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Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.



SECTION: C3.10.167

CL0166

0222

Supersedes

0720

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## Fusion® Series Treatment System

### Models ZFL-2800 & ZFL-4000

#### INSTALLATION AND START-UP CHECK LIST

Owner Information	Installer Information
Owner's Name:	Name:
Address:	Address:
Installation Address (if different):	Lic. #:
Phone Number:	Phone Number:
Fax Number:	Fax Number:
Email Address:	Email Address:

#### General Information

Fusion® Model: <input type="checkbox"/> ZFL-2800 <input type="checkbox"/> ZFL-4000	Installation Date: _____ Startup Date: _____
Serial Number: _____	Septic Tank prior to Fusion®: <input type="checkbox"/> Yes <input type="checkbox"/> No Size: _____
Actual Number of Users: _____	Number of Bedrooms: _____
Type of Water Supply: <input type="checkbox"/> Municipal <input type="checkbox"/> Well <input type="checkbox"/> Cistern	Water Softener: <input type="checkbox"/> Yes <input type="checkbox"/> No Garbage Disposal: <input type="checkbox"/> Yes <input type="checkbox"/> No
Final Discharge: _____	System Type: <input type="checkbox"/> Repair <input type="checkbox"/> New Construction

#### I. Fusion® Layout

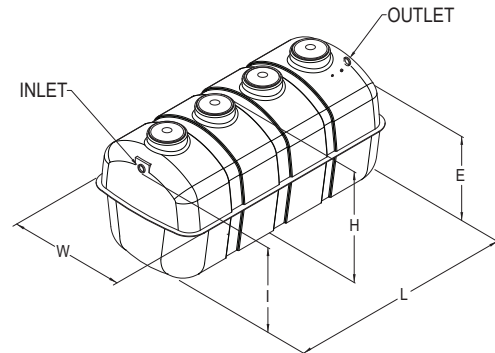
1. Fusion® laid-out to proper grades and depths? \_\_\_ Yes \_\_\_ No

#### II. Excavation

1. Size of Excavation L \_\_\_\_\_ W \_\_\_\_\_ H \_\_\_\_\_  
 (No more than 12" [30 cm] cover over Fusion®)

2. Rock/obstructions in excavation? \_\_\_ Yes \_\_\_ No

3. Water table present? \_\_\_ Yes \_\_\_ No  
 (Anti-flotation device required if yes)



SK2888

#### NOTES:

- Dimensions "I" and "E" are to the bottom of the inlet/outlet pipe.
- The overall height dimension "H" is to the top of the narrow adapter ring, not the riser lid.
- Riser kits are purchased separately.

#### FUSION® DIMENSIONS

SYSTEM	L	W	H	I	E
ZFL-2800	14' 8" (4.5 m)	7' 0" (2.1 m)	7' 10" (2.4 m)	6' 1" (1.9 m)	5' 7" (1.7 m)
ZFL-4000	15' 6" (4.7 m)	8' 0" (2.4 m)	8' 4" (2.5 m)	6' 7" (2.0 m)	6' 1" (1.9 m)

**iii. Fusion® installation**

- 1. Rock pad 6" (15 cm) deep? \_\_\_ Yes \_\_\_ no  
(1/4" [6 mm] - 1/2" [13 mm] diameter gravel)
- 2. Fusion® checked for damage? \_\_\_ Yes \_\_\_ no
- 3. Fusion® leveled? \_\_\_ Yes \_\_\_ no
- 4. Fusion® secured by anti-flotation device? \_\_\_ Yes \_\_\_ no  
(required in high water tables)
- 5. Fusion® filled with water? \_\_\_ Yes \_\_\_ no
- 6. Fusion® checked for leakage? \_\_\_ Yes \_\_\_ no
- 7. Risers secured and water-tight? \_\_\_ Yes \_\_\_ no

**iv. Control panel installation**

- 1. Installed properly? \_\_\_ Yes \_\_\_ no  
(check local requirements)
- 2. Blower wired properly? \_\_\_ Yes \_\_\_ no
- 3. Pressure sensor connections checked? \_\_\_ Yes \_\_\_ no
- 4. Alarm float wired properly? \_\_\_ Yes \_\_\_ no
- 5. Panel tested and operational? \_\_\_ Yes \_\_\_ no
- 6. Timer dial set to 36 hours? \_\_\_ Yes \_\_\_ no

**v. Blower installation**

- 1. Installed properly? \_\_\_ Yes \_\_\_ no
- 2. Accessible? \_\_\_ Yes \_\_\_ no
- 3. Well ventilated? \_\_\_ Yes \_\_\_ no
- 4. Protected from inundation/water \_\_\_ yes \_\_\_ no damage?
- 5. Diameter of air line? \_\_\_\_\_ In/mm
- 6. Length of air line? \_\_\_\_\_ Ft./M \_\_\_\_\_ in/mm
- 7. Airline connections checked? \_\_\_ Yes \_\_\_ no
- 8. Pressure sensor connections checked? \_\_\_ Yes \_\_\_ no
- 9. Blower tested and operational? \_\_\_ Yes \_\_\_ no

**vi. Fusion® backfilling**

- 1. Backfilled with proper material? \_\_\_ Yes \_\_\_ no
- 2. Backfill tamped around fusion®? \_\_\_ Yes \_\_\_ no
- 3. Final grade mounded around Fusion®? \_\_\_ Yes \_\_\_ no

**vii. Startup**

- 1. Blower settings:  
time of day set? \_\_\_ Yes \_\_\_ no  
backwash time set? \_\_\_ Yes \_\_\_ no  
backwash frequency per day:  1  2  
backwash duration:  5 min.  10 Min.
- 2. Recirculation flow rate:  
sec/l \_\_\_\_\_ valve position \_\_\_\_\_%
- 3. Backwash flow rate:  
sec/l \_\_\_\_\_ valve position \_\_\_\_\_%
- 4. Blower returned to auto-backwash? \_\_\_ Yes \_\_\_ no
- 5. Riser lids secured with screws? \_\_\_ Yes \_\_\_ no

Model	ZFL2800	ZFL4000
Recirculating flow rate (liter/min.)	9.7-15	14-21
Suggested Valve Opening	60-65%	50-55%

Model	ZFL2800	ZFL4000
Backwash flow rate (sec/liter)	50-70	63-89
Valve open (%)	60-70%	60-70%

**NOTES**

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