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INT-2022

GREASE INTERCEPTOR CAPACITY DATA

Model No.	Flow Rate (GPM)	Liquid Cap (Gal)	Grease Design Cap. (Lbs)	Sediment Cap. (Gal)
LI-7	7	5.8	37	2.0
LI-10	10	8.5	42	2.0
LI-15	15	13	50	3.1
LI-20	20	16	73	3.9
LI-25	25	23	79	5.6
LI-35	35	39	86	10.6
LI-50	50	44	109	11.9
LI-25-LP	25	19	74	11.9
BIG-750	750	1540	501	51
BIG-1150	1000	2000	656	62
SUPER-500	250	539	3492	43
SUPER-750	250	772	5002	77
SUPER-1000	250	1015	6577	102
SUPER-1250	250	1282	8177	126
SUPER-1300	250	1312	8501	131
SUPER-1500	250	1522	9862	152
SUPER-2000	250	2022	13102	202

Capacities listed are for reference. Many external circumstances can have an effect on the data provided.

		GREASE PRODUCTION VOLUMES							
PUMP OUT CYCLE	MEALS PER DAY	1 0.005 lbs/meal	2 0.005 lbs/meal	3 0.025 lbs/meal	4 0.032 lbs/meal	5 0.035 lbs/meal	6 0.045 lbs/meal	7 0.058 lbs/meal	8 0.075 lbs/meal
30	250	LI-7	LI-15	BIG-750	BIG-750	BIG-750	BIG-750	BIG-750	BIG-750
	500	LI-20	LI-50	BIG-750	BIG-750	BIG-750	BIG-1150	BIG-1150	BIG-1150
	750	LI-50	BIG-750	BIG-1150	BIG-1150	BIG-1150	BIG-1150	BIG-1150	BIG-1150
	1000	BIG-750	BIG-750	BIG-1150	BIG-1150	BIG-1150	SUPER-500	SUPER-500	SUPER-500
		GREASE PRODUCTION VOLUMES							
PUMP OUT CYCLE	MEALS PER DAY	1 0.005 lbs/meal	2 0.005 lbs/meal	3 0.025 lbs/meal	4 0.032 lbs/meal	5 0.035 lbs/meal	6 0.045 lbs/meal	7 0.058 lbs/meal	8 0.075 lbs/meal
60	250	LI-25	LI-50	BIG-750	BIG-750	BIG-750	BIG-1150	BIG-1150	BIG-1150
	500	BIG-750	BIG-750	BIG-1150	BIG-1150	BIG-1150	BIG-1150	BIG-1150	BIG-1150
	750	BIG-750	BIG-750	BIG-1150	BIG-1150	BIG-1150	SUPER-500	SUPER-500	SUPER-500
	1000	BIG-750	BIG-750	BIG-1150	SUPER-500	SUPER-500	SUPER-500	SUPER-500	SUPER-750
		GREASE PRODUCTION VOLUMES							
PUMP OUT CYCLE	MEALS PER DAY	1 0.005 lbs/meal	2 0.005 lbs/meal	3 0.025 lbs/meal	4 0.032 lbs/meal	5 0.035 lbs/meal	6 0.045 lbs/meal	7 0.058 lbs/meal	8 0.075 lbs/meal
90	250	LI-50	BIG-750	BIG-750	BIG-1150	BIG-1150	BIG-1150	BIG-1150	SUPER-500
	500	BIG-750	BIG-750	BIG-1150	BIG-1150	BIG-1150	SUPER-500	SUPER-500	SUPER-500
	750	BIG-750	BIG-750	SUPER-500	SUPER-500	SUPER-500	SUPER-500	SUPER-750	SUPER-750
	1000	BIG-750	BIG-750	SUPER-500	SUPER-500	SUPER-500	SUPER-750	SUPER-1000	SUPER-1000

CALIFORNIA PROPOSITION 65 WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Images and contents are subject to modification. Please refer to product literature. www.mifab.com for more detailed technical information. sales@mifab.com

All sales subject to MIFAB's Terms and Conditions. Please refer to Price List 010.

USA Toll Free: 1-800-455-2776 • Fax: 1-773-341-3049
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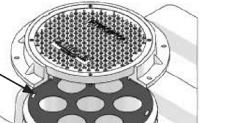
SPECIFICATIONS

NOTES:

1. 4" no-hub connection for inlet and outlet.
2. Unit weight total - ~15lbs
3. Unit supplied with H-20 load rated access cover, 18" corrugated pipe, and sealing gasket.
4. Maximum operating temperature: 180° F continuous.
5. Unit for below ground application; -DC for direct connect lid in above ground application.

ENGINEER SPECIFICATION GUIDE

MIFAB sampling port models BIG-SP, BIG-SP-OF, and BIG-SP-L are made in the USA of molded polyethylene.

MIFAB SAFETY SHIELD	
<p>The issue of open sewer manholes is a real one. Unfortunately, interceptor lids are sometimes not secured properly and / or left off the interceptor. This has resulted in people falling into the interceptor – causing drowning and deaths. MIFAB's solution is the Safety Shield. It is a heavy duty fabricated steel, powder epoxy coated plate with a 450 lb. load rating that is installed underneath the lid, on top of the pipe extension. The Safety Shield provides enough access for inspection and pump out / maintenance while preventing people from falling into the interceptor. It can also be removed for full access to the interceptor. The MIFAB Safety Shield is available with all Big Max and SuperMax interceptors and is to be installed on top of the corrugated pipe extension before the lid assembly is placed on top of the pipe extension.</p>	
 <p>Big Max Safety Shield</p>	 <p>SuperMax Safety Shield</p>
<p>Note: A different design of Safety Shield is available from MIFAB for installation after the interceptor is installed in the ground. Contact MIFAB for part number and pricing.</p>	
<p>Big Max Safety Shield Model # BIC-STR List Price of \$614.00</p>	<p>SuperMax Safety Shield Model # SUPER-STR List Price of \$614.00</p>

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. Fill the interceptor with water prior to backfilling in order to prevent the interceptor from floating.
5. Fully install the double wall corrugated pipe and lid prior to backfilling.
6. Concrete or finishing material requirements is to be determined by the specifying engineer.
7. Encase the interceptor in well-packed 1/2" 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.

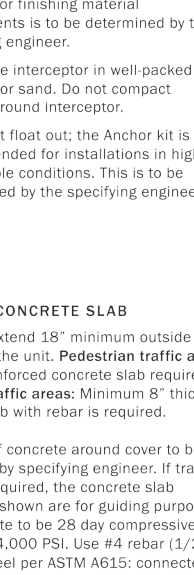


FIG. 11

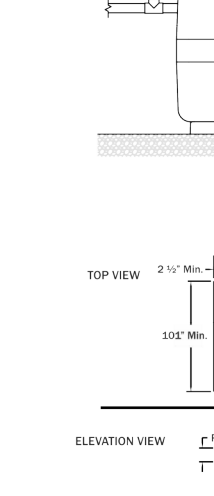
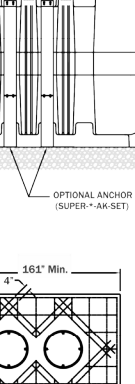


FIG. 12

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 guiding 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 tie wire. Rebar to be 2-1/2" from edge of concrete and spaced in a 12" grid with 4" spacing around access openings.



TOP VIEW

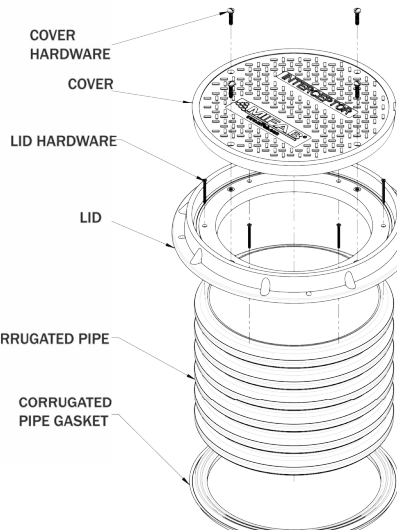
ELEVATION VIEW

FIG. 13

INSTALLATIONS

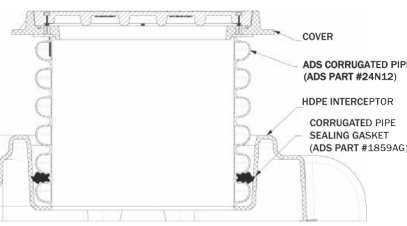
EXTENSION COLLAR INSTALLATION

1. Set the SUPER MAX unit height to grade by installing the 24" diameter corrugated pipe into 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 equal grade. (ADS pipe part #24X12)
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. Pry the gasket into place with a pry tool can save time and make this process easier. Watch the installation video at www.bti.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. After the lid gasket with the self adhesive onto 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 countersink holes. Replace lid back onto the lid assembly collar.
5. When installing the collar on concrete roads, an 8 inch-wide 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 on 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.



The diagram illustrates the components of the ADS extension collar assembly. It includes a stack of corrugated pipes, a corrugated pipe gasket, a lid hardware, a cover hardware, and a lid. The assembly is shown in a cross-section view, with labels for each part: COVER HARDWARE, COVER, LID HARDWARE, LID, CORRUGATED PIPE, CORRUGATED PIPE GASKET, and ADS CORRUGATED PIPE (ADS PART #24X12). A dimension line indicates a 7" PORT HEIGHT.

FIG. 14



The diagram shows the ADS extension collar installed on a road. It includes a cross-section view of the collar, the ADS corrugated pipe, the ADS corrugated pipe gasket, the ADS interceptor, and the ADS corrugated pipe. The assembly is shown in a cross-section view, with labels for each part: COVER, ADS CORRUGATED PIPE (ADS PART #24X12), ADS INTERCEPTOR, CORRUGATED PIPE SEALING GASKET (ADS PART #1855AG), and ADS CORRUGATED PIPE. A dimension line indicates a 7" PORT HEIGHT.

FIG. 15

SPECIAL PRECAUTIONS

4. ABOVE GRADE INSTALLATION SUPPORT - ANCHOR KITS

Anchor kit is recommended for installation in high water table conditions to prevent float out. Necessity to be determined by Project Engineer. Hold down force 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.

Figure 4A: Top view of the anchor kit showing dimensions. Figure 4B: Side view of the anchor kit showing the upper brace, bolting hardware, and anchor plate. Figure 4C: Side view of the anchor kit showing the upper support brace, bolting hardware, and anchor plate. Figure 4D: Side view of the anchor kit showing the upper brace, bolting hardware, and anchor plate.

Figure 5: Side view of the anchor kit showing polyester tie-down straps and galvanized steel turnbuckles. Figure 6: Side view of the anchor kit showing concrete tie-down anchors.

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.

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.

The left side of the image contains two technical drawings of the pump assembly. The top drawing is a side view showing the pump's internal components, including a diagonal impeller and a vertical shaft. A label 'PUMPER HOSE REPRESENTATION' points to a vertical line. Dimensions include a height of 28 1/4 inches and a base width of 6 inches. The bottom drawing is a top-down view showing the pump's footprint with a width of 111 inches. A small 'MIDCON' logo is visible in the bottom right corner of this drawing.

The right side of the image shows a schematic of an apartment complex. It features two rows of doors, each with a small triangle below it. A large arrow labeled 'FLOW' points to the right, indicating the direction of water flow from the pump assembly towards the building. The pump assembly is depicted as a series of connected pipes and valves on the right side of the diagram.

Serving an Apartment Complex


Inside a Corroded Concrete Unit

Installation with Sampling Port (BIG-SP)

Must be fully supported

Recessed and Suspended

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PART OR AS A WHOLE WITHOUT THE
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 MIFAB®			
TITLE:			
<p style="text-align: center;">250GPM HDPE GREASE INTERCEPTOR (100GPM FOR PDI MODEL)</p>			
SIZE C	DWG. NO.	REV.	
SUPER-500			
SCALE:	WEIGHT:	SHEET 1 OF	