or epoxy lined steel mineral tank*; resistant to rust and corrosion
- Filtered water backwash prevents bleed-through during or after regeneration, provides 24 hour treated water and improves media bed capacity
- Wide selection of high quality filter media
- Complete installation and operating documentation provided with system
- Toll-free technical support by telephone (within US) or by e-mail
- 3 Year Limited Warranty
- Manufacturer of water treatment equipment for more than 70 years
- Sales offices located worldwide

OPTIONS:

☐ **Pressure Differential Initiation**
Consult factory for details (-PD suffix)

☐ **220V/50HZ** **(check only one)**
- ☐ European two prong power cord (-EUR)
- ☐ Australian power cord (-AUS)

BSP pipe connections Std. for –EUR and –AUS configurations

☐ **Electronic Control**

☐ **Batch Regeneration** (Greensand Filters Only)
Continuous Feed Standard (Consult Factory)

☐ **Filter Media** **(check only one)**
- ☐ **Activated Carbon ("A" suffix)**
  De-chlorination; Taste & Odor; Reduction of Organic Compounds; Sediment; **40+ µ
- ☐ **Filter Sand ("S" suffix)**
  Turbidity Reduction; Sediment; **20-30 µ
- ☐ **Multi-Layer ("ML" suffix)**
  Graded Density Sediment / Turbidity Reduction; **10-20 µ; Better Bed Loading
- ☐ **Greensand ("G" suffix)**
  Iron Reduction; requires Potassium Permanganate as regenerant by batch or continuous feed method
- ☐ **Neutralizer ("N" suffix)**
  Raises pH of acid water; reduces acidic corrosion; will probably cause water hardness to increase
- ☐ **Filter Ag ("F" suffix)**
  Sediment Reduction; **20-40 µ

* Dependant upon system configuration selected ** Nominal Micron ratings for relative comparison of media SP01010CU-FBWML-06012003.DOC

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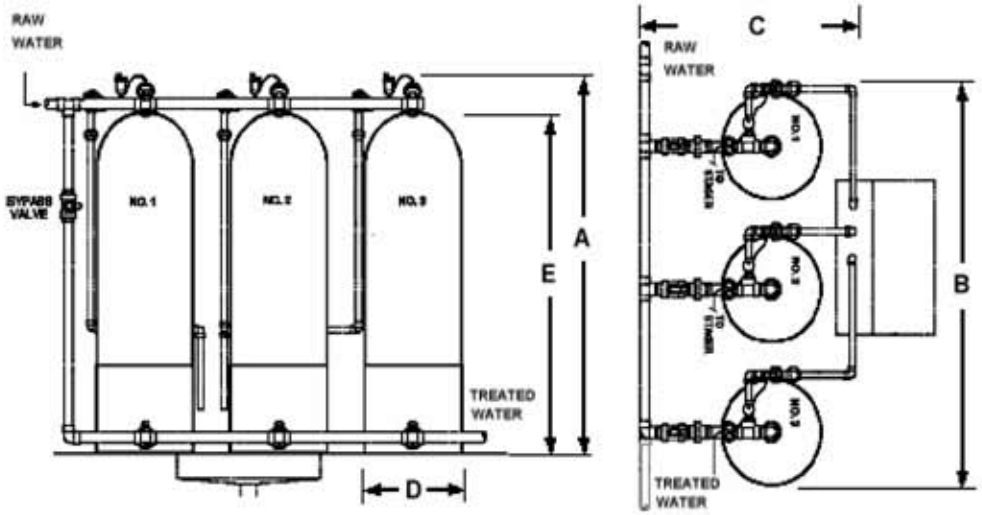

A – Overall system height
(Including all tanks if multi-tank)

B – Overall system width
(Including all tanks if multi-tank)

C – Overall system depth
(Including all tanks if multi-tank)

D – Media tank diameter

E – Media tank height

NOTE: All measurements in inches
1 in. = 2.54 cm

Model	Volume Cu. Ft. (Liters)	Flow Rates GPM (LPM)				Overall Dim.'s AxBxC	Media Tank Size DxE	Approx Ship Wt Lbs (Kg)
		[1] Peak (@15psi drop)	Service (Maximum flow for media)	Continuous (Recommended flow for media)	Back Wash			
Three Media Tank Systems								
FBW316ML	9 (255)	468 (1,772)	67 (254)	42 (159)	10 (38)	80x68x43	16x65	1,454 (660)
FBW321ML	17 (481)	510 (1,931)	115 (435)	72 (273)	25 (95)	77x83x45	21x62	2,392 (1,085)
FBW324ML	20 (566)	516 (1,953)	151 (572)	94 (356)	30 (114)	87x92x47	24x71	2,956 (1,341)
FBW330ML	32 (906)	552 (2,090)	236 (893)	147 (556)	40 (151)	91x110x67	30x60	5,433 (2,464)
FBW336ML	54 (1,529)	558 (2,112)	339 (1,283)	212 (803)	70 (265)	95x128x73	36x60	8,440 (3,828)
FBW348ML	96 (2,718)	1,245 (4,713)	603 (2,283)	377 (1,427)	125 (473)	107x164x88	48x60	16,214 (7,355)
FBW360ML	162 (4,587)	1,269 (4,804)	942 (3,566)	589 (2,230)	190 (719)	115x200x103	60x60	25,352 (11,499)
FBW372ML	234 (6,626)	2,574 (9,744)	1,357 (5,137)	848 (3,210)	275 (1,041)	118x236x115	72x60	37,562 (17,038)
FBW384ML	318 (9,005)	2,616 (9,903)	1,847 (6,992)	1,155 (4,372)	350 (1,325)	126x272x138	84x60	54,108 (24,543)
FBW396ML	414 (11,723)	2,640 (9,993)	2,413 (9,134)	1,508 (5,708)	396 (1,499)	130x308x153	96x60	70,264 (31,871)
Four Media Tank Systems								
FBW416ML	12 (340)	624 (2,362)	89 (337)	56 (212)	10 (38)	80x68x43	16x65	1,966 (892)
FBW421ML	22 (623)	680 (2,574)	154 (583)	96 (363)	25 (95)	77x83x45	21x62	3,186 (1,445)
FBW424ML	26 (736)	688 (2,604)	201 (761)	126 (477)	30 (114)	87x92x47	24x71	3,938 (1,786)
FBW430ML	42 (1,189)	736 (2,786)	314 (1,189)	196 (742)	40 (151)	91x110x67	30x60	7,240 (3,284)
FBW436ML	72 (2,039)	744 (2,816)	452 (1,711)	283 (1,071)	70 (265)	95x128x73	36x60	11,250 (5,103)
FBW448ML	128 (3,625)	1,660 (6,284)	804 (3,043)	503 (1,904)	125 (473)	107x164x88	48x60	21,615 (9,804)
FBW460ML	216 (6,116)	1,692 (6,405)	1,257 (4,758)	785 (2,972)	190 (719)	115x200x103	60x60	33,800 (15,331)
FBW472ML	312 (8,834)	3,432 (12,992)	1,810 (6,852)	1,131 (4,281)	275 (1,041)	118x236x115	72x60	50,080 (22,716)
FBW484ML	424 (12,006)	3,488 (13,204)	2,463 (9,323)	1,539 (5,826)	350 (1,325)	126x272x138	84x60	72,141 (32,723)
FBW496ML	552 (15,631)	3,520 (13,325)	3,217 (12,178)	2,011 (7,612)	396 (1,499)	130x308x153	96x60	93,682 (42,493)
Five Media Tank Systems								
FBW516ML	15 (425)	780 (2,953)	112 (424)	70 (265)	10 (38)	80x68x43	16x65	2,418 (1,097)
FBW521ML	28 (793)	850 (3,218)	192 (727)	120 (454)	25 (95)	77x83x45	21x62	3,981 (1,806)
FBW524ML	33 (934)	860 (3,255)	251 (950)	157 (594)	30 (114)	87x92x47	24x71	4,921 (2,232)
FBW530ML	53 (1,501)	920 (3,483)	393 (1,488)	245 (927)	40 (151)	91x110x67	30x60	9,049 (4,105)
FBW536ML	90 (2,549)	930 (3,520)	565 (2,139)	353 (1,336)	70 (265)	95x128x73	36x60	14,060 (6,378)
FBW548ML	160 (4,531)	2,075 (7,855)	1,005 (3,804)	628 (2,377)	125 (473)	107x164x88	48x60	27,017 (12,255)
FBW560ML	270 (7,646)	2,115 (8,006)	1,571 (5,947)	982 (3,717)	190 (719)	115x200x103	60x60	42,248 (19,163)
FBW572ML	390 (11,044)	4,290 (16,239)	2,262 (8,563)	1,414 (5,353)	275 (1,041)	118x236x115	72x60	62,598 (28,394)
FBW584ML	530 (15,008)	4,360 (16,504)	3,079 (11,655)	1,924 (7,283)	350 (1,325)	126x272x138	84x60	90,175 (40,903)
FBW596ML	690 (19,539)	4,400 (16,656)	4,021 (15,221)	2,513 (9,513)	396 (1,499)	130x308x153	96x60	117,101 (53,116)

[1] Peak Flow Rate only indicates the maximum flow through the system at 15 psi drop. These systems are not intended to treat water at Peak Flow Rate.