

# **JOSAM**

## **SUPER-FLO® GI 2000**

**Grease Recovery Device (GRD)**

**U.S. Patent No. 5, 705, 055**



**AUTOMATIC**

**ELECTRONICALLY CONTROLLED**

**SELF-CLEANING**

# SUPER-FLO® GI 2000

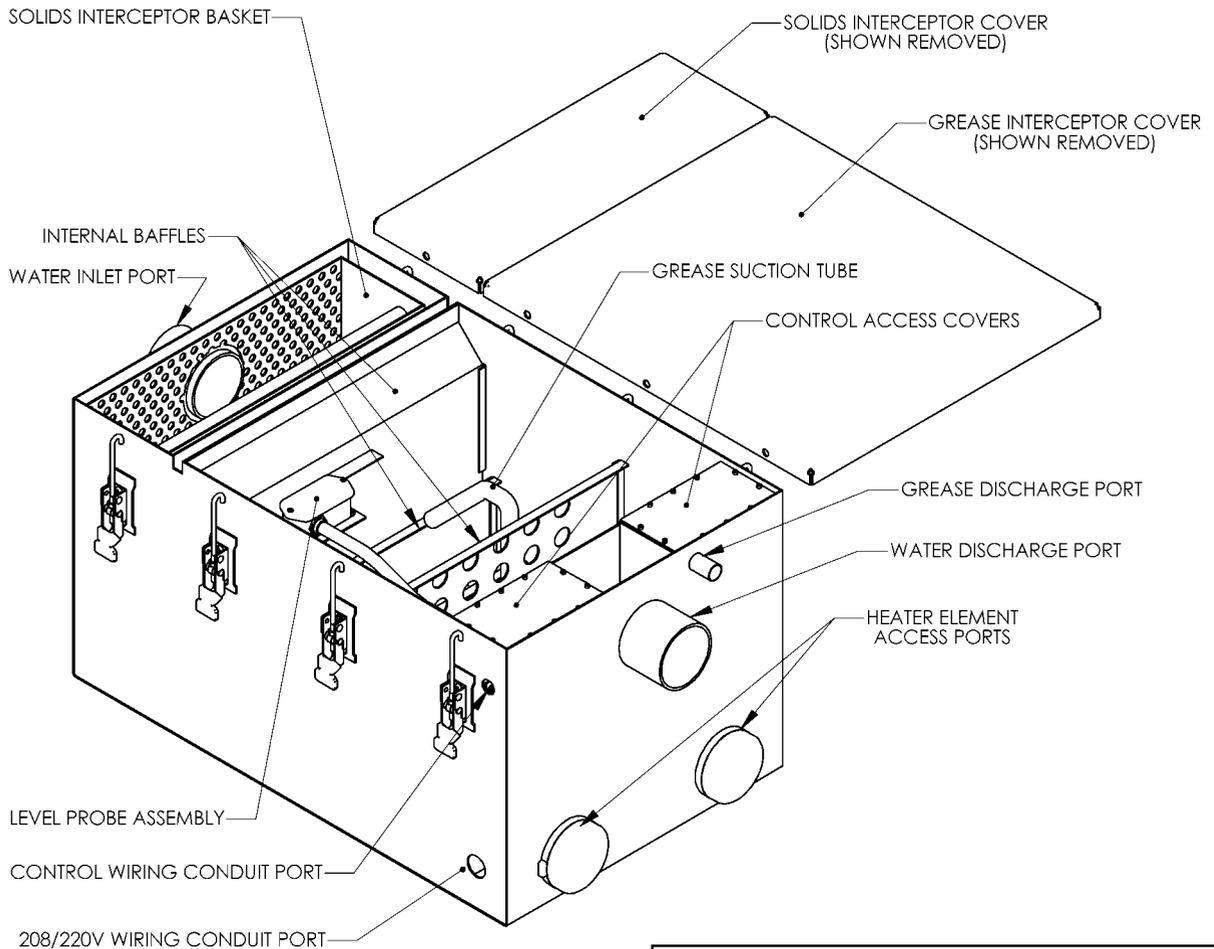
## Grease Recovery Device (GRD)

### SUPER-FLO® GI 2000 CONTROLLER

The wall-mounted controller is encased in a NEMA-4 rated waterproof housing and features an easy to read multi-line LCD display that provides a constant summary of the GRD's activities over the past year.

The heart of the controller is a custom microcomputer system that is specifically designed to accurately and reliably control grease removal with minimal operator interaction.

Automated grease removal, the manual override feature and built-in maintenance checks are just some of the features that have been designed into the Super-Flo® GI 2000 controller.



#### CERTIFICATIONS & LISTINGS

The SUPER-FLO® GI 2000 models are certified to the Plumbing Drainage Institute PDI-G101 standard up to 50 GPM and 100 lbs grease. Larger sizes are not addressed in the standard and therefore not certified to PDI-G101. All models are UL listed.



UPC®



SUPER-FLO® GI 2000 is UL listed in the United States and Canada

The SUPER-FLO® GI 2000 electronically controlled automatic self cleaning grease recovery device effectively removes practically 100% of grease, oil, fats, and food solids routinely cycled from commercial kitchens, restaurants and food processing facilities. The SUPER-FLO® GI 2000 combines industry proven methods, superior design and the quality assurance that you have come to expect from Josam Company.

## OPERATIONAL FEATURES

### Superior Design

The SUPER-FLO® GI 2000 offers superior operating features to those of any other automated grease interceptors on the market today. A Josam developed enhanced microprocessor based controller monitors the highly accurate grease level sensor, clearly displays the systems operating status and provides easy to use systems controls. The interceptor is constructed of corrosion resistant 12 gauge 304 stainless steel and features convenient lift lock latches for easy access to the interceptor for maintenance purposes.

### SUPER-FLO® Smart

The controller provides the facility staff with an audible alarm, LED indicators and distinctly visible multi-line alphanumeric LCD display of the GRD's system status and operating mode at all times. The test mode feature allows maintenance personnel to easily perform operation checks of the SUPER-FLO® GI 2000 within minutes.

### Automatic Self-Cleaning

The SUPER-FLO® GI 2000's programmable controller senses the amount of grease held in the GRD's storage tank. Once the amount of grease reaches the unit's preset grease capacity, the controller will automatically (or by manual operator control) activate 7000 watts of heating elements to liquefy the congealed grease. When the grease is liquefied to the precise temperature, the controller will activate the internal pump, which discharges the grease into a reclaim tank. The fully automated SUPER-FLO® GI 2000 eliminates the need to manually monitor the required amount of cleaning cycles necessary to extricate the facility's grease volume.

### User Friendly

The SUPER-FLO® GI 2000 is as simple to install as it is to operate. The plumbing installation of the unit is the same as installing any conventional grease interceptor. The controller is encased in a NEMA-4 rated enclosure that mounts directly to the wall with four screws and the low voltage electrical hook up to the interceptor's interface board is a snap. The four wires (220 VAC) that connect to the interceptor are conduit encased to a NEMA-4 rated enclosure. All electrical components and the controls package of the SUPER-FLO® GI 2000 are safe, reliable and UL listed.

### Reduce Maintenance Cost

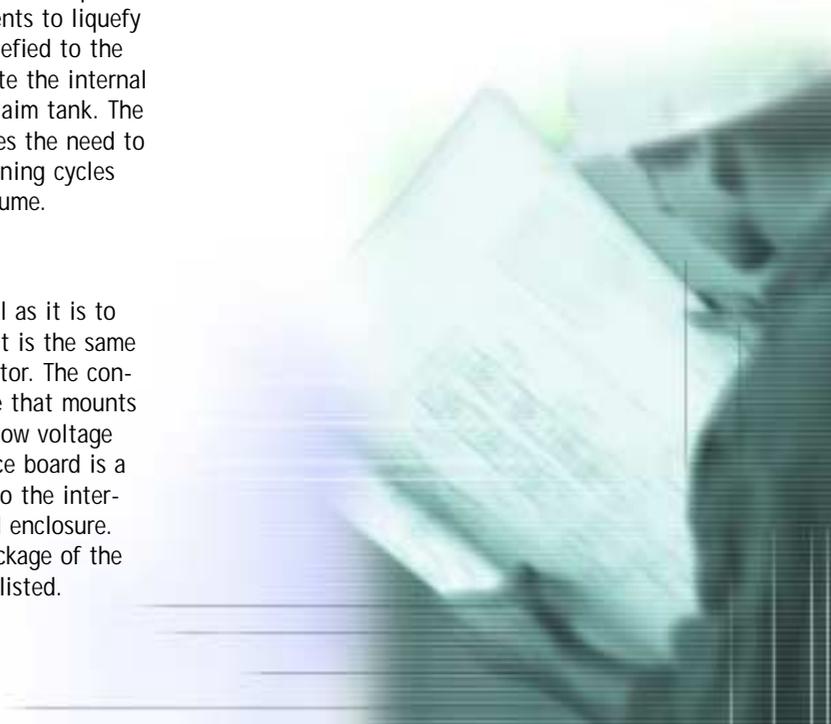
This affordable device replaces manual grease interceptors that have a tendency not to be maintained properly. Delinquent maintenance is often the cause of grease discharge entering the sewage lines, clogging and damaging pipes, on-site treatment facilities and sewage septic fields. The SUPER-FLO® GI 2000 is designed to eliminate the expensive cost of grease interceptor pumping charges, cleaning of blocked sewer lines and sewer surcharge fines that the kitchen, restaurant or food processing facility may incur.

### Environmentally Sound

The SUPER-FLO® GI 2000 protects the environment eliminating grease from mixing with other waste material in water treatment plants, waterways and landfills. The SUPER-FLO® GI 2000 controller monitors and continuously displays the number of cleaning cycles of the interceptor for a period up to one year. This unique feature is ideal for monitoring the unit's grease removal process when local or state codes mandate stringent grease removal regulations. In addition, the SUPER-FLO® smart controller can be set to ensure that the most stringent grease in effluent standards are met, including the widely accepted limit of 100 milligrams per liter. Josam Company is the leader in the industry for offering these advanced features and meeting the high efficiency standards.

### Quality Assurance

The SUPER-FLO® GI 2000 Grease Recovery Device carries PDI certification (applicable sizes), UL and UPC® listing, and should meet the requirements of the developing ASME A112.14.4 standard for grease recovery devices. All components of the SUPER-FLO® GI 2000 are fully covered under a one-year Josam Company warranty.



## SUPER-FLO® GI 2000 Sizing Method

Sizing a GRD is based on volume of wastewater gallons per minute (G.P.M.) that can be discharged from the drainage fixtures and equipment to be served. Selection of a GRD is dependent on the GRD's rated capacity (in G.P.M.), which must be suitable to handle the drainage flow requirement. The inlet and outlet size of the selected GRD determines the size of the connecting pipe. The National Plumbing Code and other codes list drainage fixture-unit values for various plumbing fixtures. For fixtures not listed, the code will show a fixture-unit value based on the fixture outlet size or trap size (see Sizing Table).

SIZING TABLE		
Fixture-Equipment Drain Outlet or Trap Size (Inches)	Drainage Fixture-Unit Value	Drainage G.P.M. Equivalent
1-1/4	1	7.5
1-1/2	2	15.0
2	3	22.5
2-1/2	4	30.0
3	5	37.5
4	6	45.0

NOTE: This sizing method can be used for most standard applications requiring grease interceptors. For special equipment or unusual applications, contact your local JOSAM representative for sizing assistance.

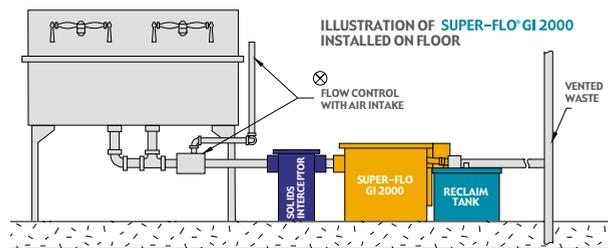
The total fixture unit value of the fixtures serviced by a grease trap will determine the volume requirement of the system. Each fixture unit is equivalent to 7.5 G.P.M. For example, suppose a dual compartment sink is the only fixture to be serviced by a SUPER-FLO® GI 2000 (see illustration). Each 1-1/2" outlet is equal to 2 fixture-units or 15.0 G.P.M. (see Sizing Table) for a total of 30 G.P.M. Once the volume requirement has been determined, use the GRD Selection Table to choose the proper size interceptor to handle the flow. For our example, the best interceptor for 30 G.P.M. is the SUPER-FLO® GI 2000 model 60307 which is rated for 35 G.P.M. A 4" horizontal drain line is required for connection to the interceptor.

A properly sized flow control fitting, solids interceptor and grease reclaim tank, (also shown in the illustration) are furnished with each interceptor to assure peak performance and efficiency.

Model	Flow Rate (GPM)	Grease (Lbs.)	Inlet Size
60305A	20	40	3"
60306A	25	50	4"
60307A	35	70	4"
60308A	50	100	4"
60309A	75	150	4"
60310A	100	200	4"
60311A	150	300	4"
60312A	200	400	5"
60313A	250	500	5"
60314A	350	700	6"
60315A	500	1000	6"

60306A through 60310A are normally in stock. Other sizes are made to order.

### THE TYPICAL INSTALLATION INCLUDES THE FOLLOWING:



### GI 2000 Automatic Grease Recovery Device

#### Solids Interceptor

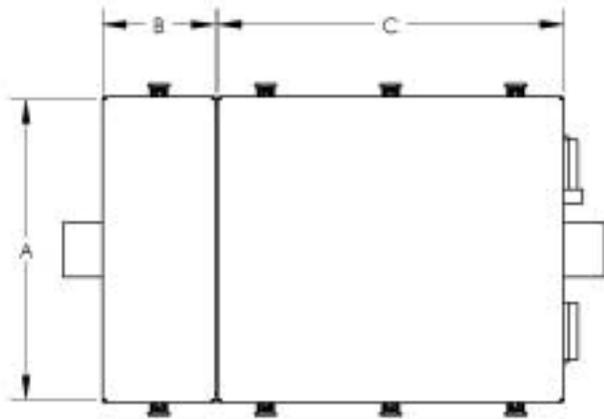
Prevents solid waste materials, food, paper and other foreign matter from obstructing the recycling process and contaminating the grease in the GI 2000.

#### Reclaim Tank

Receptacle tank for grease extraction and retention from the GI 2000.

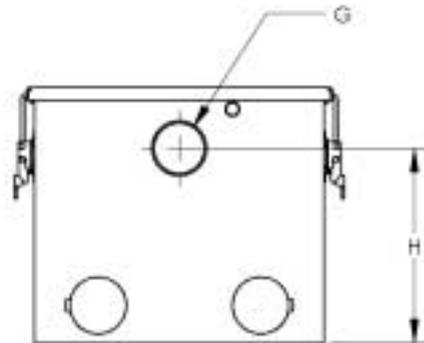
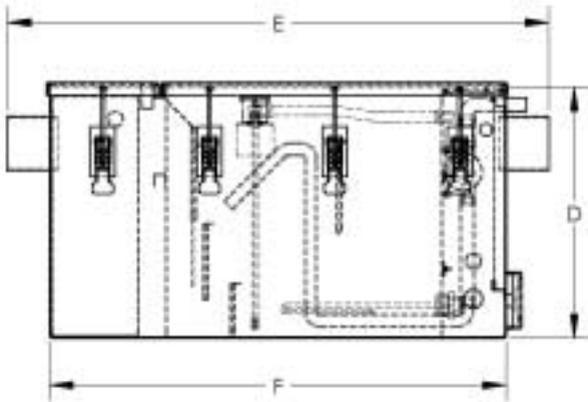
#### Flow Control Fitting

This device governs the flow rate into the interceptor, thereby assuring the maximum retention of the waste being intercepted.



Model	Flow Rate (GPM)	Grease (LBS)	A	B	C	D	E	F	G	H
60305A	20	40	24.00	9.00	16.00	17.38	32.00	25.25	3.00	13.00
60306A	25	50	24.00	9.00	16.34	18.50	32.34	25.59	4.00	14.50
60307A	35	70	24.00	9.00	27.83	20.00	43.25	36.50	4.00	15.50
60308A	50	100	25.50	9.00	28.94	22.50	44.94	38.19	4.00	17.50
60309A	75	150	27.25	9.00	43.25	26.00	57.75	52.00	4.00	21.50
60310A	100	200	35.00	9.00	54.00	31.00	70.00	63.25	4.00	23.00
60311A	150	300	39.00	9.00	60.00	37.00	76.00	69.25	4.00	27.00
60312A	200	400	42.00	9.00	67.00	49.00	83.00	76.25	5.00	31.50
60313A	250	500	46.00	9.00	72.00	51.00	88.00	81.25	5.00	35.50
60314A	350	700	52.00	9.00	80.00	55.00	96.00	89.25	6.00	39.50
60315A	500	1000	59.00	9.00	91.00	70.00	107.00	100.25	6.00	43.50

ALL DIMENSIONS ARE NOMINAL VALUES



### SUPER-FLO® GI 2000 OPTIONS

- 19 Fail safe liquid level sensor for reclaim tank
- 21 55 gallon 18 gauge stainless steel grease reclaim drum  
22-1/2" I.D. x 33" I.H.  
Recommended for the 60309 model



Josam Company  
525 West Highway 20  
Michigan City, Indiana 46360  
**1-800-36-JOSAM**  
Fax 1-800-627-0008  
www.JOSAM.com

## PRESERVATION OF A CLEAN ENVIRONMENT IS CRITICAL

Josam has engineered and manufactured a broad range of standard and special interceptors to separate waste material from water. From the experience and knowledge gained through these activities we proudly present the future in state-of-the-art grease recovery and disposal.

# JOSAM



*Remo's Restaurant,  
Idaho Falls, ID  
Installed by  
Nemo's Plumbing, Inc.*

"In my profession as a plumbing contractor in Southeastern Idaho, I have had numerous occasions to install grease traps and interceptors. Therefore, I have done extensive research for my customers on the products available on the market. I have found that Josam, by far, sells the best grease trap, whether it be a manual clean, draw-off or automatic.

Based on my experience, the GI 2000 is the most efficient, economical and cleanest product available to eliminate the build up of grease in sewer lines.

I have also found in my sewer and drain cleaning business that customers require very little maintenance after installation of the GI 2000.

Josam has left no stone unturned to make the best product with their GI 2000."

Don Kunz  
Nemo's Plumbing, Inc.  
Apollo Drain and Rooter Service, Inc.

## SUPER-FLO® GI 2000 Grease Recovery Device