SPECIAL PRECAUTIONS

1. HIGH TEMPERATURE KITCHEN WATER

If there is water entering the interceptor at over 150°F, a drain water tampering 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).

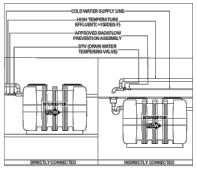


FIG. 1

Installation not applicable for SUPER-2000

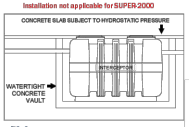


FIG. 2

3. MAXIMUM WATER LEVEL

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

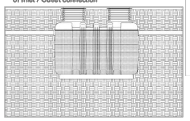


FIG. 3

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 crushing the interceptor). SUPER-MAX 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.

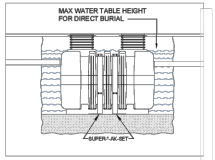


FIG. 4

1

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 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 are to be determined by the specifying engineer.
7. Encase the interceptor in well-packed 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)

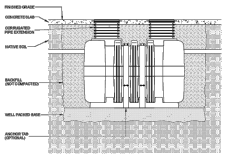


FIG. S3

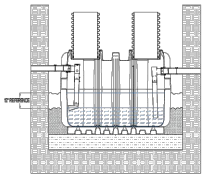


FIG. S3

FINISHED CONCRETE SLAB

Slab must extend 18" minimum outside the footprint of the unit. Pedestrian 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 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 A615; connected with tire wire. Rebar to be 2-1/2" from edge of concrete and spaced in a 12" grid with 4" spacing around access openings.

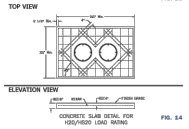
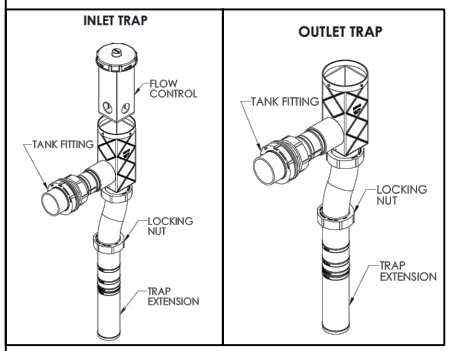
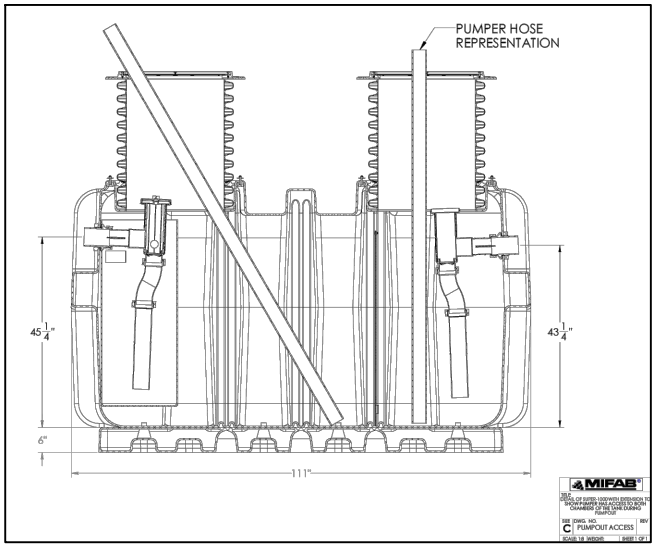


FIG. S4

CONCRETE SLAB DETAIL

6

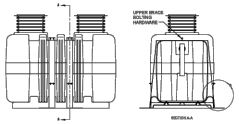




SPECIAL PRECAUTIONS

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.



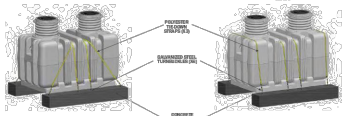


FIG. S5

SUPER-*-AK-SET-2 (SPECIFY SIZE)

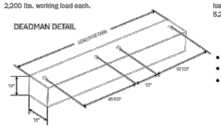
The SUPER-*-AK-SET-2 is used when greater hold down strength is required. The polyester tie-down straps and turnbuckles are rated at 2,200 lbs. working load each.

FIG. S6

SUPER-*-AK-SET-3 (SPECIFY SIZE)

The SUPER-*-AK-SET-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. each.

DEADMAN DETAIL



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

2

INSTALLATIONS

EXTENSION COLLAR INSTALLATION

1. Set the SUPER MAX unit height to grade by installing the 24" diameter corrugated pipe onto the top opening(s) of the body, 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 field cut as needed. If a longer extension is required to meet grade, new ADS pipe can be purchased and cut to length in order to meet grade. (ADS part #24812Z)

2. Install the Pipe Gasket between the bottom ribs. Then firmly press the 24" diameter pipe into the top opening(s) of the interceptor. It will bottom out at the pipe stop. The gasket is designed to fit tightly around the extension collar. Prying the gasket into place with a pry tool can save time and make this process easier. Watch the installation video at www.bit.ly/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, and installation can be made easier by wetting the receiving area with mild soapy water. This will reduce the friction and allow the extension to press more easily into place.

4. Remove the cover from the lid assembly to see the pre-drilled screw holes. Affix the lid gasket with the self adhesive strip on the underside of the collar. Place lid assembly onto the top of the corrugated pipe. Connect the lid assembly collar to the pipe with the 6 self tapping screws into the countersunk holes. Replace lid back onto the lid assembly collar.

5. When installing the collar on concrete roads, an 8 inch/ 14th concrete ring beam with a 16" width guard circle around it should be poured between the collar and brick setting to make the surrounding compaction level and unmovable.

6. When installing the collar in a bituminous road, the collar must be installed after the road is paved. Roller compaction by construction equipment around the collar must be avoided. A note that is slightly larger than the collar should be inserted before pouring the pavement. The reserved hole can help ensure the installation quality and prolong the usefulness of the installation.

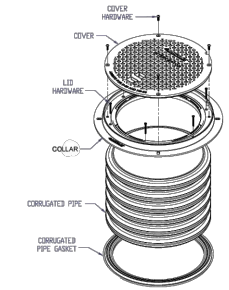


FIG. S5

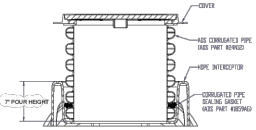
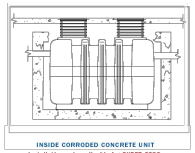


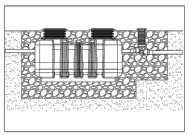
FIG. S6

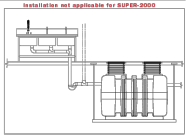
8

APPLICATION SPECIFIC DETAILS

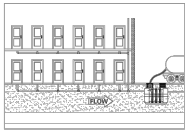

INSIDE CORRODED CONCRETE UNIT

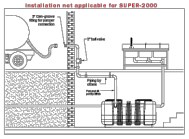
Installation not applicable for SUPER-2000


INSTALLATION WITH SAMPORT

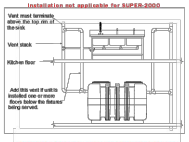

RECESSED AND SUSPENDED

Installation not applicable for SUPER-2000



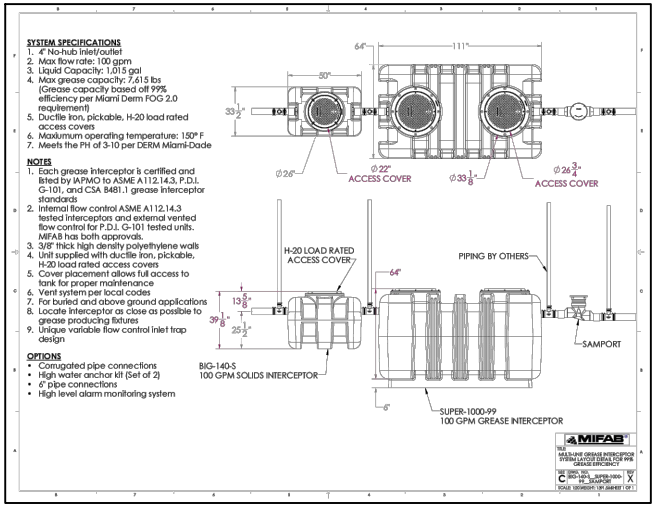


BASEMENT INSTALLTION WITH PUMPOUT KIT



ADDITIONAL VENTING FOR FLOOR-BELOW INSTALL

10



MIFAB®

TITLE: SUPER-1000-99

SIZE	DWG. NO.	REV
C	XXXXX	

SCALE: | WEIGHT: | SHEET 1 OF 1

SUPER-1000-99

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	

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-1000-99 at 100 GPM
2. Waste water Sample Port model # **SUMPORT**
3. SUPER-1000-99 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)	1015
FOG load capacity (lbs) at 99% efficency	7,615
Manufacturer	MIFAB
Model #	SUPER-1000-99
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-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-1000-99	1	100	7,615

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

No.	Test	Clear	Seconds	Rate (GPM)	lb. Added	lb. Skimmed	lb Retained	Efficiency	lb. Added	lb. Skimmed	lb. Retained	Efficiency
375	2	1	110.12	103.52	20.00	0.665	19.335	96.68%	7500.00	39.125	7460.88	99.48%
376	1	2	112.22	101.59	20.00	0.575	19.425	97.13%	7520.00	39.700	7480.30	99.47%
377	2	1	111.91	101.87	20.00	0.520	19.480	97.40%	7540.00	40.220	7499.78	99.47%
378	1	2	112.47	101.36	20.00	0.565	19.435	97.18%	7560.00	40.785	7519.22	99.46%
379	2	1	110.84	102.85	20.00	0.625	19.375	96.88%	7580.00	41.410	7538.59	99.45%
380	1	2	113.14	100.76	20.00	0.570	19.430	97.15%	7600.00	41.980	7558.02	99.45%
381	2	1	112.31	101.50	20.00	0.625	19.375	96.88%	7620.00	42.605	7577.40	99.44%
382	1	2	110.92	102.78	20.00	0.580	19.420	97.10%	7640.00	43.185	7596.82	99.43%
383			112.40	101.42	20.00	1.085	18.915	94.58%	7660.00	44.270	7615.73	99.42%
384	1	2	112.22	101.59	20.00	2.440	17.560	87.80%	7680.00	46.710	7633.29	99.39%
385	2	1	113.17	100.73	20.00	2.300	17.700	88.50%	7700.00	49.010	7650.99	99.36%
386	1	2	112.91	100.97	20.00	1.290	18.710	93.55%	7720.00	50.300	7669.70	99.35%

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	

FOG 2.0 RER-DERM	
Required Information	**Total**
Sample Port	SAMPORT
Capacity (Gallons)	1015
FOG load capacity (lbs) at 99% efficency	7,615
Manufacturer	MIFAB
Model #	SUPER-1000-99
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 A112.14.3, Type D	SUPER-1000-99	1	100	7,615

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*

Chairman, Product Certification Committee

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

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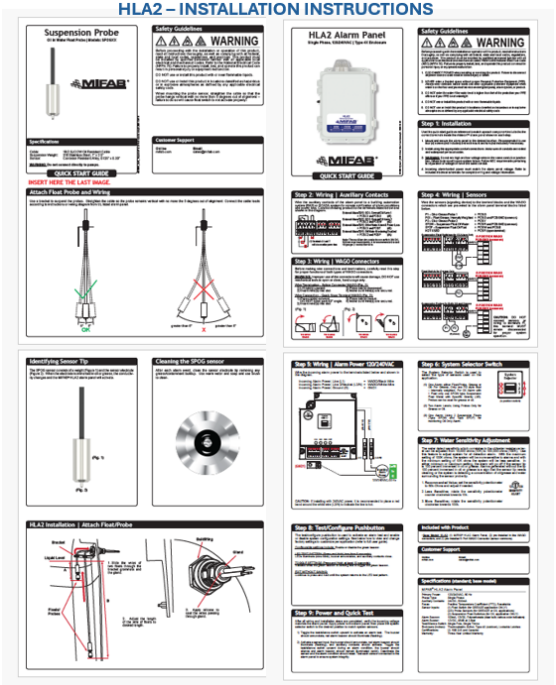
HLA2 – INSTALLATION INSTRUCTIONS



SAMPORT SPECIFICATION SHEET