

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 SUPER-2000.

CONCRETE SLAB SUBJECT TO HYDROSTATIC PRESSURE

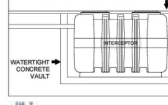


FIG. 2

3. MAXIMUM WATER LEVEL

The water level must not go above the height of inlet/outlet connection.

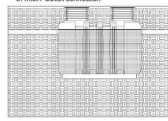


FIG. 3

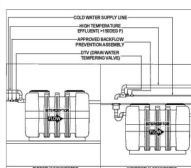


FIG. 4

4. HIGH WATER TABLE INSTALLATIONS

Interceptor and extension cannot withstand excessive water table height. See max water table height in Figure 5. 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 crushing the Interceptor). SUPER-HAZ models installed in high water table are required to be installed with an anchor kit. High Risk Areas: Floodplains, tidal surge and high storm-water areas.

MAX WATER TABLE HEIGHT FOR CORRECT INSTALL

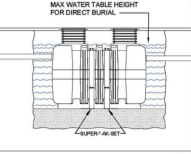


FIG. 5

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 6" on the bottom of the Interceptor.
4. Backfill while filling the Interceptor with water at an equal rate until you reach the fill source. (Do not pack the backfill)
5. Fully install the double wall corrugated pipe and tie prior to backfilling.
6. Concrete or finishing material requirements are to be determined by the specifying engineer.
7. Ensure the Interceptor is well grouted with 4" 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. Position traffic areas: 4" Thick reinforced concrete slab required. Vehicular traffic areas: Minimum 8" 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 should be for slab purposes only. Concrete to be 28 day compressive strength to 4,000 PSI, min 4# steel (1/2") size #4 and used ASTM A618 steel connector with the wire. Rebar to be 3-1/2" from edge of concrete and spaced in a 12" grid with 4" spacing around access openings.

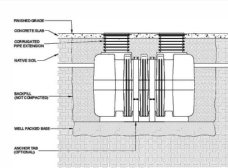


FIG. 6

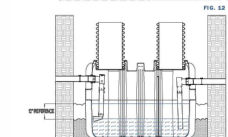


FIG. 7

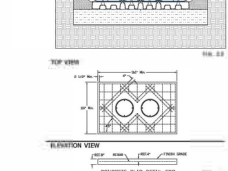


FIG. 8

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 knee together, then place over center channel. Bolt the anchor plate and upper support knee together using bolting hardware. Anchor plate may be bolted to concrete slab using provided holes.



FIG. 9

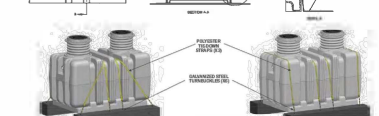


FIG. 10



FIG. 11

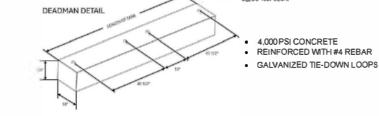


FIG. 12

INSTALLATIONS

EXTERNAL COLLAR INSTALLATION

1. Set the SUPER-HAZ unit into place by grouting by installing the 4" diameter corrugated pipe into the top opening of the Interceptor. Then insert the tie rod on top to measure and adjust the finished height from the top to grade. If tie extension is needed, measure the required dimension and mark the extension. Then, cut it to fit with a saw. The extension system is A618 steel and is designed to be bolted out or welded. If a larger extension is required to meet grade, use A618 steel extension and weld end-to-end to equal grade. (See also part #24302)
2. Insert the Pipe Gasket between the bottom flange. Then firmly press the 2" diameter pipe into the top opening of the Interceptor. It will bottom out at the pipe also. The gasket is designed to fit tightly around the extension collar. Pressing the gasket into place with a pry tool can save time and make this process easier. Watch the installation video at www.mifab.com.
3. Insert the extension collar and pipe gasket onto the opening of the SUPER-HAZ. Press firmly and the extension is locked into the provided recessed. And installation can be made easier by pulling the receiving pipe with mild steam water. This will reduce the friction and reduce the extension to proper inside ability to place.
4. Remove the cover from the 18" diameter base by the pre-drilled screw holes. Attach the tie rod with the self-drilling into the concrete of the cover. Place tie assembly onto the top of the corrugated pipe. Connect the tie assembly into the concrete with the tie self-drilling screws into the concrete below. Proceed. The reserved hole can help during the installation.
5. When installing the collar in a biluminous road, the collar must be installed after the road is paved. Reinforcement to the concrete should be placed around the collar must be avoided. A hole that is slightly larger than the collar should be drilled before pouring the pavement. The reserved hole can help during the installation and prevent the usefulness of the installation.

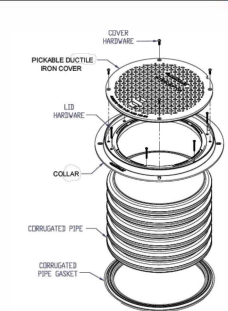


FIG. 13

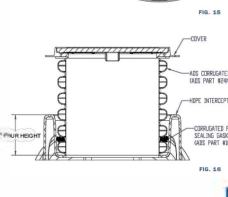


FIG. 14

APPLICATION SPECIFIC DETAILS

PRECAST CORRUGATED CONCRETE UNIT

Installation not applicable for SUPER-2000.

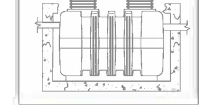


FIG. 15

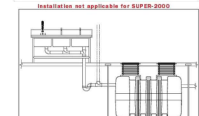


FIG. 16

RECESSED AND SUSPENDED

Installation not applicable for SUPER-2000.

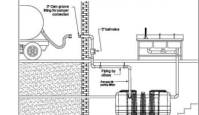


FIG. 17

BASEMENT INSTALLATION WITH PURCHASE KIT

Installation not applicable for SUPER-2000.



FIG. 18

INSTALLATION WITH SUPPORT

Installation not applicable for SUPER-2000.

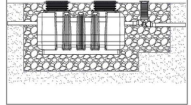


FIG. 19

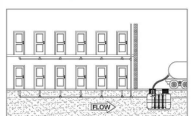


FIG. 20

SERVING AN APARTMENT COMPLEX

Installation not applicable for SUPER-2000.

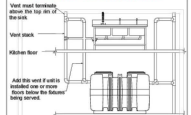


FIG. 21

ADDITIONAL VENTING FOR FLOOR BELOW INSTALL

Installation not applicable for SUPER-2000.



FIG. 22

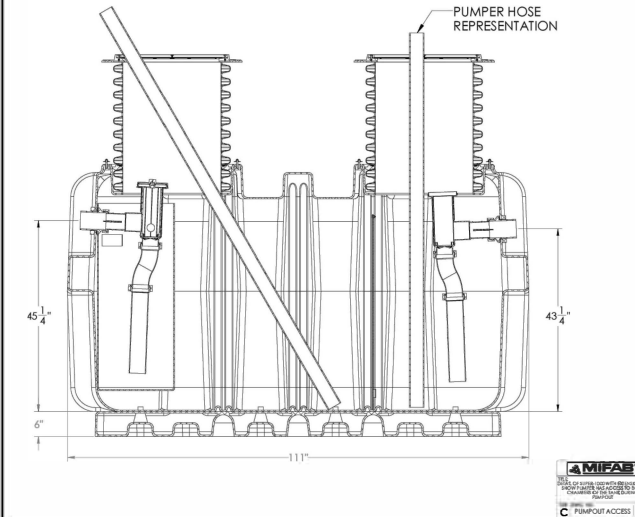


FIG. 23

SYSTEM SPECIFICATIONS

1. 4" NO-HUB INTERCEPTOR

1. Max flow rate: 200 gpm
2. Liquid Capacity: 1.01 gal
3. Max grease capacity: 2.952 lbs
4. Grease capacity based on 90% efficiency per Miami Dade FOG 2.0 requirements
5. Ductile iron, pickable, H-20 load rated access covers
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 APFO to ASME A12.14.3 P.D.I. G-101, and CSA B481.1 grease interceptor standards
2. Interceptor control for ASME A12.14.3 listed interception and 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 vehicle flow control inlet trap design

OPTIONS

- Corrugated pipe connections
- High water anchor kit (Set of 3)
- 4" pipe connections
- High level alarm monitoring system

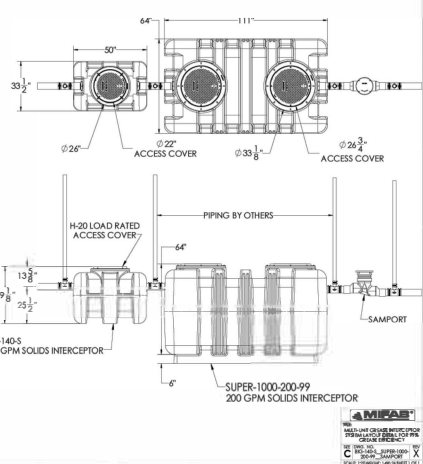


FIG. 24

MIFAB

TITLE: SUPER-1000-200-99

SIZE	DWG. NO.	REV
C	XXXX	
SCALE:	WEIGHT:	SHEET 1 OF 1

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SUPER-1000-200-99



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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 A112.14.3-2016 CSA B461.1

File Number: 1380
Effective Date: February 2024

Revised Date: May 13, 2025
Valid After: February 2029*



*This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Database at and reviewing.

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No.	Test	Clear	Seconds	Rate (GPM)	lb. Added	lb. Skimmed	Lb. Retained	Efficiency	lb. Added	lb. Skimmed	Lb. Retained	Efficiency
64	2	1	110.97	205.46	40.00	0.155	39.845	99.61%	2560.00	5.460	2554.54	99.79%
65	2	1	112.19	203.23	40.00	0.190	39.810	99.53%	2600.00	5.650	2594.35	99.78%
66	2	1	110.66	206.04	40.00	0.155	39.845	99.61%	2640.00	5.805	2634.20	99.78%
67	2	1	112.54	202.59	40.00	0.145	39.855	99.64%	2680.00	5.950	2674.05	99.78%
68	2	1	109.18	208.83	40.00	0.170	39.830	99.58%	2720.00	6.120	2713.88	99.78%
69	1	2	113.32	201.20	40.00	0.200	39.800	99.50%	2760.00	6.320	2753.68	99.77%
70	2	1	110.53	206.28	40.00	0.260	39.740	99.35%	2800.00	6.580	2793.42	99.77%
71	1	2	109.43	208.35	40.00	0.305	39.695	99.24%	2840.00	6.885	2833.12	99.76%
72	2	1	110.78	205.81	40.00	0.260	39.740	99.35%	2880.00	7.145	2872.86	99.75%
73	1	2	112.63	202.43	40.00	0.400	39.600	99.00%	2920.00	7.545	2912.46	99.74%
74	2	1	112.75	202.22	40.00	0.375	39.625	99.06%	2960.00	7.920	2952.08	99.73%
75	1	2	111.53	204.43	40.00	9.525	30.475	76.19%	3000.00	17.445	2982.56	99.42%
76	2	1	110.14	207.01	40.00	1.860	38.140	95.35%	3040.00	19.305	3020.70	99.36%

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 D	SUPER-1000-200-99	1	200	2,952



Satisfies Miami DERM 99% efficiency requirements. Product labels are permanently attached to the inside and outside of the unit for easy viewing.

HLA2 - INSTALLATION INSTRUCTIONS



