

## SPECIAL PRECAUTIONS

### 1. HIGH TEMPERATURE KITCHEN WATER

If there is water entering the interceptor at over 150°F, a drain water tempering valve and approved backflow prevention assembly must be installed. Generally, State and local plumbing codes prohibit water above 150°F from being discharged into the sewer.

### 2. HYDROSTATIC SLABS (OR PRESSURE SLABS)

Interceptor must be enclosed in a water concrete vault when installed under a hydrostatic slab (slab designed to withstand upward lift; typically caused by hydrostatic pressure).

Installation not applicable for SUPER2000

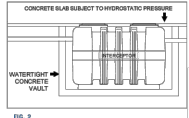


FIG. 2

### 3. MAXIMUM WATER LEVEL

The water level must not go above the height of Inlet/Outlet connection

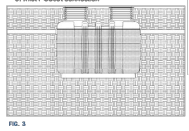


FIG. 3

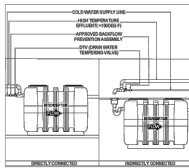


FIG. 1

### 4. HIGH WATER TABLE INSTALLATIONS

Interceptor and extension cannot withstand excessive water table height - see max water table height in Figure 3. If possible, interceptor and extension should be installed in a water-tight concrete vault or backfilled with concrete or flowable fill (pour wet concrete and flowable backfill in stages to avoid creating the interceptor). SUPERMAX models buried in high water table are required to be installed with an anchor kit. High Risk Areas: Floodplains, tidal surge and high storm-water areas.

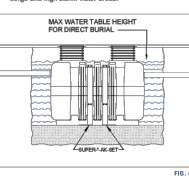


FIG. 4

## INSTALLATIONS

### BELOW GRADE/BACKFILL INSTALL:

1. Install the interceptor(s) as close as practical to the fixtures being served.
2. The excavation must be a minimum of 12" greater on all sides of the tank.
3. The depth of the excavation must be greater than 4" on the bottom of the interceptor.
4. Backfill while filling the interceptor with water at an equal rate until you reach the inlet/outlet. (Do not pack the backfill)
5. Fully install the double wall corrugated pipe and tie prior to backfilling.
6. Concrete or finishing materials requirements shall be determined by the specifying engineer.
7. Encase the interceptor in well graded ¾" rock, or sand. Do not compact backfill around Interceptor.
8. To prevent float out, the Anchor kit is recommended for installations in high water table conditions. This is to be determined by the specifying engineer.
9. Fill the Interceptor with 12" of water, then backfill 12" to match the water level. (Repeat operation until filled) Properly backfill per project specs. (Note: Do not compact backfill around unit)

### FINISHED CONCRETE SLAB

Slab must extend 18" minimum outside the footprint of the unit. Protection traffic areas: 4" thick reinforced concrete slab required. Minimum 6" thick concrete slab with rebar is required. Thickness of concrete around cover to be determined by specifying engineer. If traffic loading is required, the concrete slab dimensions shown are for guide purposes only. Concrete to be 28 day compressive strength to 4,000 PSI. Use #4 rebar (1/2") grade 60 steel per ASTM A635. Concrete to be placed and cured to a depth of 2-1/2" from edge of concrete and extend in a 2' grid with 4" spacing around access openings.

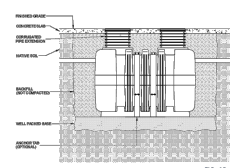


FIG. 5A

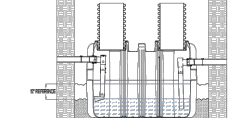


FIG. 5B

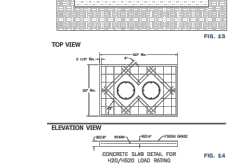


FIG. 5C

## SPECIAL PRECAUTIONS

### 5. INSTALLATION SUPPORT - ANCHOR KITS

Anchor kits are recommended for installation in high water table conditions to prevent floating. Necessity to be determined by Project Engineer. Hold down force is achieved by backfill weight acting on anchor plates. Bolt upper support brace together, then place over center channel. Bolt the anchor plate and upper support brace together using bolting hardware. Anchor plate may be bolted to concrete slab using provided holes.

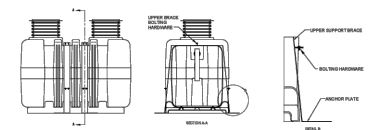


FIG. 6

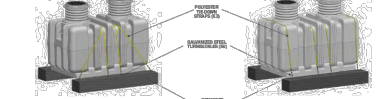


FIG. 7

**SUPER-ANK-BET-3 (SPECIFY SIZE)**  
The SUPER-ANK-BET-3 is used when greater hold down strength is required. The polyester tie-down straps are rated at 4,000 lbs. working load each and the turnbuckles are rated at 5,200 lbs. working load each.

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**DEADMAN DETAIL**

- 4,000 PSI CONCRETE
- REINFORCED WITH #4 REBAR
- GALVANIZED TIE-DOWN LOOPS

## INSTALLATIONS

### EXTENSION COLLAR INSTALLATION

1. Set the SUPER MAX unit height to grade by installing the 24" diameter corrugated pipe into the top opening of the back. Then insert the lid on top to measure and adjust the finished height from the top to grade. If less extension is needed, measure the required dimension and mark the extension. Then, cut to fit with a saw. The extension system is ADS pipe and is designed to be fitted out as needed. If a longer extension is required to fit into grade, use ADS pipe can be purchased and cut to length in order to equal grade (ADS pipe part #K24932).
2. Install the pipe between the extension collar. Then firmly press the 24" diameter pipe into the top opening of the back. The lid gasket will bottom out at the pipe stop. The gasket is designed to fit tightly around the extension collar. Pry the gasket into place with a pry tool can save time and make this process easier. Watch the installation video at [www.mifab.com/ADS-gasket](http://www.mifab.com/ADS-gasket).
3. Insert the extension collar and pipe gasket onto the opening of the SUPER MAX. Press firmly until the extension is seated inside the provided recessed channel. The SUPER MAX is designed to fit tightly around the extension collar. Pry the gasket into place with a pry tool can save time and make this process easier. Watch the installation video at [www.mifab.com/ADS-gasket](http://www.mifab.com/ADS-gasket).
4. Remove the cover from the lid assembly to see the pre-drilled screw holes. With the lid gasket with the self adhesive onto the exterior of the collar. Press lid assembly onto the top of the corrugated pipe. Connect the lid assembly onto the pipe with the 8 self tapping screws into the counterbore holes. Push the lid back onto the lid assembly collar.
5. When installing the collar on concrete walls, an 8 inch wide concrete ring beam with a 18" wide guard collar around it should be placed below the collar and bolted to the wall to make the surrounding compaction level and concrete.
6. When installing the collar in a masonry wall, the collar must be installed after the wall is poured. Prior completion to construction equipment around the collar must be avoided. A hole that is slightly larger than the collar should be treated before pouring the concrete. The extended hole can help ensure the installation quality and protect the usefulness of the installation.

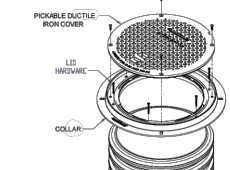


FIG. 8A

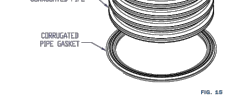


FIG. 8B

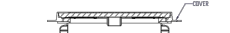


FIG. 8C

## APPLICATION SPECIFIC DETAILS

### INSIDE CORRODED CONCRETE UNIT

Installation not applicable for SUPER2000

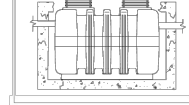


FIG. 9A



FIG. 9B



FIG. 9C



FIG. 9D



FIG. 9E



FIG. 9F



FIG. 9G



FIG. 9H



FIG. 9I

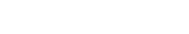


FIG. 9J



FIG. 9K



FIG. 9L



FIG. 9M

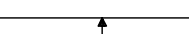


FIG. 9N

### RECESSED AND SUSPENDED

Installation not applicable for SUPER2000

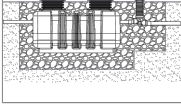


FIG. 10A



FIG. 10B



FIG. 10C



FIG. 10D



FIG. 10E



FIG. 10F



FIG. 10G



FIG. 10H



FIG. 10I



FIG. 10J



FIG. 10K



FIG. 10L



FIG. 10M



FIG. 10N

## SYSTEM SPECIFICATIONS

1. 4" No-hub inlet/outlet
2. Max flow rate: 100 gpm
3. Liquid Capacity: 1250 gal
4. Max grease capacity: 1815 lbs (Grease capacity based off PPS efficiency per Miami Dade FOG 2.0 requirement)
5. Ductile iron, pickable, H-20 load rated access cover
6. Maximum operating temperature: 150°F
7. Meets the PH of 3-10 per DERM Miami Dade

## NOTES

1. Each grease interceptor is certified and listed by IAPMO to ASME A112.14.3, P.D.I. G-101, and CSA B481.1 grease interceptor standards
2. Internal flow control for ASME A112.14.3 listed interceptor and extend vented flow control for P.D.I. G-101 tested units. MIFAB has both approvals
3. 3/8" thick high density polyethylene walls
4. Unit supplied with ductile iron, pickable, H-20 load rated access covers
5. Cover placement allows full access to tank for proper maintenance
6. Vent system per local codes
7. For buried and above ground applications
8. Locate Interceptor as close as possible to grease producing fixtures
9. Unique variable flow control inlet trap design

## OPTIONS

- Corrugated pipe connections
- High water anchor kit (Set of 2)
- 6" pipe connections
- High level alarm monitoring system

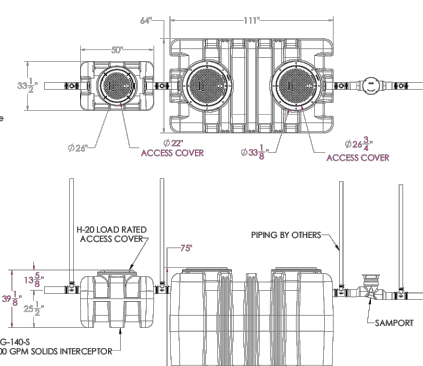


FIG. 11



FIG. 12



FIG. 13



FIG. 14



FIG. 15



FIG. 16

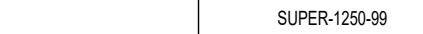


FIG. 17



FIG. 18

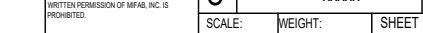


FIG. 19

FIG. 20

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TITLE: SUPER-1250-99

SCALE: DWG. NO. C WEIGHT: SHEET 1 OF 1

# SUPER-1250-99

Grease Interceptor Calculation:  
Per Florida Plumbing Code Section  
1003.3.4, in accordance with PDI G101  
Sec.8.3.1 sizing method based on pipe  
diameter and slope table:

Minimum Slope	Pipe Size	GPM 2 minutes drain
1/8" per ft	4"	100

Seats X Turns X Grease Product X POF = Grease Capacity

Number of Seats	Turns per Seat	Meals per Day	Grease Production per Meal (lbs)	POF ( Days)	Grease capacit y Needed (LBS)	Description
44	4	176	0.0455	90	721	Eat-In
		75	0.035	90	236	Take-Out
		200	0.035	90	630	Bakery
Total Grease Capacity Needed					1587	

## NOTE:

1. All grease traps and solid interceptors can be cleaned at any time.
2. "Area for interceptors only"
3. No cars can park on top of them.

## GREASE TRAP SCOPE OF WORK:

1. Connect New Fixtures and the new grease lines to SUPER-1250-99 at 100 GPM
2. Waste water Sample Port model #SAMPOR
3. SUPER-1250-99 with H-20 load rated, ductile iron, pickable covers.
4. To comply with FOG 2.0 RER-DEEM requirements.
5. Adjust pipe to meet existing elevation of main sanitary drain

## FOG 2.0 RER-DEEM

Required Information	Total
Sample Port	SAMPOR
Capacity (Gallons)	1,262
FOG load capacity (lbs) at 99% efficiency	1,815
Manufacturer	MIFAB
Model #	SUPER-1250-99
3rd party certifier	ASME
Interceptor Monitor Alarm (model#)	HLA2
Interceptor Monitor Device (model#)	BY OTHERS
Solid Separator (model#)	BIG-140-S

## NOTE:

Sample port shall always be accessible without having to remove merchandise and without standing water, on ground level with minimum 36 inches horizontal clearance from any wall, fixed equipment or stored materials and a minimum of 48 inches vertical clearance from any stored materials or fixed equipment. Grease interceptor shall always be accessible to allow for maintenance and cleaning without any impediments.

SUPER-1250-99 meets  
the DEEM 99% efficiency  
and PH of 3

Model #	Quantity	Flow (GPM)	Grease capacity Needed (lbs)
ASME A 112.14.3, TYPE A	1	100	1,815

## NOTE:

MIFAB interceptors will have access for cleaning the tanks from 72" above.

Seats X Turns X Grease Product X POF = Grease Capacity

Number of Seats	Turns per Seat	Meals per Day	Grease Production per Meal (lbs)	POF (Days)	Grease capacity Needed (LBS)	Description
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		200	0.035	90	630	Bakery
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## CERTIFICATE OF LISTING



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Issued To:

**MIFAB, INC.**

1321 WEST 119TH STREET CHICAGO, IL 60643, United States

Product:

**Hydromechanical Grease Interceptors**

Products are in compliance with the following code(s):

Uniform Plumbing Code (UPC®)  
International Plumbing Code (IPC®)

Products are certified to the following standard(s)

ASME A112.14.3-2018 / CSA B481.1

File Number: 3380

Revised Date: May 13, 2025

Effective Date: February 2024

Void After: February 2029\*

*Tom Collins*  
Chairman, Product Certification Committee



*SAH*  
Chief Technical Service Officer

\*This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Directory at [pld.iapmo.org](http://pld.iapmo.org)

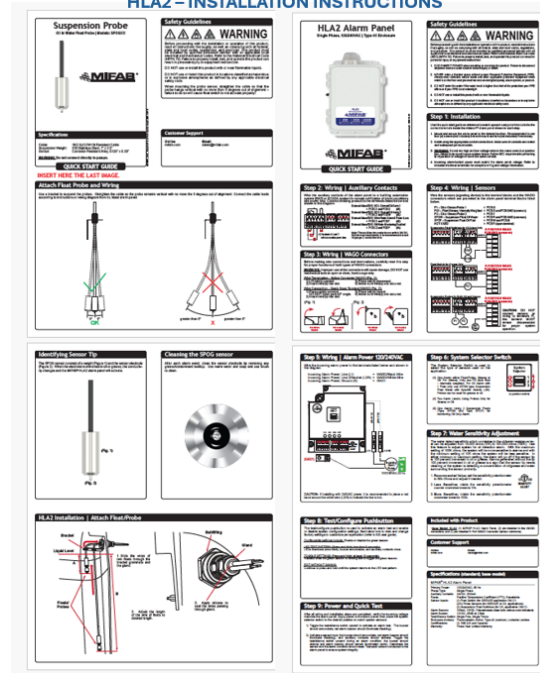
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## FOG 2.0 RER-DERM

Required Information	Total
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FOG load capacity (lbs) at 99% efficiency	1,815
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Model #	SUPER-1250-99
3rd party certifier	ASME
Interceptor Monitor Alarm (model#)	HLA2
Interceptor Monitor Device (model#)	BY OTHERS
Solid Separator (model#)	BIG-140-S

SUPER-1000-99 meets the DERM 99% efficiency and PH of 3	Model #	Quantity	Flow (GPM)	Grease capacity Needed (lbs)
ASME A 112.14.3, Type A	SUPER-1250-99	1	100	1,815

## HLA2 - INSTALLATION INSTRUCTIONS



## SAMPORT SPECIFICATION SHEET

