

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.

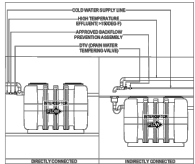


FIG. 1

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).

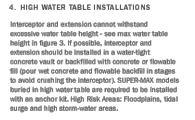


FIG. 2

3. MAXIMUM WATER LEVEL

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

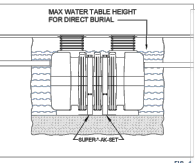
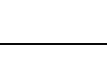
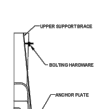
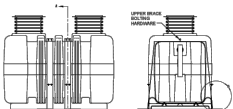


FIG. 3

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.



INSTALLATIONS

8. 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 lid prior to backfilling.
6. Concrete or finishing material requirements shall be determined by the specifying engineer.
7. Encase the interceptor in well graded 3/4" rock, or sand. Do not compact backfill around Interceptor.
8. To prevent frost 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)

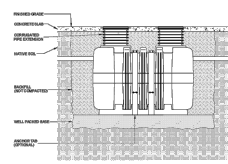


FIG. 4

9. FINISHED CONCRETE SLAB

Slab must extend 18" minimum outside the footprint of the unit. Protrusion traffic areas: 4" thick reinforced concrete slab required. Wettable traffic areas: 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 A630. Concrete to be 2-1/2" from edge of concrete and the reinforcement to be 4" spacing around access openings.

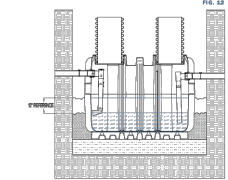


FIG. 5

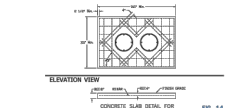


FIG. 6

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 base. 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 ASD pipe and is designed to fit into the unit. If ASD pipe can be purchased and cut to length in order to equal grade (ASD pipe part #24932).
2. Install the pipe between the bottom flange. Then firmly press the 24" diameter pipe into the top 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. 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 by ASD-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. 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 by ASD-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 underside of the collar. Press lid assembly onto the top of the corrugated pipe. Connect the lid assembly collar to the pipe with the 8 self tapping screws into the counterbore holes. Pushing 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" x 18" steel guard collar around it should be provided to the collar and bolt setting to make the surrounding composition level and consistent.
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 installed before pouring the masonry. The recessed hole can help ensure the installation quality and prolong the usefulness of the installation.

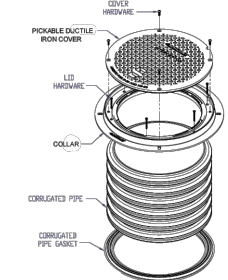


FIG. 7

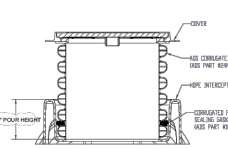


FIG. 8

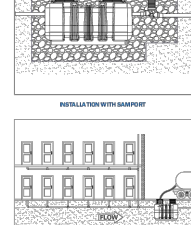
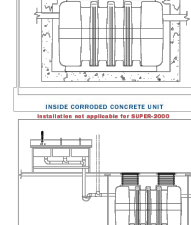
APPLICATION SPECIFIC DETAILS

INSIDE CORRODED CONCRETE UNIT

Installation not applicable for SUPER-2000

INSTALLATION WITH SUPPORT

Installation not applicable for SUPER-2000

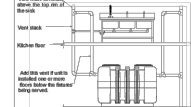
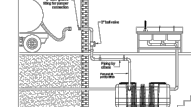


RECESSED AND SUSPENDED

Installation not applicable for SUPER-2000

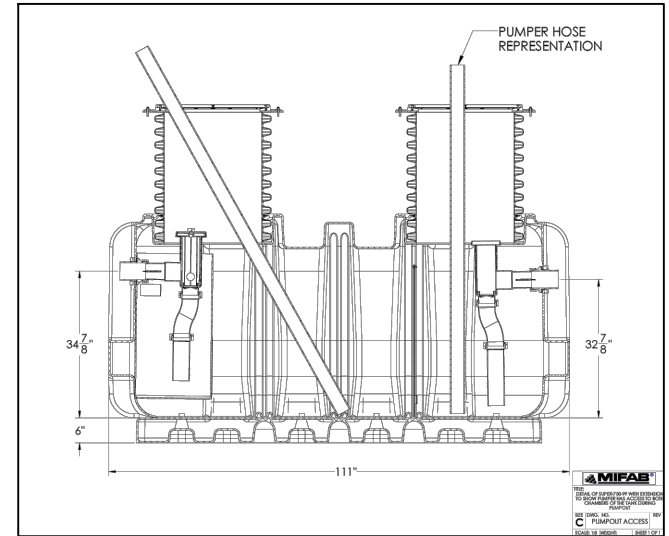
SERVING AN APARTMENT COMPLEX

Installation not applicable for SUPER-2000



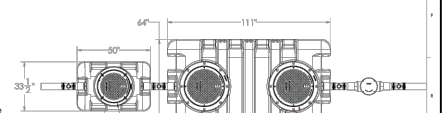
BASEMENT INSTALLATION WITH PUMP-OUT KIT

ADDITIONAL VENTING FOR FLOOR-BELOW INSTALL



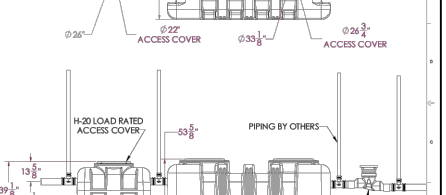
SYSTEM SPECIFICATIONS

1. 4" No-hub inlet/outlet
2. Max flow rate: 100 gpm
3. Liquid Capacity: 772 gal
4. Max grease capacity: 4,118 lbs (Grease capacity based off PPE efficiency per Miami Dade FOG 2.0 requirement)
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



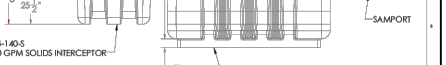
NOTES

1. Each grease Interceptor is certified and listed by 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 extended 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



TITLE: SUPER-750-99

SIZE: DWG. NO. XXXXX

SCALE: WEIGHT: SHEET 1 OF 1

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SUPER-750-99

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 capacity 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	

IAPMO RESEARCH AND TESTING, INC.

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CERTIFICATE OF LISTING

IAPMO Research and Testing, Inc. is a product certification body as defined in product certification system national regulations and policies of design codes from the ASME code or from the codes of a department of state or state department of health. IAPMO Research and Testing, Inc. is not a government agency. This listing is issued only for the purpose of the listing. It is not a guarantee of the quality of the product. It is the responsibility of the user to ensure that the product meets the requirements of the listing. It is not a guarantee of the quality of the product. It is the responsibility of the user to ensure that the product meets the requirements of the listing.

Issued To:
MIFAB, INC.

1301 WEST 17TH STREET, CHICAGO, IL 60604

Product: **MasterMark Interceptor**
MasterMark Interceptor

Products are in compliance with the following codes:
ANSI/AWWA C900 (2005)
ANSI/AWWA C900 (2005)

File Number: 1301
Revision Number: 1301



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-750-99 at 100 GPM.
2. Waste water Sample Port model # **SAMPORT**
3. SUPER-750-99 with H-20 load rated, ductile iron, pickable covers.
4. To comply with FOG 2.0 RER-DERM requirements.
5. Adjust pipe to meet existing elevation of main sanitary drain

FOG 2.0 RER-DERM

Required Information	Total
Sample Port	SAMPORT
Capacity (Gallons)	772
FOG load capacity (lbs) at 99% efficiency	4,118
Manufacturer	MIFAB
Model #	SUPER-750-99
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-750-99 meets the DERM 99% efficiency and PH of 3

Model #	Quantity	Flow (GPM)	Grease capacity Needed (lbs)
ASME A 112.14.3 Type C SUPER-750-99	1	100	4,118

NOTE:

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

No.	Test	Clear	Removal	Rate (OPU)	lb. Added	lb. Removed	lb. Retained	Efficiency	lb. Added	lb. Removed	lb. Retained	Efficiency
193	1	2	112.06	101.73	20.00	0.230	19.770	98.85%	3860.00	35.755	3824.25	99.07%
194	2	1	110.06	103.58	20.00	0.220	19.780	98.90%	3880.00	35.975	3844.03	99.07%
195	1	2	113.47	100.47	20.00	0.295	19.705	98.53%	3900.00	36.270	3863.73	99.07%
196	2	1	111.88	101.89	20.00	0.355	19.645	98.23%	3920.00	36.625	3883.38	99.07%
197	1	2	113.37	100.56	20.00	0.255	19.745	98.73%	3940.00	36.880	3903.12	99.06%
198	2	1	110.44	103.22	20.00	0.335	19.665	98.33%	3960.00	37.215	3922.79	99.06%
199	1	2	112.40	101.42	20.00	0.590	19.410	97.05%	3980.00	37.805	3942.20	99.05%
200	2	1	110.09	103.55	20.00	0.370	19.630	98.15%	4000.00	38.175	3961.83	99.05%
201	1	2	111.18	102.54	20.00	0.315	19.685	98.43%	4020.00	38.490	3981.51	99.04%
202	2	1	110.40	103.26	20.00	0.425	19.575	97.88%	4040.00	38.915	4001.09	99.04%
203	1	2	111.19	102.53	20.00	0.370	19.630	98.15%	4060.00	39.285	4020.72	99.03%
204	2	1	110.88	102.81	20.00	0.390	19.610	98.05%	4080.00	39.675	4040.33	99.03%
205	1	2	112.17	101.63	20.00	0.385	19.615	98.08%	4100.00	40.060	4059.94	99.02%
206	2	1	110.57	103.10	20.00	0.385	19.615	98.08%	4120.00	40.445	4079.56	99.02%
207	1	2	111.13	102.58	20.00	0.330	19.670	98.35%	4140.00	40.775	4099.23	99.02%
208	2	1	110.03	103.61	20.00	0.390	19.610	98.05%	4160.00	41.165	4118.84	99.01%
209	1	2	110.22	103.43	20.00	1.785	18.215	91.08%	4180.00	42.950	4137.05	98.97%
210	2	1	109.53	104.08	20.00	0.305	19.695	98.48%	4200.00	43.255	4156.75	98.97%

Seats X Turns X Grease Product X POF = Grease Capacity

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FOG 2.0 RER-DERM

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SAMPORT SPECIFICATION SHEET

