

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

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## Fusion® Series Treatment System

### 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

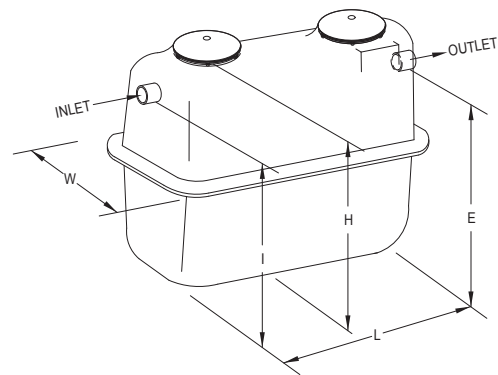
Fusion® Model: <input type="checkbox"/> ZF-450 <input type="checkbox"/> ZF-800 <input type="checkbox"/> Other Serial Number: _____	Installation Date: _____ Startup Date: _____ Septic Tank prior to Fusion® : <input type="checkbox"/> Yes <input type="checkbox"/> No Size: _____
Actual Number of Residents: _____	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 <input type="checkbox"/> Demo.

#### 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 36" cover over Fusion®)**
2. Rock/obstructions in excavation? \_\_\_ Yes \_\_\_ No
3. Water table present? \_\_\_ Yes \_\_\_ No  
 (Anti-flotation device required if yes)



**NOTES:**

- 1) DIMENSIONS "I" AND "E" ARE TO THE BOTTOM OF THE INLET/OUTLET PIPE.
- 2) THE OVERALL HEIGHT DIMENSION "H" IS TO THE TOP OF THE NARROW ADAPTER RING, NOT THE RISER LID.
- 3) A RISER COVER COMES STANDARD. ADDITIONAL RISERS ARE PURCHASED SEPERATELY.

#### Fusion® DIMENSIONS

SYSTEM	L	W	H	I	E
<b>Fusion® 450</b>	7'-1"	3'-8"	5'-2"	4'-4"	3'-10"
<b>Fusion® 800</b>	8'-3"	4'-8"	6'-2"	5'-4"	4'-10"

SK2624

**III. Fusion® Installation**

- 1. Rock Pad 4-6 Inches Deep?  Yes  No  
(1/4" - 1/2" 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. Alarm Panel Installation**

- 1. Installed Properly?  Yes  No  
(Check National Electrical Code and Local/State Codes)
- 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?  Yes  No
- 5. Diameter of Air Line? \_\_\_\_\_ Inches
- 6. Length of Air Line? \_\_\_\_\_ Ft. \_\_\_\_\_ Inches
- 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	ZF450	ZF800
Recirculating Flow Rate (sec/liter)	29 - 45	14 - 22
Suggested Valve Opening %	35 - 40	30 - 35

Model	Frequency	ZF450	ZF800
Backwash Flow Rate (sec/liter)	Twice/day	7 - 10	4 - 6
Valve Open (%)	Twice/day	50 - 55	40 - 45

**NOTES**

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