



ROCKFORD SEPARATORS

With separation as its sole business, Rockford Sanitary Systems has supplied quality separation systems to the

plumbing industry for over 35 years. More than 26 varieties in over 200 available sizes are engineered and custom-built in the USA for job-site specific applications and installed wherever

separation systems are required. These include industrial plants, office buildings, multi-unit apartments, restaurants, food-processing plants, laundromats, health centers, retail and service centers.

Rockford Separators are used in separating and retaining numerous wastes: grease, oil, fuel, fats, lint, hair, soap residue, food solids, chemicals, sediment, solid waste, sand, gravel, sludge, plaster, precious metals, glass chips and grindings, fibrous materials, metal chips, and waxes.



Architects, engineers, building officials, health agencies, plumbing contractors, and other specifiers have come to rely

on Rockford for the utmost in quality, precision engineering and quick turnaround time.

The principle behind a Rockford Separator follows nature's own law of gravity in separating

lighter-than-water waste matter from heavier-than-water waste, retaining both in the separator. Clogged drain lines are virtually eliminated due to the unique, yet simple design incorporated into Rockford Separators: there is no straight in-and-out travel of waste water from the inlet to the outlet; instead, separator screens and a removable filter screen prevent grease, oil, and other wastes from entering the sewage system.

**Quality Separation
Systems for over
35 years.**

The family of Rockford Separators includes:

- **G SERIES** Designed to protect drainage systems from grease stoppages and costly maintenance of rodding waste lines. Variations include: the **G-LO SERIES LOW-INLET MODELS** (for use on fixtures with a low waste outlet), the **G-C SERIES** (designed to fit into the small spaces of complete kitchen units), and the **G-FM FILTER MEDIUM** (for separating small particles such as plaster, hair, etc.).
- **GF SERIES** Flush-with-floor grease units including the **GF-LO SERIES** for use with low roughing-in of flush-with-floor and the **GFE SERIES** (extended units) for flush-with-floor installation when a deeper invert is needed.
- **RTO SERIES** (3 outlet locations provided).
- **GIS SERIES** To separate and retain greasy commercial and industrial wastes and prevent entry into drainage system.
 - **GPS SERIES** For use in equipment discharging excessive amounts of grease and greasy wastes.
 - **GSC SERIES** Steel in concrete for exterior installation to receive grease and greasy wastes from multiple fixtures.
 - **RP SERIES** Grease Interceptor and **RPS SERIES** Solid Grease Interceptor.
 - **RPD SERIES** Semi-automatic Draw-off Grease Interceptor.
 - **R-POLY SERIES** Polyethylene PDI listed Grease Interceptor.
 - **R-AGRU SERIES** Automatic Grease Recovery Unit.
- **OS/OST SERIES** Oil Separators including the **OS SERIES** (for use in projects requiring the retention and safe disposal of oil and other volatile liquids), and the **OST SERIES** (with integral storage compartment).
- **ST SERIES** Underground Steel Storage Tank.
- **RHS SERIES** Helicopter Port Fuel Interceptor.
 - **RLS SERIES** For use in receiving waste coming from clothes washers and commercial laundromats.
- **GSS SERIES** Sediment Separator for use in mechanical washing facilities for vehicles.
 - **SD SERIES** Separator Drain for use in garage and industrial floor drainage.
 - **RSD SERIES** Garage Drain for use in garage structures and parking concourses to prevent any floor waste from entering the drainage system.
- **RTD SERIES** Medium-Duty Trench Drains.
- **GTD SERIES** Heavy-Duty Trench Drains.

ROCKFORD SEPARATORS

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SEPARATORS/INTERCEPTORS MAY BE CLASSIFIED FOR TWO TYPES OF OPERATIONS

1. Intermittent Flow
2. Continuous Flow

Intermittent flow operation is usually batch dumping, or periodic use for short periods.

Continuous flow operation is usually associated with manufacturing operations as in product processing installations. This type of separator/interceptor is usually large, either constructed of fabricated metal or poured-in-place concrete. The retaining of large amounts of solids is normally associated with this type and must be taken into account in the design of such separators/interceptors. The removal of accumulated grease and solids must also be considered in the design and installation.

Besides grease, separators/interceptors may be employed in separating and retaining numerous other wastes, such as precious metals, glass chips and grindings, fibrous materials, metal chips, waxes, plaster, hair and lint, and others too numerous to mention. In many instances, the product recovered by the separator/interceptor more than pays for itself in salvage value. Also, the prevention of clogged drain lines and the constant cost of rodding are eliminated. However, a simple means of removing these solids must be incorporated in the design of the separator/interceptor. Operation is based on grease tending to separate from water at low velocities of flow; grease rises to the surface because of its low specific gravity, while water is discharged to the drainage system.

An effective separator/interceptor must have a large enough cross-section so that the velocity of the flow through it does not exceed the velocity at which the grease will separate. The flow of waste water must be evenly distributed over the cross-section so that the maximum allowable velocity will not be exceeded at any point.

In designing drains and fixtures, present day methods produce high rates of flow. Ordinances have been revised to require larger drain lines, and fixtures are designed to be "quick discharging," expediting the removal of wastes and preventing stoppages.

When entering a separator/interceptor in small amounts at low rates of flow, grease is easily retained. Difficulties occur in fixtures capable of discharging at high rates. However, a separator/interceptor must be capable of efficiently handling the maximum discharge rate of the fixture which it serves.

When it is desirable to reduce the rate of flow to the separator/interceptor, it should be done at the fixture outlet, rather than at the separator/interceptor inlet.

Considerable velocity is attained in the drain line, depending on the length of the vertical and/or horizontal run and other hydraulic conditions. When the inlet is restricted, the waste water is jetted into the separator/interceptor at high velocity. Since the velocity in the separator/interceptor must be low, there must be a great reduction of velocity at the inlet. This can be done by increasing the size of the inlet or by an internal inlet baffle. The entrance velocity is more easily controlled when the inlet is low.

Some separators/interceptors direct the flow entirely towards the bottom. The objection to this is that high velocities continue into the separator/interceptor when they should be checked at the inlet. Short circuiting is produced when water is allowed to pass under the inlet baffle, and along the bottom of the separator/interceptor, directly to the outlet at a velocity too high to permit grease separation. This undesirable condition is encountered when the evacuation and/or ejection of solids from the separator/interceptor is attempted along with grease separation.

Directing channels, by inducing tortuous flows, confine the area of flow to a smaller cross-section of water, thereby maintaining high velocities for evacuation and/or ejection of solids. This defeats the purpose of the separator/interceptor.

ENGINEERING SERVICE

Plumbing installations are becoming increasingly complicated with the variety of fixtures and appliances on the market. It is, therefore, impossible to make exact recommendations to fit each job, but we can recommend or design the right separator or drain for any job if you will send us a sketch of the present drainage layout, the number and type of fixtures to be served, G.P.M. flow, and peak load for a 24-hour period.

USE OUR ENGINEERING SERVICE FOR:

- by-product recovery
- canneries
- commercial laundry
- flotation of emulsified grease and oil
- food-processing plants
- high-rise buildings
- hospital kitchens
- industrial waste pre-treatment
- large restaurants
- manufacturing plants
- special waste-processing projects

ROCKFORD SEPARATORS

ENGINEERING SERVICE

SPECIAL WASTE CONSIDERATIONS

ROCKFORD SEPARATORS

SPECIAL WASTE CONSIDERATIONS

FILTER MEDIUM

SPECIAL WASTES

- barium
- bristles
- calcimine
- calcium
- carborundum grit
- cotton
- emery
- feathers
- fibers
- gauze
- glass grindings
- hair
- lint
- paraffin
- plaster of Paris
- polishing rouges
- potash
- potato starch
- precious metals
- precious stones
- pumice stone
- rubber grindings
- string
- tobacco snuff
- wax

SPECIAL CONSIDERATIONS

Disposable filter medium separators are available in most of our units. See below.

All separators listed are for intermittent flow periods. For continuous flow separators or for periods of extended flow cycles, consult our engineering department for recommendations.

Do not undersize the separator.

FILTER MEDIUM

Designed for the specific waste material to be retained. Its insertion into the V-filter screen is easy to clean when clogged with suspended matter, and it is simple to replace when necessary with replacement filter screen with factory-installed medium. The **FM Separator** should be cleaned thoroughly and frequently, and it should not be undersized because the filter medium reduces the gallon-per-minute flow of waste water into the unit.

All Rockford Sanitary System Separators can be ordered with a filter medium. Special wastes to be controlled must be specified.

INSTALLATION RECOMMENDATIONS

G-1012-FM

Lavatory in dental office, barber shop, photographic shop, precious metal manufacturing.

G/GF-1412-FM

Lavatory in beauty shop, single-compartment plaster or barium sink in hospital or laboratory, two lavatories in barber shop, arts and crafts room sink in schools.

G/GF-1815-FM

Two-compartment plaster or barium sink in hospital or laboratory, mop sink, two lavatories in beauty shop, lens-grinding machine, up to four lavatories in barber shop, two arts and crafts room sinks.

G/GF-1820-FM

Blueprint machine, paint brush cleaning sink, two lens-grinding machines, up to three lavatories in beauty shop, up to six lavatories in barber shop, up to three arts and crafts room sinks.

G/GF-2420-FM

Small printing plants and photographic laboratories, up to five lavatories in beauty shop, up to ten lavatories in barber shop, up to five arts and crafts room sinks, three lens-grinding machines.

G/GF-2635-FM

Public launderette not exceeding one domestic washing machine, up to six lavatories in beauty shop, up to twelve lavatories in barber shop, up to six arts and crafts room sinks, small glue machines.

G/GF-2824-FM

Up to seven lavatories in beauty shop, up to four lens-grinding machines, up to seven arts and crafts room sinks, 15 lb. per minute potato or vegetable peeler discharging to private disposal system.

G/GF-3050-FM

Up to eight lavatories in beauty shop, up to five lens-grinding machines, up to eight arts and crafts room sinks, 30 lb. per minute potato or vegetable peeler discharging to private disposal system.

G/GF-3224-FM

Public launderette not exceeding two domestic washing machines, up to ten lavatories in beauty shop, up to six lens-grinding machines, bottling plants, electronic arts manufacturing, up to ten arts and crafts room sinks, 50 lb. per minute potato or vegetable peeler discharging to private disposal system.

G/GF-3475-FM

Up to twelve lavatories in beauty shop, up to eight lens-grinding machines, candy and gum manufacturing, up to twelve arts and crafts room sinks, 60 lb. per minute potato or vegetable peeler discharging to private disposal system.

G/GF-3628-FM

Public launderette not exceeding three domestic washing machines, up to sixteen lavatories in beauty shop, up to ten lens-grinding machines, paraffin coating machines in wax paper and carton manufacturing, up to sixteen arts and crafts room sinks, 70 lb. per minute potato or vegetable peeler discharging to private disposal system.

NOTE: These recommendations may be used as a general guide, but the scope of the operation to be served determines the right size Rockford Separator for a specific job. Our Engineering Department will be pleased to assist you in your selection if you will give us the details of the installation.

HOW TO ORDER

Specify waste material to be filtered and retained, G.P.M. flow, and the unit number suffix with code, **FM**.

Allow headroom to lift out both screens for cleaning.

ROCKFORD SEPARATORS

GREASE SEPARATORS

GENERAL INFORMATION

A grease separator is a device designed and installed in the drain line to separate and retain various destructive, hazardous and other undesirable matter from water-borne waste so that they may be periodically removed; thus preventing their passage into the drainage system. Preventing grease from entering the sewer system (which results in clogging of laterals, mains and disposal difficulties at treatment plants) can be accomplished by the installation of efficient grease separators at the source of the grease.

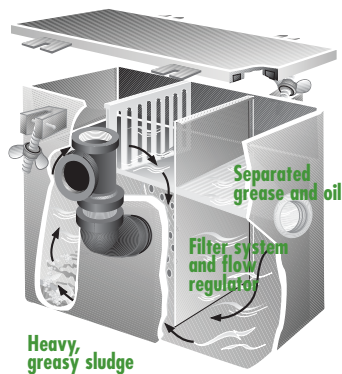
Some major points where greases enter the sewer system are:

1. Restaurants, cafeterias, hotels, hospitals and establishments with kitchen facilities.
2. Drains from soup kettles, stock kettles, meat, fish or fowl preparation in commercial facilities.
3. Animal slaughtering facilities, fowl, fish or meat packing establishments.

When grease in large quantities enters the drainage system, it often causes clogging of house or building drains and sewers, resulting in poor fixture operation and the possibility of basement flooding during peak flows. Cleaning of such drains and sewers is inconvenient and expensive.

Large quantities of grease in sewage constitute serious nuisances and cause many difficulties in sewage treatment and disposal. Grease-laden wastes mix with cold sewage in the mains, causing the grease to congeal and adhere to the solids. By the time the sewage has reached the treatment plant, a thorough mixing of grease and solids has occurred. Since bacterial action on grease is slow, it does not decompose readily and is carried through the plant, affecting the operations at many points, depending on the type of treatment.

Small amounts of grease adhering to grit and to the heaviest solids are removed in the grit chambers, where the sewage enters the disposal plant. Some plants have special separators designed to remove grease by flotation, separating it from solids by injecting air into the sewage, but this is only partially effective.



In settling basins used for the removal of solids, the greatest difficulty with grease is encountered. Some solids are carried to the top of the grease and decompose in contact with the air, giving off disagreeable odors. Others are held in suspension by the grease and are carried beyond the settling basins. Grease is also carried down with heavy solids to the bottom, thereby retarding normal bacterial action. When entering the digestion

tanks, rising grease forms a scum on the surface, retarding the liberation of gases formed by digestion.

Grease is especially objectionable in trickling filters since spray nozzles can become coated with grease and result in uneven distribution on the filter beds. Filter material can become clogged and must be more frequently replaced. Heavily coated filter material considerably reduces efficiency. "Grease balls" are formed in activated sludge plants, carried through the plant, and must be removed in the final settling tanks as aeration causes grease to rise and floating scum to form.

Separators fall into two basic categories:

1. Gravity Type
2. Mechanical Type

SEPARATORS MAY BE CLASSIFIED FOR TWO TYPES OF OPERATIONS

1. Intermittent Flow
2. Continuous Flow

Intermittent flow operation is usually batch dumping, or periodic use for short periods.

The following information has been prepared as a guide for architects, building department officials, engineers, health agencies, plumbing contractors, and others concerned with high standards of sanitation and construction.

ROCKFORD SEPARATORS

GREASE SEPARATORS

GENERAL INFORMATION

Continuous flow operation is usually associated with manufacturing operations as in product processing installations. This type of separator is usually large, either constructed of fabricated metal or poured-in-place concrete. The retaining of large amounts of solids is normally associated with this type and must be taken into account in the design of such separators. The removal of accumulated grease and solids must also be considered in the design and installation.

Besides grease, separators may be employed in separating and retaining numerous other wastes, such as precious metals, glass chips and grindings, fibrous materials, metal chips, waxes, plaster, hair and lint, and others too numerous to mention. In many instances, the product recovered by the separator more than pays for itself in salvage value. Also, the prevention of clogged drain lines and the constant cost of rodding are eliminated. However, a simple means of removing these solids must be incorporated in the design of the separator. Operation is based on grease tending to separate from water at low velocities of flow; grease rises to the surface because of its low specific gravity, while water is discharged to the drainage system.

An effective separator must have a large enough cross-section so that the velocity of the flow through it does not exceed the velocity at which the grease will separate. The flow of waste water must be evenly distributed over the cross-section so that the maximum allowable velocity will not be exceeded at any point.

In designing drains and fixtures, present day methods produce high rates of flow. Ordinances have been revised to require larger drain lines, and fixtures are designed to be "quick discharging," expediting the removal of wastes and preventing stoppages.

When entering a separator in small amounts at low rates of flow, grease is easily retained. Difficulties occur in fixtures capable of discharging at high rates. However, a separator must be capable of efficiently handling the maximum discharge rate of the fixture which it serves.

When it is desirable to reduce the rate of flow to the separator, it should be done at the fixture outlet, rather than at the separator inlet.

Considerable velocity is attained in the drain line, depending on the length of the vertical and/or horizontal run and other hydraulic conditions. When the inlet is restricted, the waste water is jetted into the separator at high velocity. Since the velocity in the separator must be low, there must be a great reduction of velocity at the

inlet. This can be done by increasing the size of the inlet or by an internal inlet baffle. The entrance velocity is more easily controlled when the inlet is low.

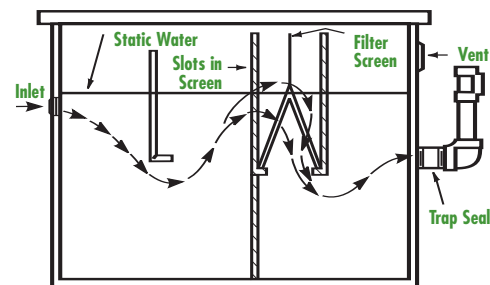
Some separators direct the flow entirely towards the bottom. The objection to this is that high velocities continue into the separator when they should be checked at the inlet. Short circuiting is produced when water is allowed to pass under the inlet baffle, and along the bottom of the separator, directly to the outlet at a velocity too high to permit grease separation. This undesirable condition is encountered when the evacuation and/or ejection of solids from the separator is attempted along with grease separation.

Directing channels, by inducing tortuous flows, confine the area of flow to a smaller cross-section of water, thereby maintaining high velocities for evacuation and/or ejection of solids. This defeats the purpose of the separator.

METHOD OF OPERATION

The exceptionally high efficiency of the Rockford Separator in retaining foreign waste matter in the unit is made possible by its design for maximum water travel through the separator without turbulence and by the filtering action of its screens.

Arrows indicate course of waste water through separator



Note course of water travel in cut-open view. Arrows designate course from inlet, under and through separator screen and flow-regulator filter screen, to outlet. There is no straight in-and-out travel from inlet to outlet. Note also separation and retention, through gravity action, of lighter-than-water matter. The inlet closes when the separator's holding capacity is reached if the unit has been properly sized, installed correctly, and short circuiting devices and methods are not used.

A Rockford Separator has a built-in flow control; it needs no external flow control.

TRAVEL OF WASTE WATER

Although it has the outward appearance of a straight-through unit, there is no straight in-and-out travel of waste water from inlet to outlet, incorporating Rockford Separator standard features in maintaining minimum turbulence, internal flow regulation through its filter screens, and maximum length of water travel.

CONSTRUCTION

The Rockford Separator is built of all-welded heavy gauge steel for maximum structural strength and durability.

Gasketed cover is fastened to unit body by bolt assemblies, cross-tightened by hand to assure leakproof and airtight fit.

The **M** units (straight through) have a non-removable separating screen and one filter screen to regulate flow and filter waste water, making outside flow control or retarder unnecessary. The filter screen lifts out for easy cleaning of separator.

The **L** and **R** units have a removable separating screen (U-shaped) and filter screen (V-shaped) that lift out for easy cleaning of the unit. The slotted wall of the separator screen faces away from the inlet.

The outlet is separated from main body of the unit (accepted by all plumbing codes). This provides an outside visible trap seal which protects against entry of sewer air. Outlet may be vented off vertical rise on tee or off horizontal run from unit. Standard tapped inlet and outlet are furnished.

COR-TEN® INFORMATION

Cor-Ten® high-strength, low carbon steel with its high strength and outstanding resistance to atmospheric corrosion is available where maintenance cost savings are prime considerations. Even in an unpainted condition, Cor-Ten® has a tightly adherent oxide surface which stops further oxidation. Painted or coated, this characteristic is further enhanced. The reliability and strength of this material has been proven in many applications, such as railroad cars, bridges and two of the tallest buildings in the world: the John Hancock Building and the Sears Tower in Chicago.

LOCATION OF SEPARATOR

When deciding on the location for the separator, be sure there is headroom to lift out the screens for cleaning; otherwise use flush-with-floor model. Locate separator as close to fixture as possible. Venting is necessary on outlet leg to prevent siphonage. On larger models with internal

rear vent, the separator body must be vented. Comply with local code requirements on all installations of separators.

CLEANING THE SEPARATOR

Many products are sold as aids to seemingly clean grease separators. These include acids and caustics with known hazards in handling, or so-called "miracle enzymes" with limited conditions and special instructions. There are also self-cleaning type separators with complicated operating instructions, as well as solids evacuating type separators with small print stating: "periodically remove accumulated solids."

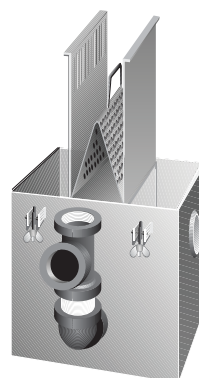
Grease and oil fall into two classifications with different characteristic designations. They are saponifiable or unsaponifiable. The saponifiable materials are those that will combine with caustics to form soap. Mineral or petroleum oils do not possess this characteristic.

Cleaning a grease separator with a caustic material can always be determined after removing the cover: if a large mass of dry hard matter is exposed on the surface — this is soap! A portion of the caustic, along with some grease, passes through the separator and mixes together to form soap, gradually building up and forming an obstruction in the drainage line. Particles of solids evacuated from the separator become part of this mixture and add further complications.

Cover gaskets are necessary to seal against gases and to prevent excessive surges from causing overflows. They must be heavy and elastic enough to give easy sealing.

Covers should be easy to remove. A superior cover bolt is constructed of eye bolts and nuts that swing down to remove the cover. When a separator is set in the floor, a non-ferrous metal bolt should be used (brass bolts are too easily stripped; steel bolts become rust locked).

NOTE: Separators not easily opened for cleaning will not be cleaned regularly.



Allow headroom
for lifting
out screens
for cleaning.

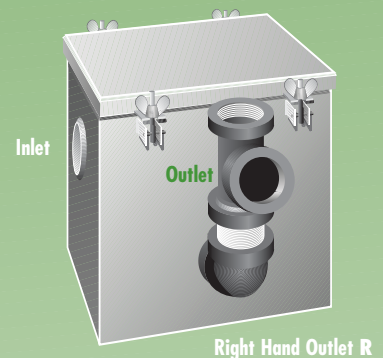
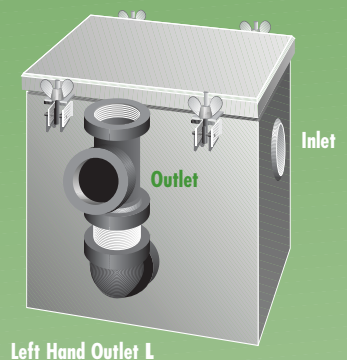
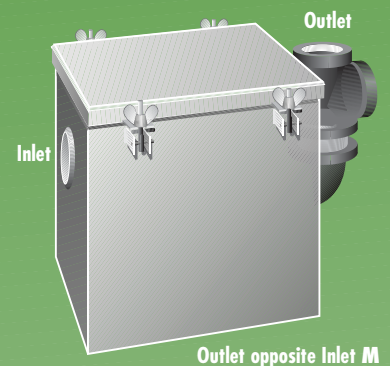
ROCKFORD SEPARATORS

GREASE SEPARATORS

GENERAL INFORMATION

UNITS AVAILABLE WITH **M, L OR R OUTLETS**

*Specify **M** (Outlet opposite Inlet), **L** (Left Hand Outlet), or **R** (Right Hand Outlet) on your order.*



ROCKFORD SEPARATORS

GREASE SEPARATORS

GREASE SEPARATOR SIZING

SIZING FOR COMMERCIAL SINKS

BATCH DUMPING PROCESS

The separator should hold one half of the liquid holding capacity of the sink that it services. To determine the cubic holding capacity of the sink, multiply the Length by the Width by the Depth in inches. Divide this figure by 231 to obtain the liquid holding capacity in Gallons. (Example shown is a single compartment sink. Multiply by the number of compartments to get the total holding capacity.) Use this figure in the chart.

Holding Capacity in Gallons Formula: $\frac{L'' \times W'' \times D''}{231}$

Example:

$$\frac{24'' \times 24'' \times 20''}{231} = \frac{11,520 \text{ cu in}}{231} = 49.87 \text{ Gal}$$

Use **G-2420** or **G-36-10***

G Series are used for on-the-floor installation. Use **GF Series** if a flush-with-floor installation is required.

*Low-Inlet models are recommended when a quick opening drain valve is used on the sink waste, resulting in a low waste outlet from the sink. Use a Low-Inlet model when there is not sufficient room next to the sink, or when it is necessary to place the separator underneath the sink drainboard. On larger model separators, we recommend a flush-with-floor installation in concrete floor construction. For installations in or on the floor below, use the next larger size separator.

Example:

Type of Fixture	2-Compartment Commercial Sink
Maximum Holding Capacity of Fixture	30 gallons
Liquid Holding Capacity and Seal of Separator	17 gallons
Separator Model	G-1820

Example:

Number of Fixtures	3-5
Maximum Holding Capacity of Fixture	110 gallons
Liquid Holding Capacity and Seal of Separator	60 gallons
Separator Model	G-3050
Location	Floor below fixtures

COMMERCIAL FOOD WASTE GRINDER

A grinder with a 1/2 h.p. motor requires a separator with a minimum holding capacity of 50 gallons. This is for a small installation in a restaurant with a seating capacity up to 100 people. For larger grinders with higher h.p. ratings, each additional 1/2 h.p. requires an increase of 20 gallons to the separator. Thus, a 1 h.p. grinder requires a 70 gallon holding capacity, a 1 1/2 h.p. grinder requires a 90 gallon holding capacity, and so on.

DISHWASHER

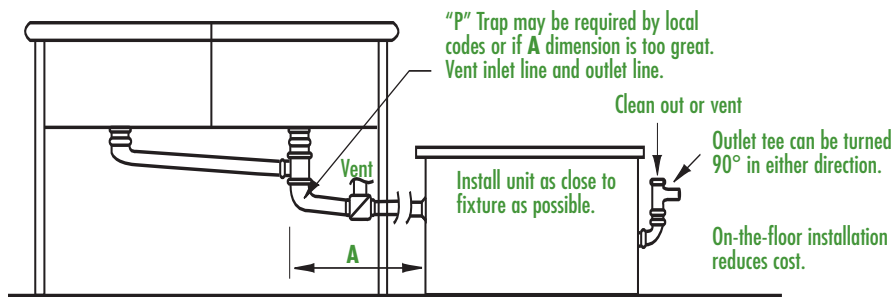
Select a separator with a holding capacity equal to one hour's water consumption. On a dishwasher with three tanks, bypass the final rinse when permitted by code. If the rinse water bypasses the separator, the liquid holding capacity of the separator shall be equal to or greater than the total liquid holding capacity of the dishwasher.

ROCKFORD SEPARATORS

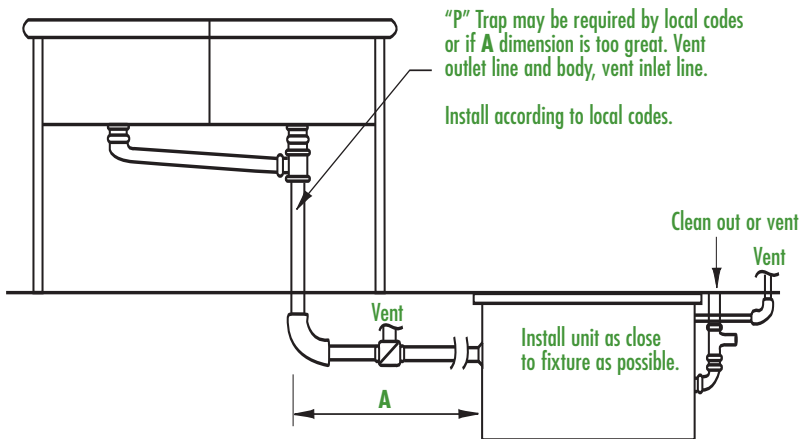
GREASE SEPARATORS

INSTALLATION DIAGRAMS

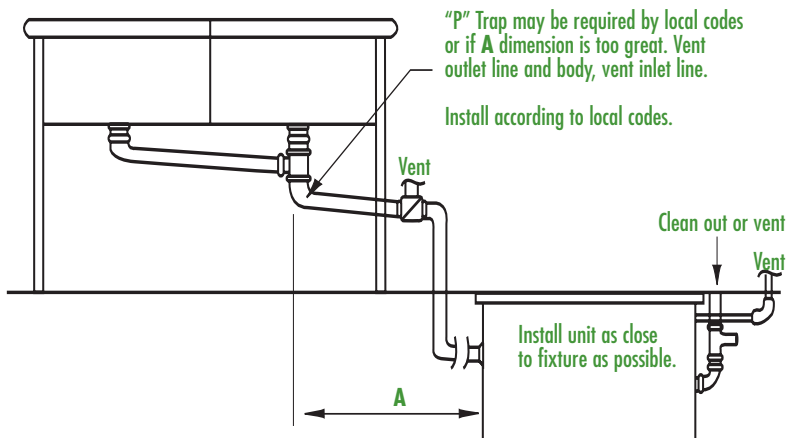
On-the-floor installation – G Series



Flush-with-floor installation – GIS Series with body vent



Flush-with-floor installation – GF & GFE Series with body vent



PIPING DIAGRAM EXAMPLES

Installation must conform to local code. On a dishwasher with three tanks, bypass the final rinse cycle when permitted by code. Allow headroom to lift out both screens for cleaning.

SPECIAL SPECIFICATIONS

Some dishwashers have lower waste openings than illustrated on the separators.

An example is the Blakeslee dishwasher with a 3" center line waste outlet and with the new dry recirculating pump which requires that the static water level in the separator be lower than 9".

We manufacture and stock separators to meet these requirements.

Specify **M** (Outlet opposite Inlet), **L** (Left Hand Outlet), or **R** (Right Hand Outlet) on your order.

Protect waste lines against blocking and stoppages. Select a separator with a gallon-per-minute flow equal to the initial tank discharge capacity. Draw-off valve available. With an internal flow control, an external flow control is not necessary.

ROCKFORD SEPARATORS

CLEANING INSTRUCTIONS

A gradual sluggishness in the draining of the waste water from the fixture is a warning that the separator is ready for cleaning.

With ordinary usage, the intervals between cleaning will be fairly regular.

On a new installation, we suggest that you clean the unit after the second day of usage and then clean it one week later. With this information you should be able to determine your cleaning cycle.

HOW TO CLEAN THE SEPARATOR ALL MODELS

1. Run cold water for a few minutes to congeal grease; turn off water.
2. Loosen or remove attachment bolts, then remove the cover.
3. Scoop out grease and oil from the top.
4. Lift out V-shaped filter screen, and U-shaped separator screen (if the unit has a removable separator screen).
5. Scoop out heavy sludge from bottom of unit.
6. Replace all parts removed in number 4.
7. Run water a few minutes to restore trap seal.
8. Check gasket and replace if needed.
See **HOW TO REPLACE A GASKET.**
9. Replace cover and cross-tighten attachment bolts.

For a passive grease separator to perform as designed, a strict maintenance schedule must be followed. If adequate maintenance is not performed, excessive grease buildup will occur until water, laden with grease, passes directly through the unit. Therefore, no matter how efficient the design or how proper the installation, these units perform only as well as the maintenance routine allows.

Cleaning and Maintenance Instructions should accompany every separator. It is a good practice to have a copy of the cleaning instructions located near the separator, directing the user on the proper operation/cleaning methods.

Note: Cover gaskets are necessary to seal against gases and to prevent overflows. They must be heavy and elastic enough to give easy sealing.

Separators are not pressure vessels.

Covers should be easily removable. When a separator is set in the floor, stainless steel bolts should be used (brass bolts are too easily stripped; steel bolts become rust locked). **NOTE:** Separators not easily opened for cleaning will not be cleaned regularly.

Many products are sold as aids to seemingly clean grease separators. These include acids and caustics with known hazards in handling, or so-called "miracle enzymes" with limited conditions and special instructions. These type of products are **NOT RECOMMENDED** because of the damage they can do to the separator, as well as the fact that the separator catches the grease at the point of use to be disposed, and not to give the user a vessel to add chemicals into the waste stream.

CLEANING THE FILTER MEDIUM

1. Shake V-shaped filter screen while wet or use hose to loosen fine, suspended waste material.
2. Change filter screen with factory-installed medium as needed.
3. Scoop out grease and oil from the top.

HOW TO REPLACE A GASKET ON-THE-FLOOR, G SERIES:

1. Remove old gasket from groove on underside of cover.
2. Cut four pieces of gasket per cover. Gasket must be cut square and 1-1/2" longer than the required space. Insert the long side first.
3. Insert gasket material evenly, filling in corners completely to assure leakproof and airtight fit.
4. Do not over-tighten the cover — hand tighten only.

FLUSH-WITH-FLOOR, GF and GFE SERIES:

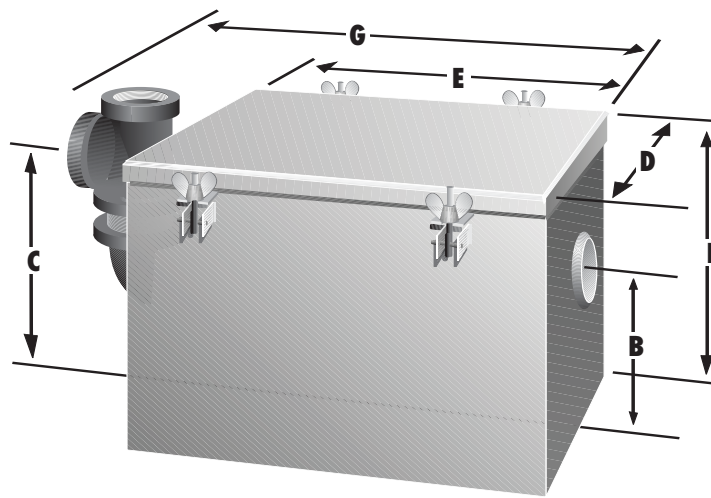
1. Remove old gasket from lip on body of the unit.
2. Cut four pieces of gasket per cover. Gasket must be cut square and 1/4" longer than the required space. Remove protective film to expose adhesive. Insert the long side first: insert ends first and then work from the center outward.
3. Fasten new gasket to lip of unit, shaping openings for stainless steel bolts. Fill corners completely to assure a leakproof and airtight fit.

Factory will supply units strictly to details on wholesaler's purchase order.

G SERIES

GREASE SEPARATORS

FOR ON-THE-FLOOR OR
PARTIALLY RECESSED
INSTALLATION



Model	Intermittent Flow GPM	Tapped Inlet and Outlet	Static Holding Capacity	Greasy Sludge Capacity	Bottom to Center of Inlet B	Bottom to Center of Outlet C	Width D	Length E	Height F	Overall Length (M unit only) G	Shipping Weight
G-710	5	1.5"	1.7gal.	7lb.	5.5"	7.5"	6.75"	9.75"	9"	—	28lb.
G-1012	8	1.5"*	3.5gal.	12lb.	7.63"	9.63"	8.75"	10.75"	11.5"	16.75"	42lb.
G-1412	12	2"	5.3gal.	18lb.	8.38"	10.75"	10.75"	13.25"	12.88"	18.38"	58lb.
G-1815	16	2"	10gal.	60lb.	11"	13.75"	10.75"	19"	15.88"	24"	80lb.
G-1820	20	2"	17gal.	70lb.	12"	15"	14.75"	20.75"	17.88"	25.75"	106lb.
G-2420	30	3"*	31gal.	90lb.	14.5"	17.88"	18.75"	25"	20.63"	32"	165lb.
G-2635	35	3"	40gal.	120lb.	16.5"	21"	18.75"	25"	25.13"	32"	181lb.
G-2824	40	4"	54gal.	180lb.	21.5"	25.75"	20.75"	26.75"	29.38"	36"	248lb.
G-3050	50	4"	60gal.	220lb.	21.5"	25.75"	20.75"	30"	29.88"	39"	295lb.
G-3224	60	4"	67gal.	250lb.	21.5"	25.75"	20.75"	33.5"	29.38"	40"	318lb.
G-3475	75	4"	80gal.	300lb.	22"	26.25"	23.25"	33.5"	30.5"	42"	343lb.
G-3628	100	4"	110gal.	350lb.	22"	26.25"	30.5"	36"	30.13"	45"	418lb.
G-23-L0	16	2"	10gal.	65lb.	6"	8.75"	14.75"	20.75"	10.63"	25.75"	80lb.
G-25-L0	20	2"	21gal.	80lb.	6.5"	10.25"	20.75"	26.75"	13.63"	36"	127lb.
G-30-L0	30	3"*	23gal.	90lb.	6.5"	10.25"	20.75"	30.75"	13.63"	37.75"	163lb.
G-36-L0	35	3"*	28gal.	108lb.	6.5"	10.25"	20.75"	36.75"	13.63"	43.75"	170lb.
G-45-L0	40	3"*	37gal.	200lb.	6.75"	11"	20.75"	45"	16"	52"	257lb.
G-50-L0	50	3"*	41gal.	250lb.	6.75"	11"	20.75"	50"	16"	57"	258lb.

* Also available with 2" inlet and outlet.

- Separators with filter medium can be furnished
- Stainless steel also available.
- Draw-off valve available.
- Allow headroom for lifting out both screens to clean the separator.

Job Specification: Grease separators shall be Rockford Separators as manufactured by Rockford Sanitary Systems, Inc., Rockford, Illinois, and as noted on plans.

Separator Specifications: Furnish _____ Rockford Model **G-**_____ all-welded steel separators for on-the-floor (or partially recessed) installation, _____ g.p.m. intermittent flow, _____" tapped inlet and outlet with outlet vent connection, _____ lb. greasy sludge capacity, visible double-wall outside trap seal, non-removable separator screen with easily removable filter screen, gasketed cover hand-tightened to body with safety-catch bolt assemblies, enamel coating inside and outside.

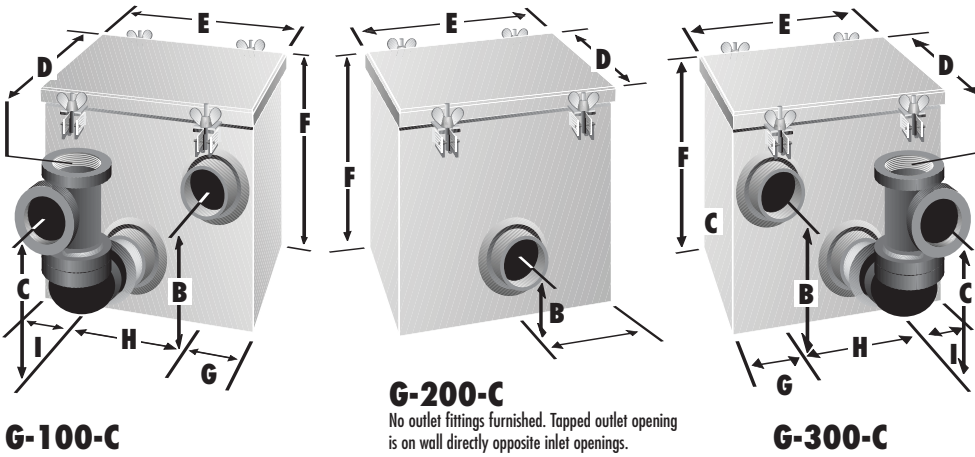
Optional Features: Epoxy coating inside and outside. Sediment basket. Filter medium. All stainless steel construction.

ROCKFORD SEPARATORS

G-C
SERIES

CABINET GREASE SEPARATORS

Designed to fit into the small space of complete kitchen units, including compact sink-range-refrigerator combinations.



G-100-C

G-200-C

No outlet fittings furnished. Tapped outlet opening is on wall directly opposite inlet openings.

G-300-C

Model	Intermittent Flow GPM	Tapped Inlet and Outlet	Static Holding Capacity	Greasy Sludge Capacity	Bottom to Center of Inlet B	Bottom to Center of Outlet C	Width D	Length E	Height F	Side to Inlet G	Inlet to Outlet H	Side to Outlet I	Shipping Weight
G-100-C	4	1.5"	1.7 gal.	7 lb.	5.5"	7.5"	13"	9.75"	9"	1.5"	2.88"	4.63"	28 lb.
G-200-C	4	1.5"	1.7 gal.	7 lb.	3"	5.5"	6.75"	9.75"	9"	4.63"	—	4.63"	24 lb.
G-300-C	4	1.5"	1.7 gal.	7 lb.	5.5"	7.5"	13"	9.75"	9"	1.5"	2.88"	4.63"	28 lb.

Job Specification: Grease separators shall be Rockford Separators as manufactured by Rockford Sanitary Systems, Inc., Rockford, Illinois, and as noted on plans.

Separator Specifications: Furnish _____ Rockford Model G-_____ -C all-welded steel separators for inside cabinet installation, 4 g.p.m. intermittent flow, 1-1/2" tapped inlet and outlet, 6 lb. greasy sludge capacity, visible double-wall outside trap seal, easily removable separator screen and filter screen, gasketed cover hand-tightened to body with safety-catch bolt assemblies, enamel coating inside and outside.

Optional Features: Epoxy coated. All stainless steel.

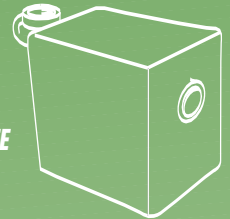
NECESSARY CLEARANCES

Model	Clearance Needed to Remove Screens for Cleaning			Bottom of Unit to Center of Outlet
	M	L (Left Hand)	R (Right Hand)	
G-100-C	N/A	5"		7.5"
G-200-C	7"			5.5"
G-300-C	N/A		5"	7.5"
G-710	7"	5"	5"	7.5"
G-1012	10"	6.5"	6.5"	9.63"
G-1412	12"	8.25"	8.25"	10.75"
G-1815	8.25"	8.25"	8.25"	13.75"
G-1820	7"	7"	7"	15"
G-2420	11.5"	11.5"	11.5"	17.88"
G-2635	11.5"	11.5"	11.5"	21"
G-2824	14"	14"	14"	25.75"
G-3050	14"	14"	14"	25.75"
G-3224	14"	14"	14"	25.75"
G-3475	14"	14"	14"	26.25"
G-3628	14"	14"	14"	26.25"
G-23-L0	7"	7"	7"	8.75"
G-25-L0	9"	9"	9"	10.25"
G-30-L0	9"	9"	9"	10.25"
G-36-L0	9"	9"	9"	10.25"
G-45-L0	9"	9"	9"	11"
G-50-L0	9"	9"	9"	11"

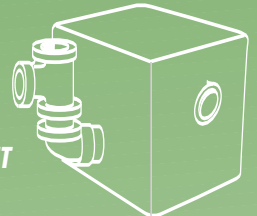
Clearance on M style units can be reduced by ordering specially fabricated screens P.O.A.

OUTLET LOCATION CHOICES

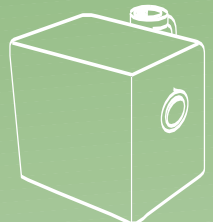
M –
OUTLET
OPPOSITE
INLET



L –
LEFT
HAND
OUTLET



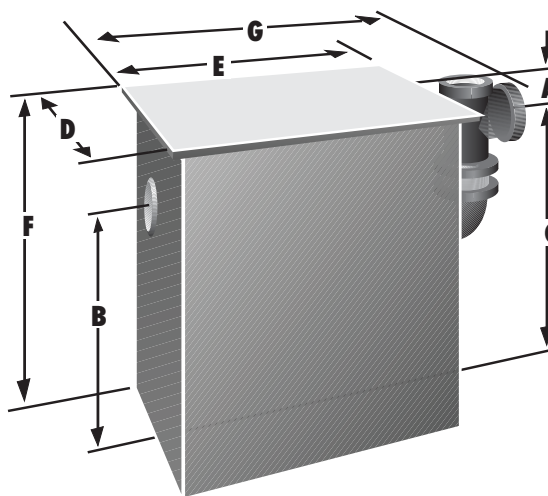
R –
RIGHT
HAND
OUTLET



GF SERIES

GREASE SEPARATORS

FOR FLUSH-WITH-FLOOR
INSTALLATION



Model	Intermittent Flow GPM	Tapped Inlet and Outlet	Static Holding Capacity	Greasy Sludge Capacity	Top to Center of Outlet A	Bottom to Center of Inlet B	Bottom to Center of Outlet C	Width D	Length E	Height F	Overall Length G	Tapped Internal Vent†	Bottom to Rear Vent†	Shipping Weight
GF-1412	12	2"	5.3gal.	18lb.	2.25"	8.38"	10.75"	13"	15.5"	13"	19.25"	—	—	77lb.
GF-1815	16	2"	10gal.	60lb.	2.5"	11"	13.25"	13"	21.25"	16.25"	26"	—	—	108lb.
GF-1820	20	2"	17gal.	70lb.	2.5"	12"	15"	17"	23"	17.5"	28.75"	—	—	132lb.
GF-2420	30	3"*	31gal.	90lb.	3.13"	14.5"	17.88"	21"	27.25"	21"	34"	—	—	203lb.
GF-2635†	35	3"	40gal.	120lb.	6"	16.5"	21"	21"	27.25"	27"	34"	2"	23.75"	252lb.
GF-2824†	40	4"	54gal.	180lb.	5.25"	21.5"	25.75"	23"	29"	31"	37.75"	2"	27"	304lb.
GF-3050†	50	4"	60gal.	220lb.	5.25"	21.5"	25.75"	23"	32.25"	31"	41"	2"	27"	330lb.
GF-3224†	60	4"	67gal.	250lb.	5.25"	21.5"	25.75"	23"	35.75"	31"	43"	2"	27"	377lb.
GF-3475†	75	4"	80gal.	300lb.	4.75"	22"	26.25"	25.5"	35.75"	31"	44.38"	2"	27"	398lb.
GF-3628†	100	4"	110gal.	350lb.	4.75"	22"	26.25"	32.75"	38.25"	31"	46.63"	2"	27"	507lb.
GF-23-L0	16	2"	10gal.	65lb.	1.25"	6"	8.75"	17"	23"	10.63"	28.75"	—	—	111lb.
GF-25-L0	20	2"	21gal.	80lb.	3"	6.5"	10.25"	23"	29"	13.25"	33.75"	—	—	186lb.
GF-30-L0	30	3"*	23gal.	90lb.	3"	6.5"	10.25"	23"	33"	13.25"	39.75"	—	—	195lb.
GF-36-L0	35	3"*	28gal.	108lb.	3"	6.5"	10.25"	23"	39"	13.25"	45.75"	—	—	257lb.
GF-45-L0†	40	3"*	37gal.	200lb.	5"	6.75"	11"	23"	47.25"	16"	54"	2"	12.5"	325lb.
GF-50-L0†	50	3"*	41gal.	250lb.	5"	6.75"	11"	23"	52.25"	16"	59"	2"	12.5"	341lb.

† Anchor flange requires 3" extension.

* Also available with 2" inlet and outlet.

+ Internal vent connection is located on outlet wall, right-hand side of the outlet.

Job Specification: Grease separators shall be Rockford Separators as manufactured by Rockford Sanitary Systems, Inc., Rockford, Illinois, and as noted on plans.

Separator Specifications: Furnish _____ Rockford Model **GF-** _____ all-welded steel separators with integral extension of _____ " to grade, _____ g.p.m. intermittent flow, _____ " tapped inlet and outlet with outlet vent connection, 2" tapped internal rear vent connection, _____ lb. greasy sludge capacity, visible double-wall outside trap seal, non-removable separator screen and easily removable filter screen, removable 3/8" nonskid diamond treadplate cover for flush-with-floor installation suitable for pedestrian traffic and secured with stainless steel flat head screws, OPEX® Shop Coat coating inside, bituminous coating outside. Specify **R** (right hand) or **L** (left hand).

Optional Features: Concrete anchor flange with or without clamping ring, hub inlet and outlet connections, acid-resistant coating inside and outside. Epoxy coated. Filter medium, sediment basket. All stainless steel.

GF SERIES

GREASE SEPARATORS

WITH INTEGRAL EXTENSIONS FOR
FLUSH-WITH-FLOOR INSTALLATION

Single-unit construction.

CONSTRUCTION

A compact, one-piece separator with integral extension built to exact requirements. The built-in strength of solid walls eliminates leaks caused by vibration and traffic in bolted down extensions.

Constructed of all-welded heavy gauge steel with corrosion-resistant coating, the separator features a removable nonskid flush-with-floor cover of heavy steel plate with leakproof and airtight gaskets, secured to the body of the unit with recessed stainless steel bolts, a removable separator screen and flow-regulator filter screen, a standard tapped inlet and outlet, and protective seal outlet. Concrete reinforcing anchor rings are optional.

Choice of outlet location saves space, labor, pipe and fittings. Outlet tee can be turned up to 90 degrees in

either direction. Depth of inlet and outlet varies. Refer to dimensions on **GF Series – Page.14.**

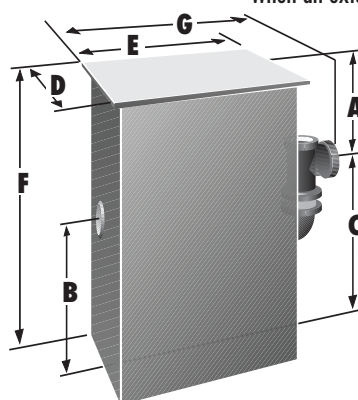
HOW TO ORDER

When an extension is needed to meet roughing-in on a flush-with-floor installation, select the separator of the right size and capacity. Then determine the required dimension **A** from the center of the outlet to the top of cover, and order accordingly. Dimension **A** is variable and can be specified to a fraction of an inch.

The inlet opening is lower than the outlet opening to assure a wet inlet at all times. All

separators with extensions have flush-with-floor covers.

NOTE: If dimension of extension A is not correct at Point of Order, built-on extensions available, priced on application.



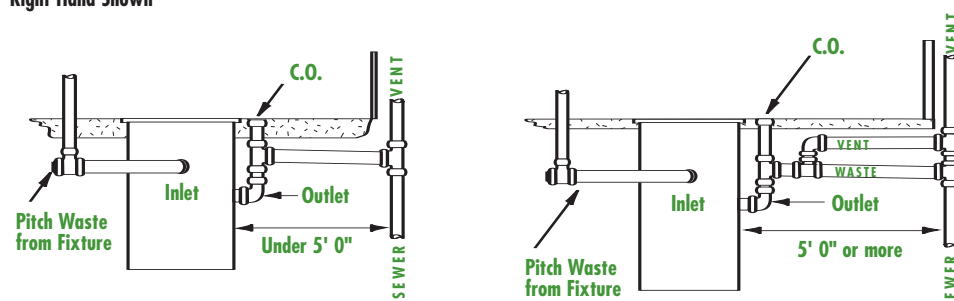
SCREEN CLEARANCE

Model	Clearance Needed to Remove Screens for Cleaning M	L (Left Hand)	R (Right Hand)	Bottom of Unit to Center of Outlet
1412	12"	8.25"	8.25"	10.75"
1815	7"	8.25"	8.25"	13.75"
1820	7"	7"	7"	15"
2420	8"	11.5"	11.5"	17.88"
2635	8"	11.5"	11.5"	20.75"
2824	9"	14"	14"	25.75"
3050	9"	14"	14"	25.75"
3224	9"	14"	14"	25.75"
3475	12"	14"	14"	26.25"
3628	12"	14"	14"	26.25"
23-L0	7"	7"	7"	8.75"
25-L0	9"	9"	9"	10.25"
30-L0	9"	9"	9"	10.25"
36-L0	9"	9"	9"	10.25"
45-L0	9"	9"	9"	11"
50-L0	9"	9"	9"	11"

Specify **M** (Outlet opposite Inlet), **L** (Left Hand Outlet), or **R** (Right Hand Outlet) on your order (Refer to Page.7).

TYPICAL INSTALLATIONS OF SEPARATORS SET FLUSH-WITH-FLOOR

Right Hand Shown

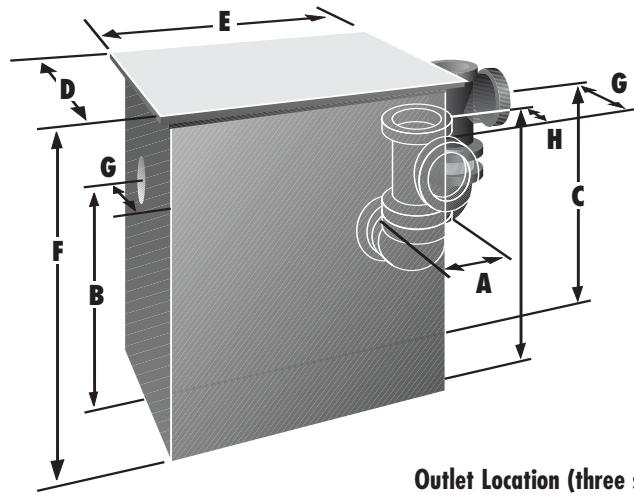


RTO SERIES

TRIPLE OUTLET GREASE SEPARATORS

FOR ON-THE-FLOOR OR
FLUSH-WITH-FLOOR APPLICATIONS

Provided with three outlet locations
(M, L, R) for ease of installation.



Outlet Location (three sides – M, L, R)

Model	Intermittent Flow GPM	Tapped Inlet and Outlet	Static Holding Capacity	Greasy Sludge Capacity	End to Opt. Outlet A	Bottom to Center of Inlet B	Bottom to Center of Outlet C	Width D	Length E	Height F	Front to Inlet/Outlet G	Front to Vent Center H	Bottom to Vent Center I	Shipping Weight
RTO-5	5	1.5"	1.7gal.	7lb.	N/A	5.5"	7.5"	9"	12"	9"	4.5"	N/A	N/A	21lb.
RTO-8	8	1.5"	3.5gal.	12lb.	3.38"	7.63"	9.63"	11"	13"	11.5"	5.5"	N/A	N/A	35lb.
RTO-12	12	2"	5.3gal.	18lb.	3.63"	8.38"	10.75"	13"	15.5"	13"	6.5"	N/A	N/A	50lb.
RTO-16	16	2"	10gal.	60lb.	4.38"	11"	13.75"	13"	21.25"	16.25"	6.5"	N/A	N/A	70lb.
RTO-20	20	2"	17gal.	70lb.	4.63"	12"	15"	17"	23"	17.5"	8.5"	N/A	N/A	92lb.
RTO-30	30	3"	31gal.	90lb.	4.88"	14.5"	17.88"	21"	27.25"	21"	10.5"	N/A	N/A	148lb.
RTO-35	35	3"	40gal.	120lb.	4.88"	16.5"	21"	21"	27.25"	27"	10.5"	5.88"	23.75"	160lb.
RTO-40	40	4"	54gal.	180lb.	7.38"	21.5"	25.75"	23"	29"	31"	11.5"	6.38"	27"	197lb.
RTO-50	50	4"	60gal.	220lb.	7.38"	21.5"	25.75"	23"	32.25"	31"	11.5"	6.38"	27"	216lb.
RTO-60	60	4"	67gal.	250lb.	11.38"	21.5"	25.25"	23"	35.75"	31"	11.5"	6.38"	27"	230lb.
RTO-75	75	4"	80gal.	300lb.	11.38"	22"	26.25"	25.5"	35.75"	31"	12.75"	6.38"	27"	246lb.
RTO-100	100	4"	110gal.	350lb.	11.38"	22"	26.25"	32.75"	38.25"	31"	16.38"	8.38"	27"	290lb.
RTO-16-LO	16	2"	10gal.	65lb.	3.63"	6"	8.75"	17"	23"	10.63"	8.5"	N/A	N/A	73lb.
RTO-20-LO	20	2"	21gal.	80lb.	7.38"	6.5"	10.25"	23"	29"	13.25"	11.5"	N/A	N/A	109lb.
RTO-30-LO	30	3"	23gal.	90lb.	7.38"	6.5"	10.25"	23"	33"	13.25"	11.5"	N/A	N/A	130lb.
RTO-40-LO	40	3"	37gal.	200lb.	11.38"	6.75"	11"	23"	47.25"	16"	11.5"	6.38"	12.5"	173lb.
RTO-50-LO	50	3"	41gal.	250lb.	11.38"	6.75"	11"	23"	52.25"	16"	11.5"	6.38"	12.5"	190lb.

NOTE: All body vents are 2.00" IPS.

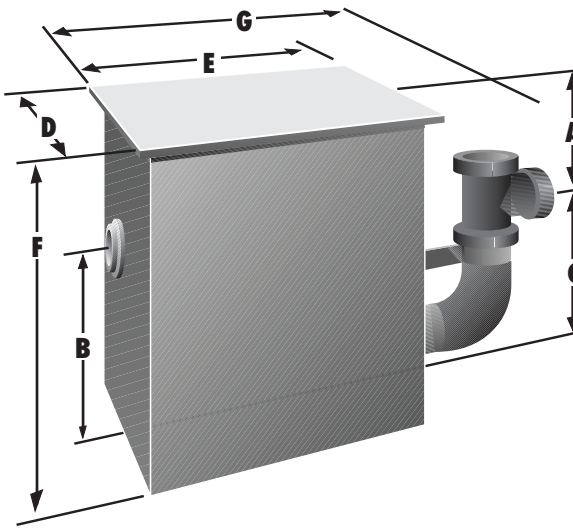
Job Specification: Grease separators shall be Rockford Separators as manufactured by Rockford Sanitary Systems, Inc., Rockford, Illinois, and as noted on plans.

Interceptor Specifications: Furnish _____ Rockford Model **RTO-** _____ all-welded steel separator for on-the-floor, partially recessed, or flush-with-floor installation with _____ g.p.m. intermittent flow and _____ lbs. greasy sludge capacity, visible double-wall outside trap seal, removable filter screen, non-skid gasketed cover suitable for pedestrian traffic and secured with stainless steel bolts, two steel plugs and coated with enamel coating inside and outside.

No Optional Features Available.

GIS SERIES

COMMERCIAL AND
INDUSTRIAL GREASE
SEPARATORS



Model	Intermittent Flow GPM	Tapped Inlet and Outlet	Static Holding Capacity	Greasy Sludge Capacity	Top to Center of Outlet A	Bottom to Center of Inlet B	Center of Outlet C	Width D	Length E	Height F	Overall Length G	Tapped Internal Vent†	Bottom to Internal Vent	Shipping Weight	Number of Covers
GIS-30†	50	3"	65gal.	150lb.	8"	17.75"	22"	25"	35"	30"	44"	3"	26"	450lb.	1
GIS-40†	75	4"	75gal.	180lb.	8"	17.75"	22"	30"	35"	30"	44"	3"	26"	663lb.	1
GIS-50†	100	4"	85gal.	250lb.	8"	17.75"	22"	30"	40"	30"	49"	3"	26"	689lb.	1
GIS-60†	150	4"	150gal.	375lb.	13"	22.5"	27"	36"	45"	40"	59"	3"	34"	1,020lb.	2
GIS-70†	200	• 6"	225gal.	500lb.	14.75"	29"	35.25"	36"	52"	50"	76.63"	3"	44"	1,359lb.	2
GIS-75	225	• 6"	300gal.	550lb.	20.5"	40"	46.5"	36"	52"	67"	76.63"	3"	55"	1,448lb.	2
GIS-80	250	• 6"	400gal.	625lb.	21"	39.5"	46"	42"	61"	67"	85.63"	3"	59"	1,912lb.	2
GIS-85	300	• 6"	500gal.	750lb.	26.75"	33.5"	36.75"	54"	71"	63.5"	92.5"	3"	55"	2,611lb.	2
GIS-90	350	• 6"	600gal.	850lb.	20"	37"	43.5"	54"	71"	63.5"	95.63"	3"	55"	2,611lb.	2
GIS-96	400	• 6"	750gal.	1,000lb.	17"	40"	46.5"	54"	80"	63.5"	104.63"	3"	55"	2,705lb.	3
GIS-100	500	• 6" *	800gal.	1,250lb.	19.5"	40"	46.5"	57"	86"	66"	110.63"	3"	58"	2,994lb.	3
GIS-200	750	• 6" *	1,100gal.	1,500lb.	22.5"	43"	49.5"	57"	115"	72"	139.63"	3"	64"	3,218lb.	4

LARGER UNITS AVAILABLE.

Job Specification: Grease separators shall be Rockford Separators as manufactured by Rockford Sanitary Systems, Inc., Rockford, Illinois, and as noted on plans.

Separator Specifications: Furnish _____ Rockford Model **GIS-**_____ all-welded 1/4" steel separators, _____ g.p.m. intermittent flow, _____" (tapped), (hubbed) inlet and outlet with tapped outlet vent connection, _____" tapped internal vent connection, _____lb. greasy sludge capacity, visible double-wall outside trap seal, non-removable separator screen with easily removable filter screen, removable heavy-duty cover of steel plate for on-the-floor or partially recessed installation, removable 3/8" nonskid diamond treadplate cover(s) for flush-with-floor installation suitable for pedestrian traffic, or reinforced for (light) or (heavy) traffic, secured with stainless steel flat head screws, heavy-duty leakproof gasket, OPEX® Shop Coat coating inside and bituminous coating outside.

Optional Features: Flashing flange with or without clamping ring, filter media, cover(s) with lift handles, integral extension to grade, epoxy coating. All stainless steel. Double-wall construction.

SCREEN CLEARANCE

Model GIS	-30	-40	-50	-60	-70	-75	-80	-85	-90	-96	-100	-200
Number of Covers	1	1	1	2	2	2	2	2	2	3	3	4
Screen Cleaning Clearance	15"	15"	15"	15"	21"	24"	29"	29"	29"	29"	38"	38"

+ Internal vent connection is located on outlet wall, right-hand side of the outlet.

† Anchor flange requires 3" extension.

• 6" & larger – companion flange connection.

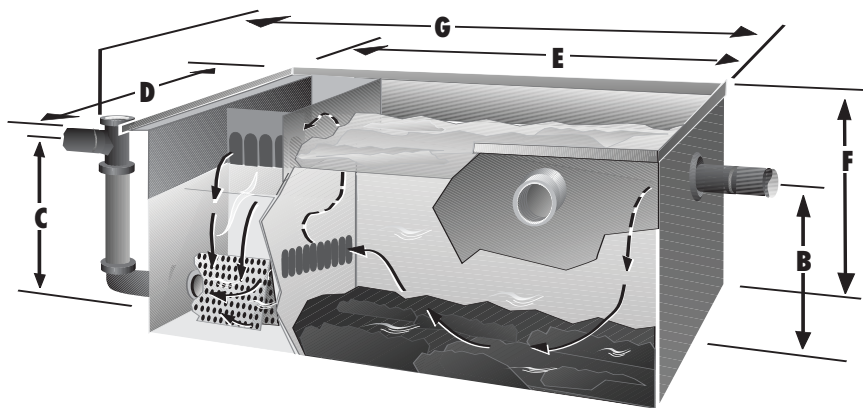
* Also available with 8" or 10" inlet and outlet.

LARGER UNITS AVAILABLE.

Call for specifications.

GPS SERIES

MEAT PACKING AND
FOOD PROCESSING
GREASE SEPARATORS



Model	Intermittent Flow GPM	Tapped Inlet and Outlet	Static Holding Capacity	Greasy Sludge Capacity	Bottom to Center of Inlet B	of Outlet C	Width D	Length E	Overall Height F	Length G	Shipping Weight
GPS.50	25	3"	75gal.	75lb.	12.5"	16"	21"	30"	25"	42"	346lb.
GPS.100	50	3"	150gal.	150lb.	16.5"	20"	33"	44"	30"	56"	660lb.
GPS.200	75	4"	225gal.	225lb.	19.5"	24"	33"	50"	34"	63.75"	790lb.
GPS.300	100	4"	300gal.	300lb.	20"	24.5"	33"	58"	36"	72"	1,020lb.
GPS.400	150	• 6"	450gal.	450lb.	35.5"	42"	39"	60"	55"	88.63"	1,540lb.
GPS.500	200	• 8"	600gal.	600lb.	35.5"	44"	42"	72"	55"	100.50"	1,800lb.
GPS.750	250	• 8"	750gal.	750lb.	35.5"	44"	42"	8'6"	58"	132.63"	2,500lb.
GPS.1000	350	• 8"	900gal.	1,100lb.	35.5"	44"	42"	11'0"	60"	13'6"	2,700lb.
GPS.1500	450	• 10"	1,125gal.	1,500lb.	35.5"	46"	51"	12'0"	61"	14'9"	3,000lb.
GPS.2000	550	• 10"	1,450gal.	2,000lb.	39.5"	50"	51"	12'9"	72"	15'6"	3,200lb.
GPS.2500	750	• 12"	2,550gal.	3,000lb.	39.5"	52"	51"	14'9"	75"	18'0"	3,700lb.
GPS.3000	1,000	• 12"	3,000gal.	4,500lb.	47.5"	60"	51"	21'6"	96"	24'9"	5,500lb.

LARGER UNITS AVAILABLE.

- 6" & larger – companion flange connection

LARGER UNITS AVAILABLE.

Call for specifications.

Job Specification: Grease separators shall be Rockford Separators as manufactured by Rockford Sanitary Systems, Inc., Rockford, Illinois, and as noted on plans.

Separator Specifications: Furnish _____ Rockford Model **GPS-**_____ all-welded 1/4" steel separators for on-the-floor or partially recessed installation, _____ g.p.m. intermittent flow, _____" (tapped) (hubbed) (flanged) inlet and outlet with tapped outlet vent connection, _____ lb. greasy sludge capacity, visible double-wall outside trap seal, double grease draw-off openings, easily removable filter screen, OPEX® Shop Coat coating inside and outside. **Note: No cover provided.**

Optional Features: Lightweight aluminum or steel cover to place over unit when not in use. Can be furnished for aeration.

In meat packing, sausage manufacturing, cooking oil processing, and other industries having excessive amounts of grease in their waste water discharge, it's common to remotely locate an ordinary catch basin and then ignore it. Usually the catch basin is so small that the waste flow forces everything right through it.

With the growing need for pollution abatement, attention has been focused on efficient methods of waste treatment in industries that are overloading the sewer system through inadequate grease removal. The overtaxing of municipal sewage treatment facilities has become a serious problem in many urban communities, and ordinances requiring a reduction in the volume of grease and solids evacuated into municipal sewers are becoming more stringent.

The Rockford **GPS Series** Separator has been designed to help solve these problems. Its inlet compartment is

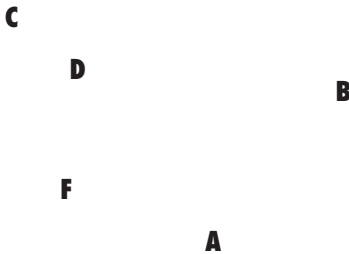
oversized for storing large amounts of waste, and it has two draw-off openings for easy removal of grease. This separator is for inside installation to prevent stoppages and backups in waste lines.

METHOD OF OPERATION

The basic requirement for the efficient retention of large amounts of grease is the absence of turbulence in the movement of waste water in the separator. This is ensured by the oversized inlet compartment for the separation of grease and solids which provides ample space for the storage of large amounts of waste matter. The combination of two separating screens and a flow-regulator filter screen further reduces the turbulence to allow proper separation and prevents the evacuation of solids into the drainage system. The absence of a solids evacuating channel is additional proof of the non-turbulent flow through the separator.

GSC SERIES

PREFABRICATED STEEL ASSEMBLY GREASE SEPARATORS



Cut-away view of the Rockford prefabricated steel internal assembly and covers in a concrete body for large commercial and industrial jobs.

Model	Outlet A	Inside Length B	Inside Width C	Static Water Level*	Liquid Holding Capacity	Number of Covers	Shipping Weight+
GSC-10	4"	9'0"	3'6"	4'6"	1,000gal.	2	1,470-1,700lb.
GSC-15	4"	13'0"	3'6"	4'6"	1,500gal.	3	2,050-2,400lb.
GSC-20	6"	18'0"	3'6"	4'6"	2,000gal.	3	2,100-2,500lb.
GSC-30	6"	20'0"	4'6"	4'6"	3,000gal.	3	2,550-6,550lb.
GSC-40	6"	26'0"	4'6"	4'6"	4,000gal.	3	2,550-6,550lb.
GSC-50	6"	33'0"	4'6"	4'6"	5,000gal.	4	2,900-7,900lb.
GSC-60	6"	40'0"	4'6"	4'6"	6,000gal.	4	3,300-9,300lb.

LARGER UNITS AVAILABLE.

Job Specification: Grease separators shall be constructed of reinforced concrete according to the design, and with pre-fabricated internal parts and covers, as manufactured by Rockford Sanitary Systems, Inc., Rockford, Illinois, and as noted on plans.

Separator Specifications: Furnish, as shown on plans, _____ Rockford Model **GSC-**_____ reinforced concrete separators. Thickness of top, bottom, and sides shall be of _____" reinforced concrete, with _____" reinforcing rods, _____" o.c. both ways, _____" hubbed inlet and outlet with outlet vent connection, _____" internal rear vent connection. Separator screen assembly shall be of 1/4" steel plate construction with removable filter screen and the necessary separator screen support frames. Initial shock plate shall be 1/4" steel plate. Inside dimensions of separator shall be _____' _____" long, _____' _____" wide, and _____' _____" deep, with _____ covers (3/8" nonskid, diamond pattern treadplate, fastened to cover support frames with recessed stainless steel bolts and suitable for pedestrian or light vehicular traffic).

- All supporting frames for separator screen assembly shall be anchored to inside walls of separator by means of 1/2" X 3" concrete anchor bolts. All internal support frames, shock plate, and separator screen assemblies shall be installed before top of separator is poured. All prefabricated assemblies shall have an OPEX® Shop coating. An additional supply of protective coating shall be furnished to the contractor to be applied after installation of parts.
- Cover support frames shall be placed in proper position, and top of separator shall be poured around them. Inside and outside of concrete separator shall receive suitable waterproofing by contractor, and supplied by this manufacturer.

* Static water level is invert of outlet to inside bottom of unit. Minimum dimension 2'6" for invert of inlet and outlet to finished grade. This dimension is determined by grade level or depth of frost line.

+ Weight varies with type of covers used.

- Concrete, rebar, and labor to be supplied by others.
- Concrete thickness to be verified by local engineer.

LARGER UNITS AVAILABLE.

Call for specifications.

GSC SERIES

PREFABRICATED STEEL ASSEMBLY GREASE SEPARATORS

Steel in concrete for exterior installation to receive grease and greasy wastes from multiple fixtures. Specially made to your exact specifications using components of the prefabricated steel assembly. Fittings, bolts, and protective coating are also supplied.



Separator Screen



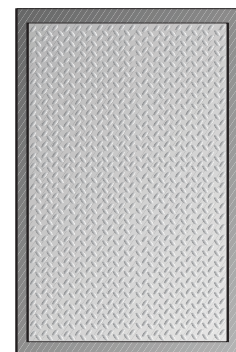
Filter Screen



Shock Plate



Support Frames



Steel Cover

Exterior installation of a "steel in concrete" separator offers several advantages: it saves valuable space within the building and it's environmentally friendly (soil conditions are not affected by the release of salt, alkaline, etc.).

Since the unit is installed underground, no outside space is lost. Cover assemblies can be installed for either pedestrian or light vehicular traffic.

Regular and thorough cleaning assures maximum operating efficiency. **GSC Series** can be furnished with oil draw-offs.

CUSTOM DESIGN

Most construction requirements will be served by the standard sizes of the Rockford **GSC Series** Separators shown in the table — **Page. 19**. The height and width of the static water level in relation to the various listed lengths have been determined by findings from exhaustive research and practical installations. They have proved the most efficient in achieving maximum separation and retention of waste material so that the resultant effluent can safely be discharged into any drainage system, whether private or municipal.

Many variations of these standard **GSC Series** separators are possible to suit troublesome construction needs rather than fit the construction to outmoded types of grease catch basins. We are sure your requirements can be adapted to the proportions of the Rockford design.

INSTALLATION

A blueprint with specifications, detailing the installation procedure for the Rockford prefabricated steel internal parts and covers, is furnished with each order, incorporating the components of the Rockford equipment illustrated and described.

ENGINEERING SERVICE

Assistance from our Engineering Department is available where individual problems exist or large projects or plants require special application.

APPLICATIONS

For exterior installation to receive grease and greasy wastes from multiple fixtures in cafeterias, canneries, catering services, food processing plants, high-rise buildings,

manufacturing plants, meat packing plants, restaurant kitchens, airports, drive-ins, industrial plants, institutions, military installations, schools, and similar projects.

SEPARATOR SCREEN

U-shaped, and constructed of 1/4" steel plate for maximum strength and durability.

FILTER SCREEN

V-shaped, with extension handles, constructed of heavy perforated steel, and easily removable. Placed in separator screen.

SHOCK PLATE

Constructed of 1/4" steel for maximum strength and durability. Fastened to inside wall of separator with 3" anchor bolts.

SUPPORT FRAMES

Constructed of heavy-duty structural angles and secured to inside walls of separator with 3" anchor bolts.

THRU-WALL FITTING

To be imbedded in separator wall and to receive spigot end of outlet elbow.

COATING

All internal parts and covers receive a prime coat of acid-resistant liquid to protect them during transit and construction. A sufficient amount is supplied for a final application on the job by contractor.

INLET AND OUTLET FITTINGS

Cast iron hubbed inlet and outlet fittings designed especially for the **GSC Series** Separator.

COVERS

Standard unit has steel covers. Light-duty, heavy-duty, extra heavy-duty or airport construction; gasketed and bolted to frames with stainless steel bolts.

WATERPROOFING

Sufficient bitumastic coating is supplied to coat the inside of separator. Also, sufficient primer, adhesive, fiber glass matting and finish coating is supplied with all **GSC Series** Separators for application on the job.

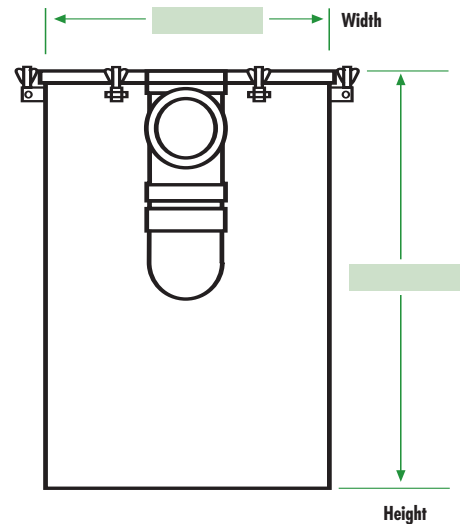
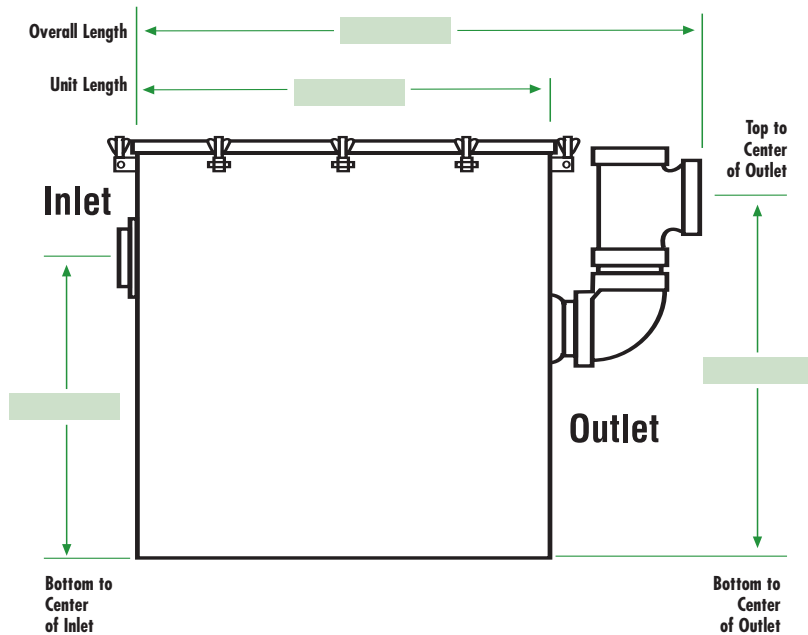
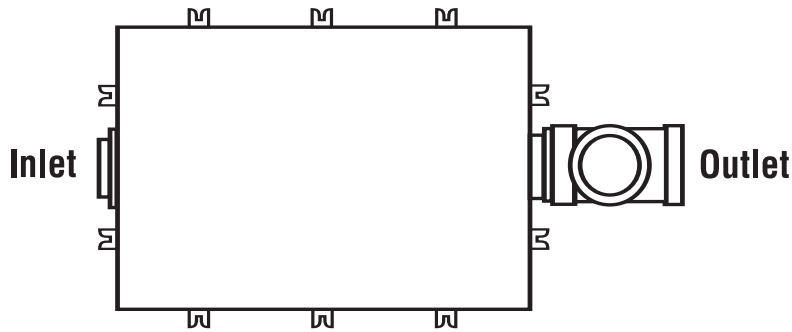
G-M SERIES

SPECIFICATION DRAWINGS

On-the-Floor Grease Separator

Outlet Opposite Inlet

Go to www.rkfdseparators.com for individual unit specification drawings



Specifications: Rockford Model **G-** _____ **-M** all-welded steel separator for on-the-floor installation, _____ gallon static holding capacity, _____ g.p.m. intermittent flow, _____" tapped inlet/outlet with _____ lb. greasy sludge capacity, visible double-wall outside trap seal, non-removable separator screen with easily removable filter screen, gasketed cover hand-tightened to body with safety-catch bolt assemblies, enamel coating inside and outside.

Optional Features (Additional Cost):

- ☐ Filter Medium
- ☐ Epoxy Coating
- ☐ Stainless Steel
- ☐ Sediment Basket
- ☐ Draw-Off Valve

Quote # _____

Job Name _____

Approved by _____

Company _____

Date _____

**Rockford
Separators**

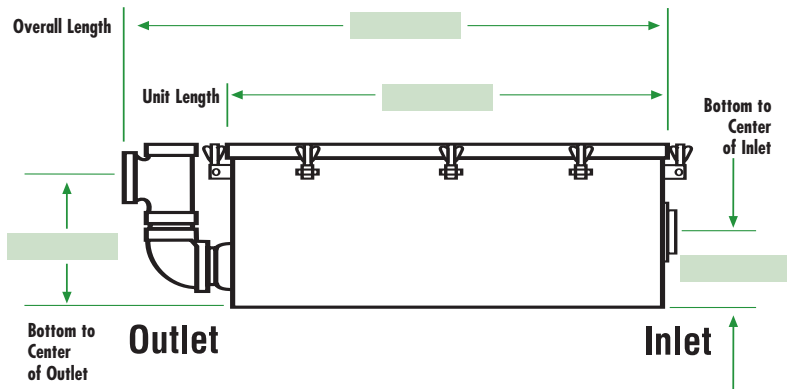
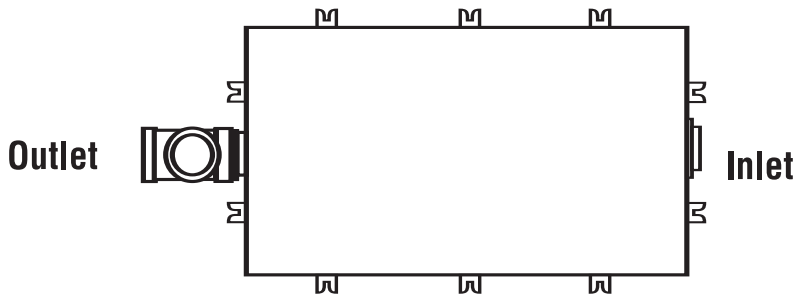
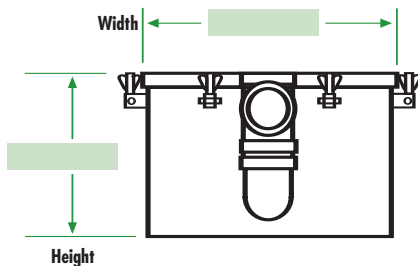
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www.rkfdseparators.com • rssem@rkfdseparators.com

G-LOM SERIES

SPECIFICATION DRAWINGS

Low Rough-In Grease Separator
Outlet Opposite Inlet

Go to www.rkfdseparators.com for
individual unit specification drawings



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Company _____

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Specifications: Rockford Model G- _____ -LOM all-welded steel separator for on-the-floor installation, _____ gallon static holding capacity, _____ g.p.m. intermittent flow, _____" tapped inlet/outlet with _____ lb. greasy sludge capacity, visible double-wall outside trap seal, non-removable separator screen with easily removable filter screen, gasketed cover hand-tightened to body with safety-catch bolt assemblies, enamel coating inside and outside.

Optional Features (Additional Cost):

- ☐ Filter Medium
- ☐ Epoxy Coating
- ☐ Stainless Steel
- ☐ Sediment Basket
- ☐ Draw-Off Valve

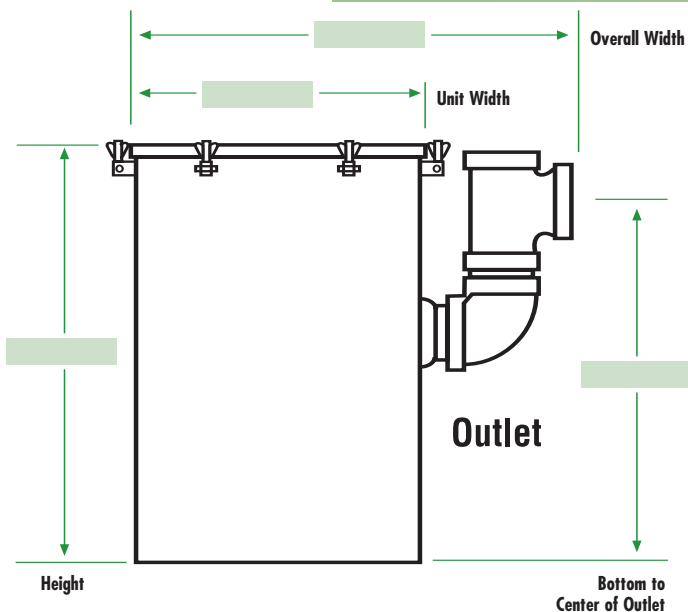
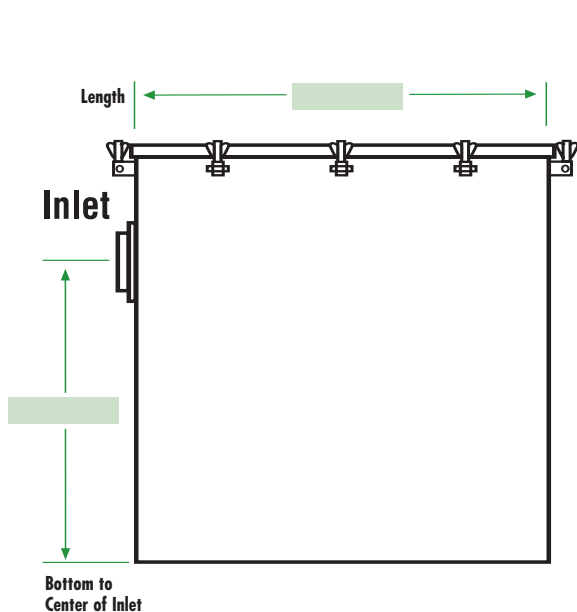
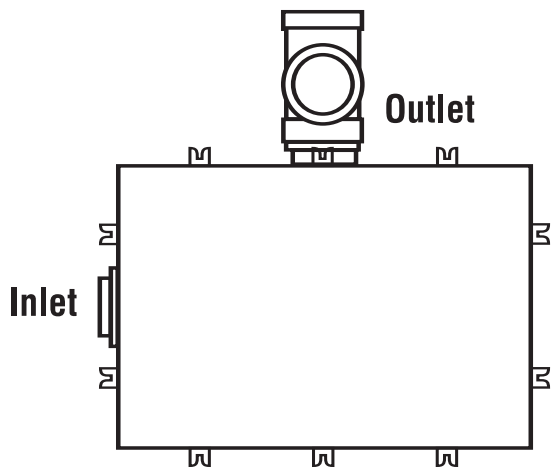
G-L SERIES

SPECIFICATION DRAWINGS

On-the-Floor Grease Separator

Outlet Located LEFT of Inlet

Go to www.rkfdseparators.com for individual unit specification drawings



Specifications: Rockford Model **G- [] -L** all-welded steel separator for on-the-floor installation, [] gallon static holding capacity, [] g.p.m. intermittent flow, []" tapped inlet/outlet with [] lb. greasy sludge capacity, visible double-wall outside trap seal, easily removable separator screen and filter screen, gasketed cover hand-tightened to body with safety-catch bolt assemblies, enamel coating inside and outside.

Optional Features (Additional Cost):

- ☐ Filter Medium
- ☐ Epoxy Coating
- ☐ Stainless Steel
- ☐ Sediment Basket
- ☐ Draw-Off Valve

Quote # _____

Job Name _____

Approved by _____

Company _____

Date _____



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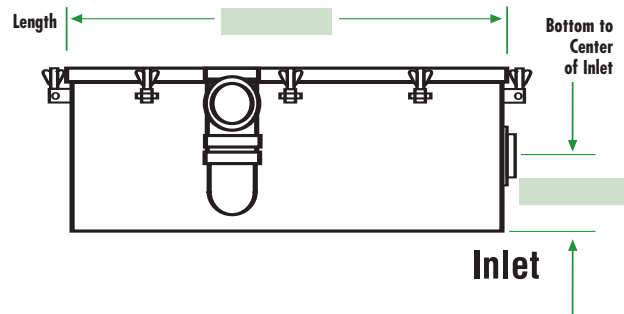
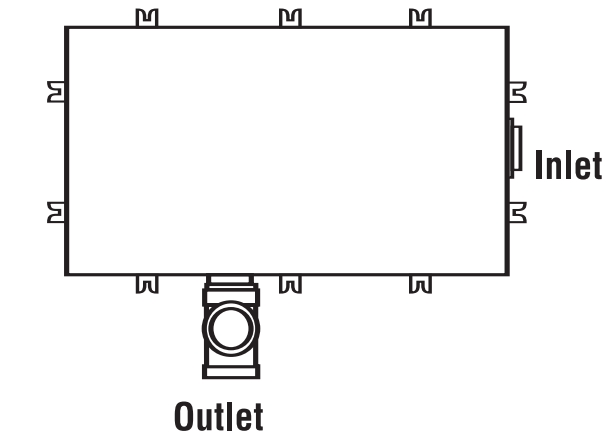
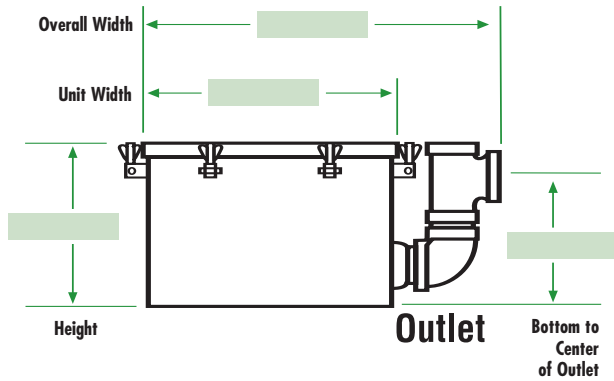
G-LOL SERIES

SPECIFICATION DRAWINGS

Low Rough-In Grease Separator

Outlet Located LEFT of Inlet

Go to www.rkfdseparators.com for individual unit specification drawings



Quote #

Job Name

Approved by

Company

Date



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Specifications: Rockford Model G- -LOL all-welded steel separator for on-the-floor installation, gallon static holding capacity, g.p.m. intermittent flow, " tapped inlet/outlet with lb. greasy sludge capacity, visible double-wall outside trap seal, easily removable separator screen and filter screen, gasketed cover hand-tightened to body with safety-catch bolt assemblies, enamel coating inside and outside.

Optional Features (Additional Cost):

- ☐ Filter Medium
- ☐ Epoxy Coating
- ☐ Stainless Steel
- ☐ Sediment Basket
- ☐ Draw-Off Valve

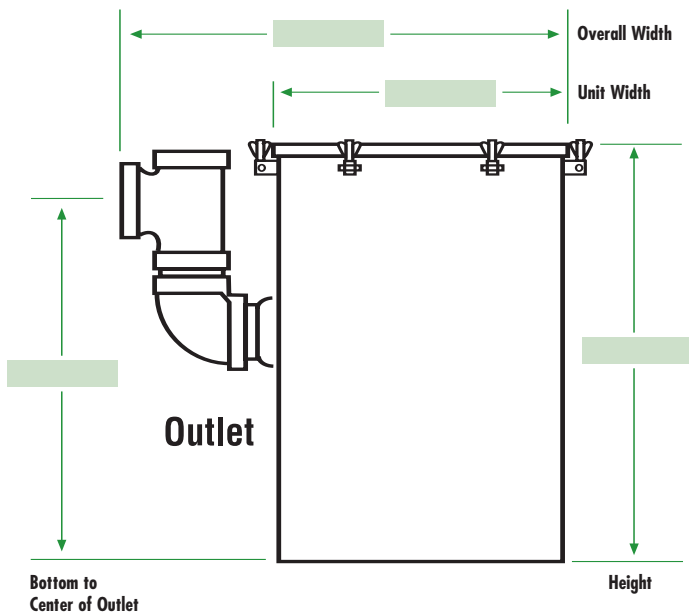
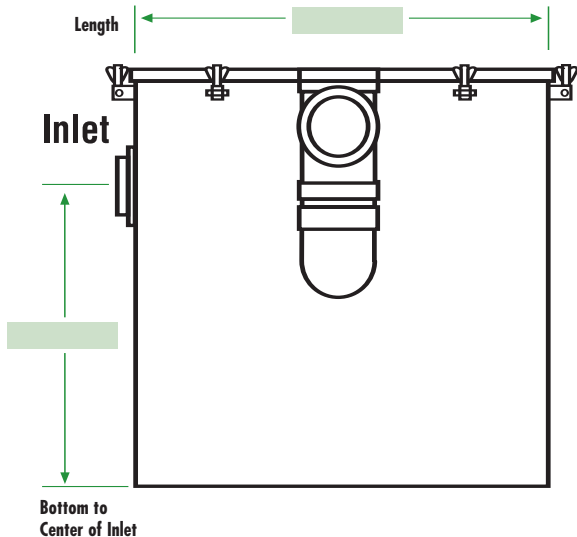
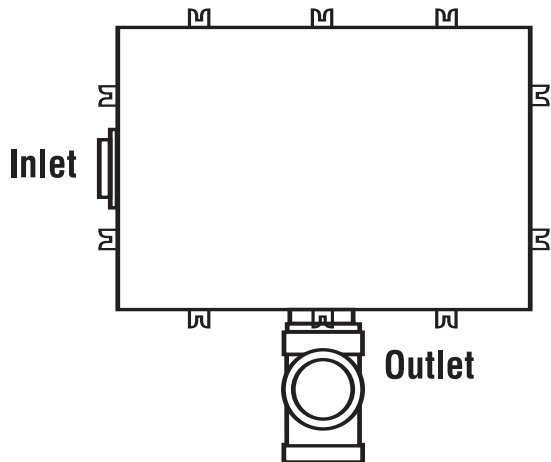
G-R SERIES

SPECIFICATION DRAWINGS

On-the-Floor Grease Separator

Outlet Located RIGHT of Inlet

Go to www.rkfdseparators.com for individual unit specification drawings



Specifications: Rockford Model **G- [] -R** all-welded steel separator for on-the-floor installation, [] gallon static holding capacity, [] g.p.m. intermittent flow, []" tapped inlet/outlet with [] lb. greasy sludge capacity, visible double-wall outside trap seal, easily removable separator screen and filter screen, gasketed cover hand-tightened to body with safety-catch bolt assemblies, enamel coating inside and outside.

Optional Features (Additional Cost):

- ☐ Filter Medium
- ☐ Epoxy Coating
- ☐ Stainless Steel
- ☐ Sediment Basket
- ☐ Draw-Off Valve

Quote # _____

Job Name _____

Approved by _____

Company _____

Date _____



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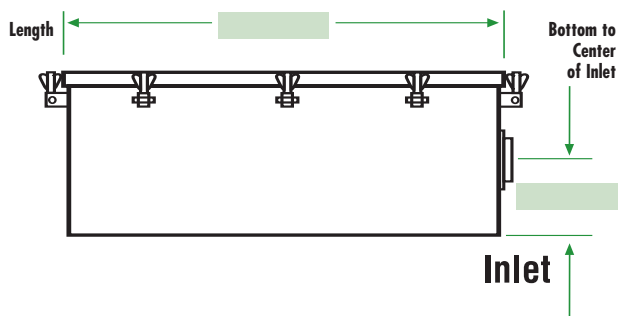
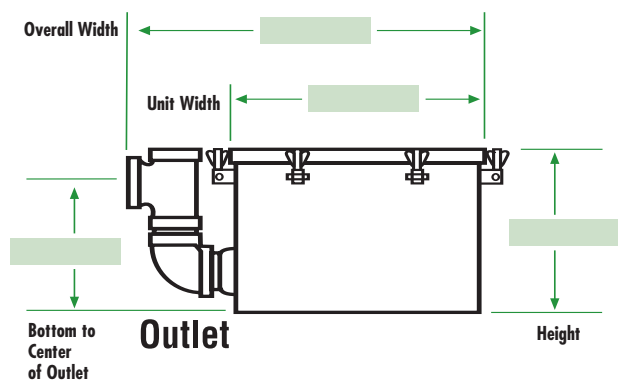
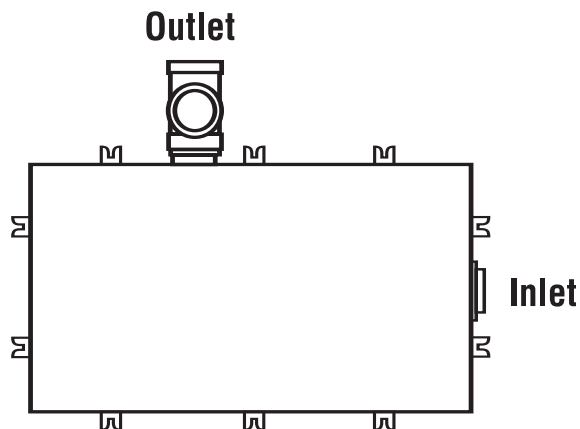
G-LOR SERIES

SPECIFICATION DRAWINGS

Low Rough-In Grease Separator

Outlet Located RIGHT of Inlet

Go to www.rkfdseparators.com for individual unit specification drawings



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Job Name _____

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Company _____

Date _____



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Specifications: Rockford Model **G-_____ -LOR** all-welded steel separator for on-the-floor installation, _____ gallon static holding capacity, _____ g.p.m. intermittent flow, _____" tapped inlet/outlet with _____ lb. greasy sludge capacity, visible double-wall outside trap seal, easily removable separator screen and filter screen, gasketed cover hand-tightened to body with safety-catch bolt assemblies, enamel coating inside and outside.

Optional Features (Additional Cost):

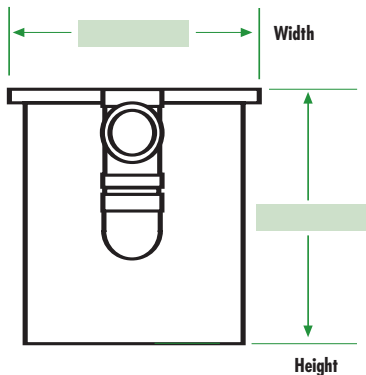
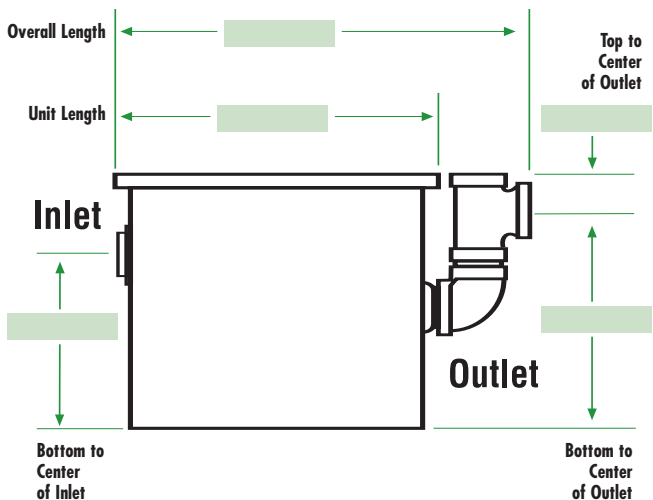
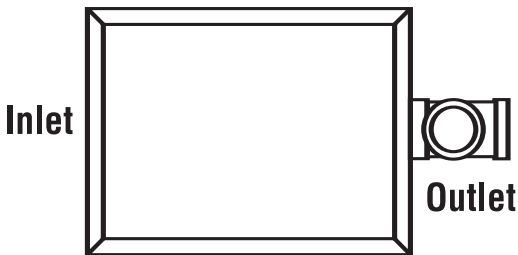
- ☐ Filter Medium
- ☐ Epoxy Coating
- ☐ Stainless Steel
- ☐ Sediment Basket
- ☐ Draw-Off Valve

GF-M SERIES

SPECIFICATION DRAWINGS

*Flush-with-Floor Grease Separator
with 2" Inlet/Outlet
Outlet Opposite Inlet*

Go to www.rkfdseparators.com for individual unit specification drawings



Specifications: Rockford Model **GF-** _____ **-M** all-welded steel separator, _____ gallon static holding capacity, _____ g.p.m. intermittent flow, _____" tapped inlet/outlet with _____ lb. greasy sludge capacity, visible double-wall outside trap seal, non-removable separator screen with easily removable filter screen, removable 3/8" nonskid diamond treadplate cover for flush-with-floor installation suitable for pedestrian traffic secured with stainless steel flat head screws, heavy-duty leakproof gasket, OPEX® Shop Coat coating inside and bituminous coating outside.

Optional Features (Additional Cost):

- | | |
|---|--|
| <input type="checkbox"/> Filter Medium | <input type="checkbox"/> PVC Fittings |
| <input type="checkbox"/> Aluminum Cover | <input type="checkbox"/> Anchor Flange |
| <input type="checkbox"/> Epoxy Coating | <input type="checkbox"/> Stainless Steel Construction |
| <input type="checkbox"/> Hub Inlet & Outlet | <input type="checkbox"/> Anchor Flange & Clamp Ring |
| <input type="checkbox"/> Sediment Basket | <input type="checkbox"/> Extension to Grade _____ Inches |
| <input type="checkbox"/> Copper Fittings | |

Quote # _____

Job Name _____

Approved by _____

Company _____

Date _____



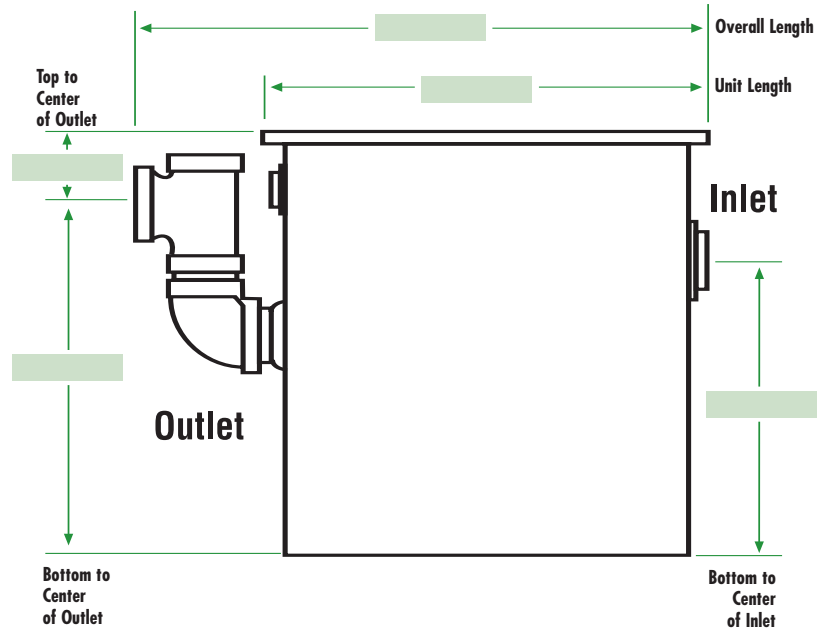
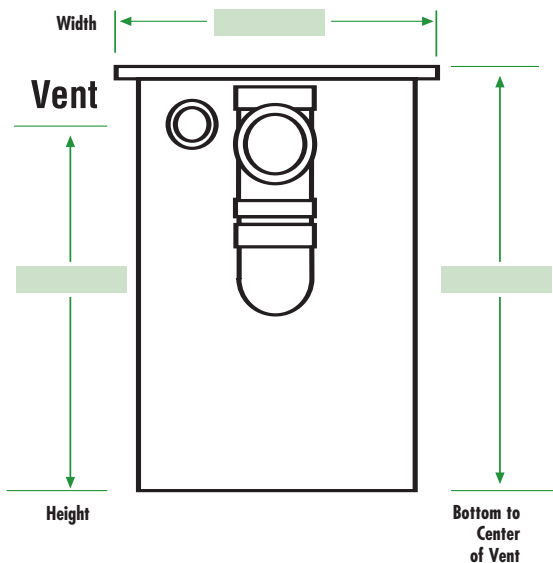
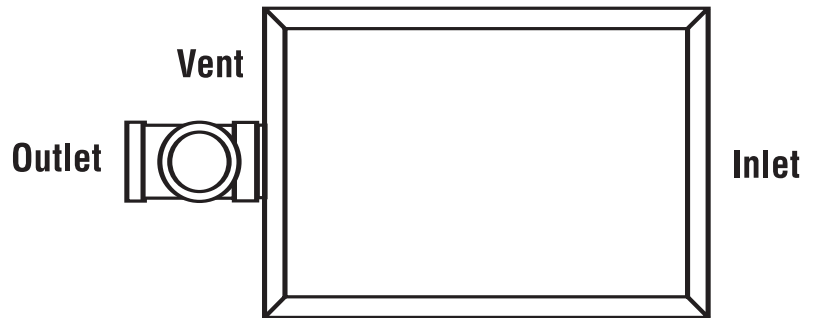
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GF-M SERIES

SPECIFICATION DRAWINGS

Flush-with-Floor Grease Separator
3" and 4" Inlet/Outlet with Body Vent
Outlet Opposite Inlet

Go to www.rkfdseparators.com for individual unit specification drawings



NOTE: Anchor Flange requires minimum 3.00" of extension

Specifications: Rockford Model **GF-** _____ **-M** all-welded steel separator, _____ gallon static holding capacity, _____ g.p.m. intermittent flow, _____" tapped inlet/outlet with outlet vent connection, 2" tapped vent connection, _____ lb. greasy sludge capacity, visible double-wall outside trap seal, easily removable filter screen, removable 3/8" nonskid diamond treadplate cover for flush-with-floor installation suitable for pedestrian traffic secured with stainless steel flat head screws, heavy-duty leakproof gasket, OPEX® Shop Coat coating inside and bituminous coating outside.

Optional Features (Additional Cost):

- | | |
|---|--|
| <input type="checkbox"/> Filter Medium | <input type="checkbox"/> PVC Fittings |
| <input type="checkbox"/> Aluminum Cover | <input type="checkbox"/> Anchor Flange |
| <input type="checkbox"/> Epoxy Coating | <input type="checkbox"/> Stainless Steel Construction |
| <input type="checkbox"/> Hub Inlet & Outlet | <input type="checkbox"/> Anchor Flange & Clamp Ring |
| <input type="checkbox"/> Sediment Basket | <input type="checkbox"/> Extension to Grade _____ Inches |
| <input type="checkbox"/> Copper Fittings | |

Quote # _____

Job Name _____

Approved by _____

Company _____

Date _____



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ROCKFORD SEPARATORS

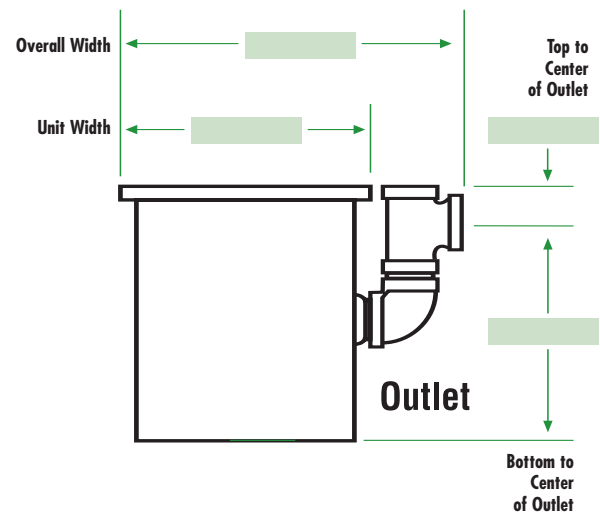
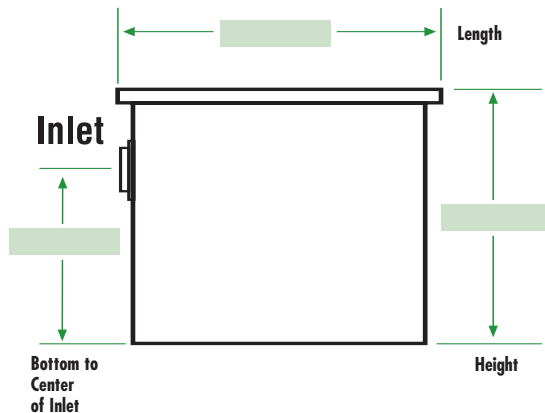
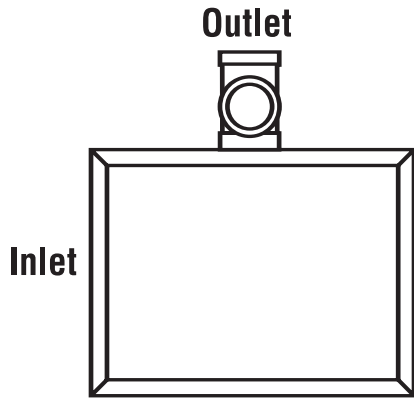
GF-L SERIES

SPECIFICATION DRAWINGS

*Flush-with-Floor Grease Separator
with 2" Inlet/Outlet*

Outlet Located LEFT of Inlet

Go to www.rkfdseparators.com for individual unit specification drawings



Specifications: Rockford Model **GF-** _____ **-L** all-welded steel separator, _____ gallon static holding capacity, _____ g.p.m. intermittent flow, _____" tapped inlet/outlet, _____ lb. greasy sludge capacity, visible double-wall outside trap seal, easily removable separator screen and filter screen, removable 3/8" nonskid diamond treadplate cover for flush-with-floor installation suitable for pedestrian traffic secured with stainless steel flat head screws, heavy-duty leakproof gasket, OPEX® Shop Coat coating inside and bituminous coating outside.

Optional Features (Additional Cost):

- | | |
|---|--|
| <input type="checkbox"/> Filter Medium | <input type="checkbox"/> PVC Fittings |
| <input type="checkbox"/> Aluminum Cover | <input type="checkbox"/> Anchor Flange |
| <input type="checkbox"/> Epoxy Coating | <input type="checkbox"/> Stainless Steel Construction |
| <input type="checkbox"/> Hub Inlet & Outlet | <input type="checkbox"/> Anchor Flange & Clamp Ring |
| <input type="checkbox"/> Sediment Basket | <input type="checkbox"/> Extension to Grade _____ Inches |
| <input type="checkbox"/> Copper Fittings | |

Quote # _____

Job Name _____

Approved by _____

Company _____

Date _____

**Rockford
Separators**

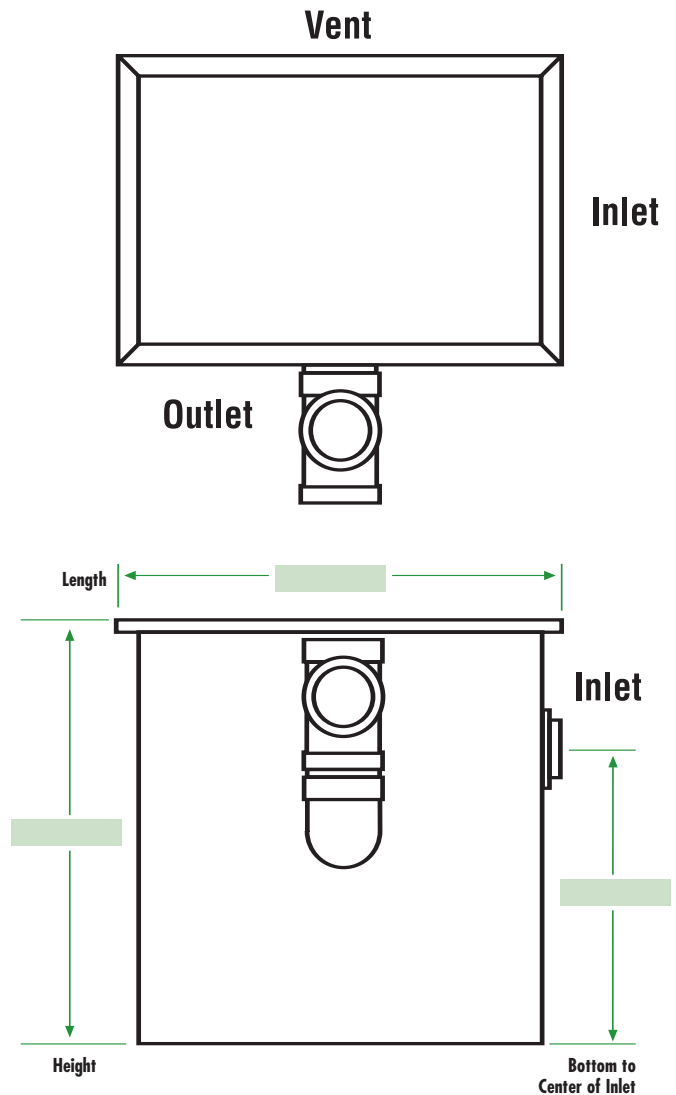
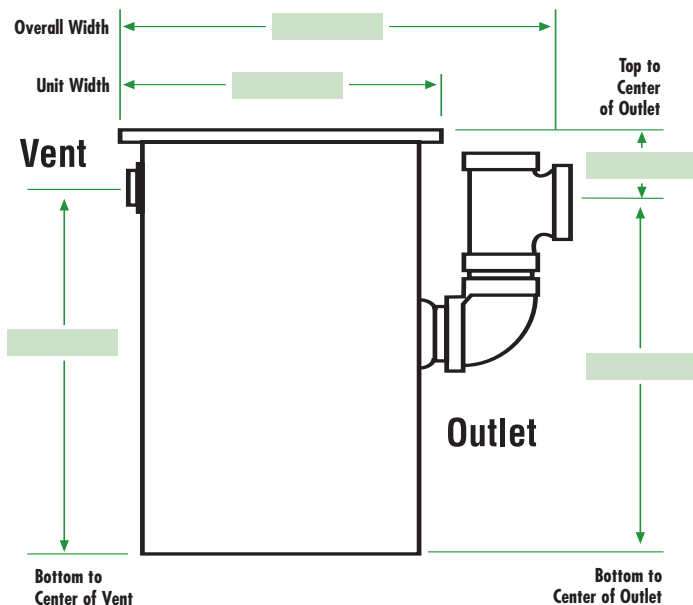
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GF-L SERIES

SPECIFICATION DRAWINGS

Flush-with-Floor Grease Separator
3" and 4" Inlet/Outlet with Body Vent
Outlet Located LEFT of Inlet

Go to www.rkfdseparators.com for individual unit specification drawings



NOTE: Anchor Flange requires minimum 3.00" of extension

Specifications: Rockford Model **GF-** _____ **-L** all-welded steel separator, _____ gallon static holding capacity, _____ g.p.m. intermittent flow, _____" tapped inlet/outlet with outlet vent connection, 2" tapped vent connection, _____ lb. greasy sludge capacity, visible double-wall outside trap seal, easily removable separator screen and filter screen, removable 3/8" nonskid diamond treadplate cover for flush-with-floor installation suitable for pedestrian traffic secured with stainless steel flat head screws, heavy-duty leakproof gasket, OPEX® Shop Coat coating inside and bituminous coating outside.

Optional Features (Additional Cost):

- | | |
|---|--|
| <input type="checkbox"/> Filter Medium | <input type="checkbox"/> PVC Fittings |
| <input type="checkbox"/> Aluminum Cover | <input type="checkbox"/> Anchor Flange |
| <input type="checkbox"/> Epoxy Coating | <input type="checkbox"/> Stainless Steel Construction |
| <input type="checkbox"/> Hub Inlet & Outlet | <input type="checkbox"/> Anchor Flange & Clamp Ring |
| <input type="checkbox"/> Sediment Basket | <input type="checkbox"/> Extension to Grade _____ Inches |
| <input type="checkbox"/> Copper Fittings | |

Quote # _____

Job Name _____

Approved by _____

Company _____

Date _____



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ROCKFORD SEPARATORS

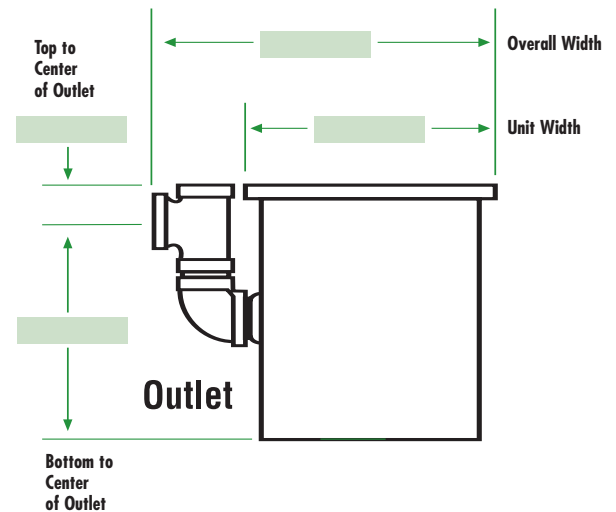
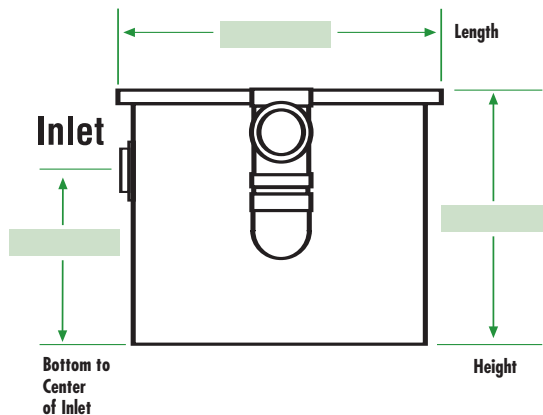
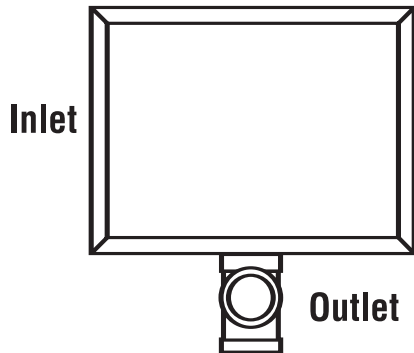
GF-R SERIES

SPECIFICATION DRAWINGS

*Flush-with-Floor Grease Separator
with 2" Inlet/Outlet*

Outlet Located RIGHT of Inlet

Go to www.rkfdseparators.com for individual unit specification drawings



Specifications: Rockford Model **GF-** _____ **-R** all-welded steel separator, _____ gallon static holding capacity, _____ g.p.m. intermittent flow, _____" tapped inlet/outlet, _____ lb. greasy sludge capacity, visible double-wall outside trap seal, easily removable separator screen and filter screen, removable 3/8" nonskid diamond treadplate cover for flush-with-floor installation suitable for pedestrian traffic secured with stainless steel flat head screws, heavy-duty leakproof gasket, OPEX® Shop Coat coating inside and bituminous coating outside.

Optional Features (Additional Cost):

- | | |
|---|--|
| <input type="checkbox"/> Filter Medium | <input type="checkbox"/> PVC Fittings |
| <input type="checkbox"/> Aluminum Cover | <input type="checkbox"/> Anchor Flange |
| <input type="checkbox"/> Epoxy Coating | <input type="checkbox"/> Stainless Steel Construction |
| <input type="checkbox"/> Hub Inlet & Outlet | <input type="checkbox"/> Anchor Flange & Clamp Ring |
| <input type="checkbox"/> Sediment Basket | <input type="checkbox"/> Extension to Grade _____ Inches |
| <input type="checkbox"/> Copper Fittings | |

Quote # _____

Job Name _____

Approved by _____

Company _____

Date _____

**Rockford
Separators**

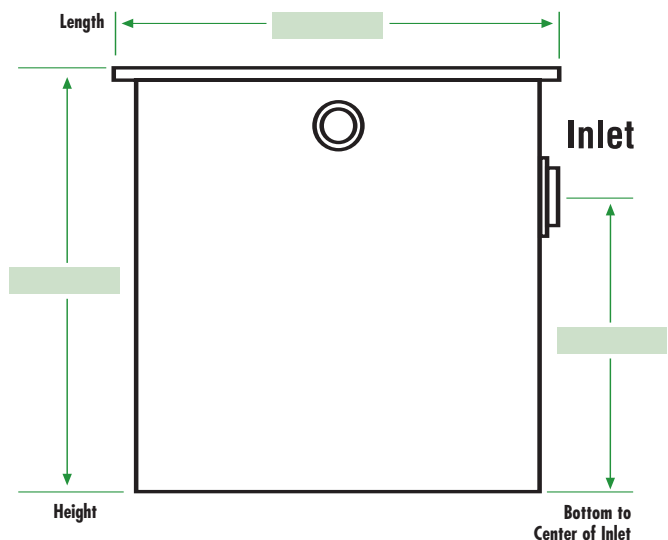
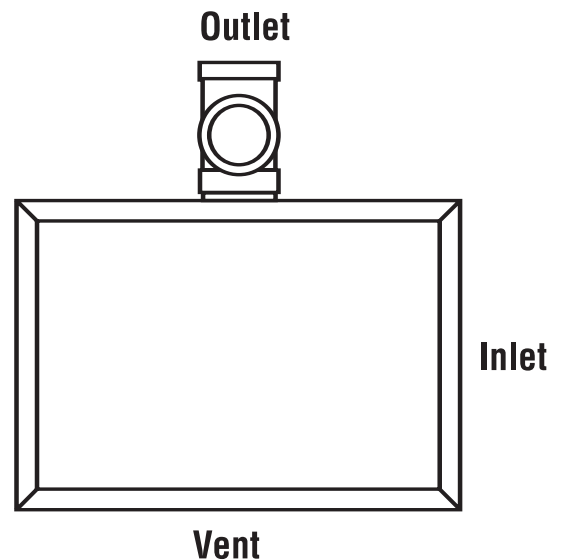
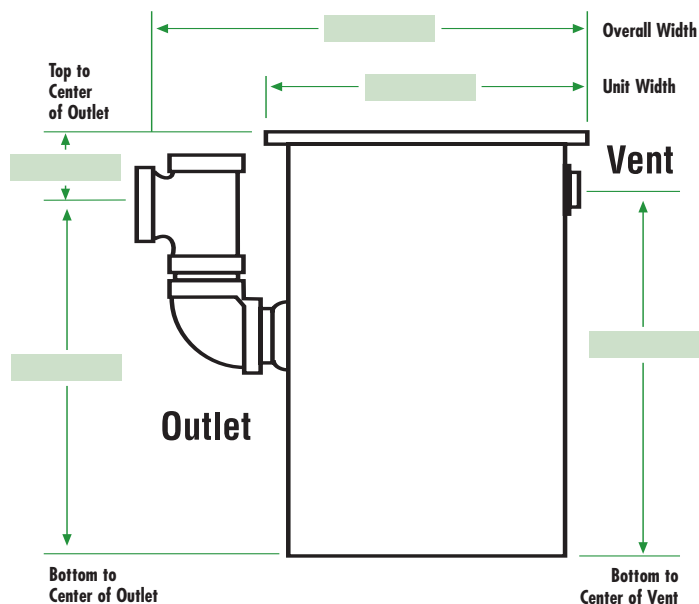
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GF-R SERIES

SPECIFICATION DRAWINGS

Flush-with-Floor Grease Separator
3" and 4" Inlet/Outlet with Body Vent
Outlet Located RIGHT of Inlet

Go to www.rkfdseparators.com for individual unit specification drawings



NOTE: Anchor Flange requires minimum 3.00" of extension

Specifications: Rockford Model **GF-** _____ **-R** all-welded steel separator, _____ gallon static holding capacity, _____ g.p.m. intermittent flow, _____" tapped inlet/outlet with outlet vent connection, 2" tapped vent connection, _____ lb. greasy sludge capacity, visible double-wall outside trap seal, easily removable separator screen and filter screen, removable 3/8" nonskid diamond treadplate cover for flush-with-floor installation suitable for pedestrian traffic secured with stainless steel flat head screws, heavy-duty leakproof gasket, OPEX® Shop Coat coating inside and bituminous coating outside.

Optional Features (Additional Cost):

- | | |
|---|--|
| <input type="checkbox"/> Filter Medium | <input type="checkbox"/> PVC Fittings |
| <input type="checkbox"/> Aluminum Cover | <input type="checkbox"/> Anchor Flange |
| <input type="checkbox"/> Epoxy Coating | <input type="checkbox"/> Stainless Steel Construction |
| <input type="checkbox"/> Hub Inlet & Outlet | <input type="checkbox"/> Anchor Flange & Clamp Ring |
| <input type="checkbox"/> Sediment Basket | <input type="checkbox"/> Extension to Grade _____ Inches |
| <input type="checkbox"/> Copper Fittings | |

Quote # _____

Job Name _____

Approved by _____

Company _____

Date _____



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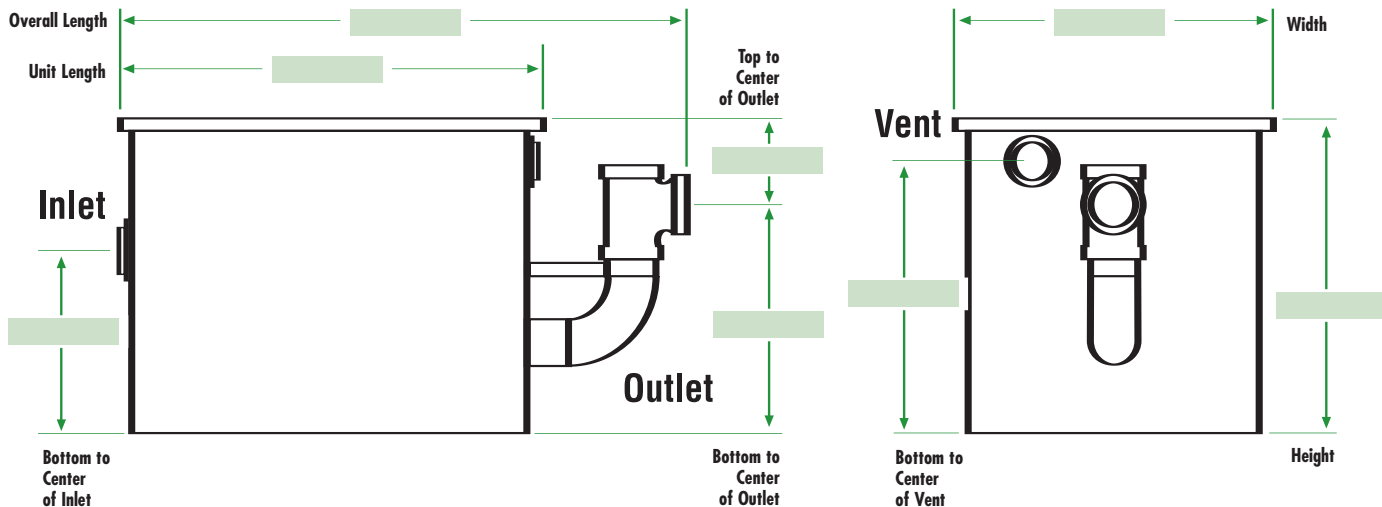
GIS SERIES

SPECIFICATION DRAWINGS

*Commercial and Industrial
Grease Interceptor*

For 3" and 4" Inlet/ Outlet

Go to www.rkfdseparators.com for
individual unit specification drawings



NOTE: Anchor Flange requires minimum 3.00" of extension in GIS-30 through GIS-70.

Specifications: Rockford Model **GIS-** _____ all-welded 1/4" steel separator, _____ gallon static holding capacity, _____ g.p.m. intermittent flow, _____" tapped inlet/ outlet with outlet vent connection, 3" tapped vent connection, _____ lb. greasy sludge capacity, visible double-wall outside trap seal, easily removable separator screen and filter screen, removable 3/8" nonskid diamond treadplate cover(s) for flush-with-floor installation suitable for pedestrian traffic secured with stainless steel flat head screws, heavy-duty leakproof gasket, OPEX® Shop Coat coating inside and bituminous coating outside.

Optional Features (Additional Cost):

- | | |
|--|--|
| <input type="checkbox"/> Anchor Flange | <input type="checkbox"/> Integral Extension _____ Inches |
| <input type="checkbox"/> Clamp Ring | <input type="checkbox"/> Aluminum Cover(s) |
| <input type="checkbox"/> Recessed Lift Handles in Cover(s) | <input type="checkbox"/> Alternate Inlet & Outlet Size _____ Inches |
| <input type="checkbox"/> Epoxy Coating | <input type="checkbox"/> Alternate Vent Connection Size _____ Inches |
| <input type="checkbox"/> Anodes | <input type="checkbox"/> Double-wall Construction |
| <input type="checkbox"/> Reinforced Cover(s) _____ Load | <input type="checkbox"/> Leak Detection |
| <input type="checkbox"/> Stainless Steel Construction | <input type="checkbox"/> Hold Down Pads |

Quote # _____

Job Name _____

Approved by _____

Company _____

Date _____



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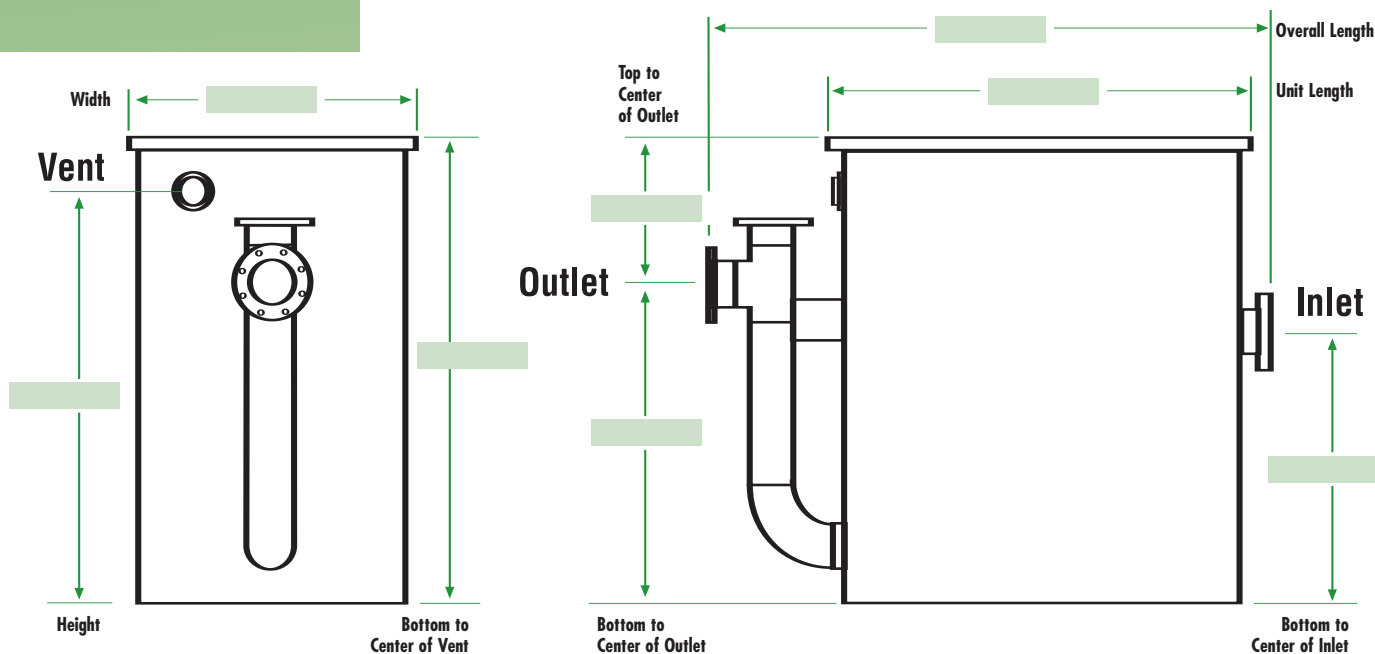
GIS SERIES

SPECIFICATION DRAWINGS

Commercial and Industrial
Grease Interceptor

For 6" Inlet/ Outlet and Above

Go to www.rkfdseparators.com for
individual unit specification drawings



NOTE: 6.00" Inlet/Outlet and larger are companion flange connections.

Specifications: Rockford Model **GIS-** _____ all-welded 1/4" steel separator, _____ gallon static holding capacity, _____ g.p.m. intermittent flow, _____" companion flanged inlet/outlet with outlet vent connection, 3" tapped vent connection, _____ lb. greasy sludge capacity, visible double-wall outside trap seal, easily removable separator screen and filter screen, removable 3/8" nonskid diamond treadplate cover(s) for flush-with-floor installation suitable for pedestrian traffic secured with stainless steel flat head screws, heavy-duty leakproof gasket, OPEX® Shop Coat coating inside and bituminous coating outside.

Optional Features (Additional Cost):

- | | |
|--|--|
| <input type="checkbox"/> Anchor Flange | <input type="checkbox"/> Integral Extension _____ Inches |
| <input type="checkbox"/> Clamp Ring | <input type="checkbox"/> Aluminum Cover(s) |
| <input type="checkbox"/> Recessed Lift Handles in Cover(s) | <input type="checkbox"/> Alternate Inlet & Outlet Size _____ Inches |
| <input type="checkbox"/> Epoxy Coating | <input type="checkbox"/> Alternate Vent Connection Size _____ Inches |
| <input type="checkbox"/> Anodes | <input type="checkbox"/> Double-wall Construction |
| <input type="checkbox"/> Reinforced Cover(s) _____ Load | <input type="checkbox"/> Leak Detection |
| <input type="checkbox"/> Stainless Steel Construction | <input type="checkbox"/> Hold Down Pads |
| <input type="checkbox"/> Sediment Basket | |

Quote # _____

Job Name _____

Approved by _____

Company _____

Date _____



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RP SERIES

GREASE INTERCEPTORS

TESTED & CERTIFIED
TO PDI-G101

Interceptors are mainly used for one product. There are grease interceptors, solids interceptors, hair interceptors, lint interceptors, etc....but each unit can only be used for its intended purpose. In some cases, a combination of two units is required. Example: A solids interceptor should be used in front of a grease interceptor. All interceptors require an external flow control in front of it. Some will have a restrictor on the inlet of the interceptor and call it a built-in flow control. It is still on the front end of the interceptor and does not allow the waste to enter the interceptor unobstructed. External flow controls are nothing more than a blockage in the inlet line.

GREASE INTERCEPTOR SIZING – PDI METHOD

THREE COMPARTMENT SINK

1st - determine the cubic content of the fixture by multiplying length x width x depth.

2nd - divide that by 231 (231 cubic inches = 1 gallon) to get the gallon capacity of the fixture.

Example:

1- three compartment sink

$$\frac{20 \times 20 \times 12 \times 3}{231} = \frac{14400 \text{ cu in}}{231} = 62.34 \text{ Gal}$$

For an interceptor, the unit needs a gpm rating equal to or greater than 75% of the fixtures capacity.

Example:

62.34 gallons x 75% = 46.76 gpm which would be a 50 gpm unit with a 1 minute drain down time.

With a 2 minute drain time a 25 gpm unit can be used with its appropriate flow control device installed.

PLEASE NOTE: The flow control fitting must be in place for these units to operate as designed!

For installations where a dishwasher is installed please contact Rockford Separators or your local manufacturer's representative.

HOW TO CLEAN THE INTERCEPTOR ALL MODELS

For a passive grease interceptor to perform as designed, a strict maintenance schedule must be followed.

If adequate maintenance is not performed, excessive grease buildup will occur until water, laden with grease, passes directly through the unit. Therefore, no matter how efficient the design or how proper the installation, these units perform only as well as the maintenance routine allows.

Cleaning and Maintenance Instructions should accompany every interceptor. It is a good practice to have a copy of the cleaning instructions located near the interceptor, directing the user on the proper operation/cleaning methods.

1. Remove floating grease.
2. Remove solids from the bottom of the unit.
3. Inspect gasket for damage and replace if necessary.
4. Replace cover and secure cover tightly.
5. Grease and other waste matter that has been removed from the interceptor should not be introduced into any drain, sewer, or natural body of water. This waste matter should be placed in proper containers for disposal.

Note: Cover gaskets are necessary to seal against gases and to prevent overflows. They must be heavy and elastic enough to give easy sealing.

Interceptors are not pressure vessels.

Covers should be easily removable. When an interceptor is set in the floor, stainless steel bolts should be used (brass bolts are too easily stripped; steel bolts become rust locked). NOTE: Interceptors not easily opened for cleaning will not be cleaned regularly.

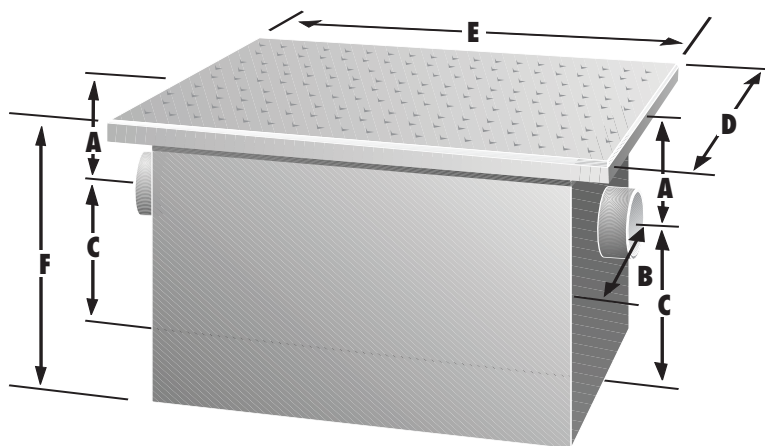
Many products are sold as aids to seemingly clean grease interceptors. These include acids and caustics with known hazards in handling, or so-called "miracle enzymes" with limited conditions and special instructions. These type of products are NOT RECOMMENDED because of the damage they can do to the interceptor, as well as the fact that the interceptor catches the grease at the point of use to be disposed, and not to give the user a vessel to add chemicals into the waste stream.

FOR SOLID WASTE INTERCEPTORS, SEE RPS SERIES PAGE.40.

ROCKFORD SEPARATORS

RP
SERIES

GREASE INTERCEPTORS

TESTED & CERTIFIED
TO PDI-G101

Model	Intermittent Flow GPM	Grease Capacity	Pipe Size	Top to Center of Inlet & Outlet A	Side to Center of Inlet & Outlet B	Bottom to Center of Inlet & Outlet C	Width D	Length E	Height F	Shipping Weight
RP-4	4	8lb.	2"	3.5"	5.125"	7"	13"	18"	10.5"	40lb.
RP-7	7	14lb.	2"	3.5"	5.125"	9.5"	13"	18"	13"	52lb.
RP-10	10	20lb.	2"	3.5"	6.125"	9.5"	15"	20"	13"	55lb.
RP-15	15	30lb.	2"	3.5"	7.125"	9.5"	17"	25"	13"	71lb.
RP-20	20	40lb.	3"	3.5"	8"	9.5"	18.75"	27"	13"	80lb.
RP-25	25	50lb.	3"	4.5"	8.625"	13.5"	20"	26"	18"	125lb.
RP-35	35	70lb.	4"	4.5"	8.625"	17.5"	20"	28.5"	22"	130lb.
RP-50	50	100lb.	4"	4.5"	10.625"	17.5"	24"	30"	22"	154lb.
RP-20-LO*	20	40lb.	3"	3.5"	10.125"	6.5"	23"	32"	10"	130lb.
RP-35-LO*	35	70lb.	4"	4.75"	10.125"	8.5"	23"	39"	13.25"	165lb.
RP-50-LO*	50	100lb.	4"	5"	10.125"	11"	23"	52.25"	16"	210lb.

LARGE CAPACITY INTERCEPTORS

RP-75*	75	150lb.	4"	6"	12.625"	26"	28"	38"	32"	265lb.
RP-100*	100	200lb.	4"	6"	15.625"	26"	34"	42"	32"	320lb.
RP-125*	125	250lb.	4"	8"	18"	28"	36"	45"	36"	481lb.
RP-150*	150	300lb.	4"	10"	18"	30"	36"	52"	40"	518lb.
RP-200*	200	400lb.	4"	8"	21"	32"	42"	61"	40"	643lb.
RP-250*	250	500lb.	4"	9"	21"	54"	42"	61"	63"	969lb.
RP-300*	300	600lb.	4"	9"	27"	44"	54"	71"	53"	1,124lb.
RP-350*	350	700lb.	6"	9"	27"	54"	54"	71"	63"	1,265lb.
RP-400*	400	800lb.	6"	8"	28.5"	53"	57"	86"	61"	1,400lb.
RP-450*	450	900lb.	6"	8"	28.5"	54"	57"	86"	62"	1,475lb.
RP-500*	500	1000lb.	6"	8"	28.5"	55"	57"	86"	63"	1,500lb.

* Non-listed unit built in accordance with PDI G-101.

All units standard with no hub connections.

• Single bolt cover securement available.

Job Specification: Grease interceptors shall be Rockford Interceptors as manufactured by Rockford Sanitary Systems, Inc., Rockford, Illinois, and as noted on plans.

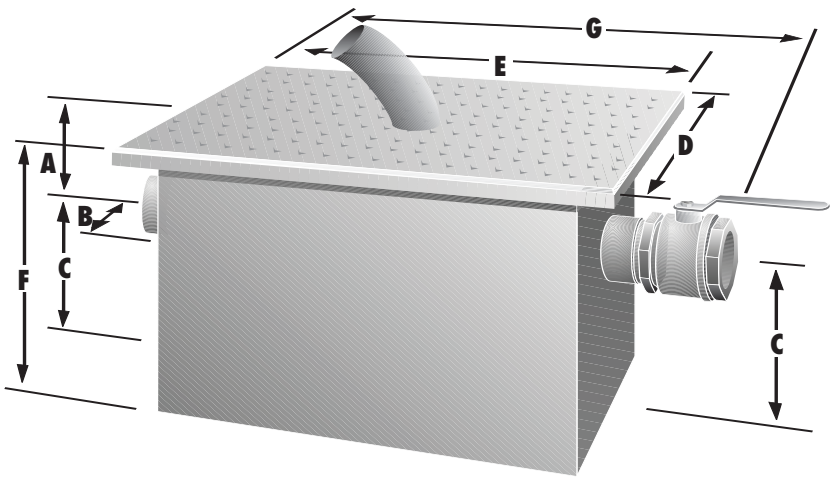
Interceptor Specifications: Furnish _____ Rockford Model **RP-**_____ PDI listed (thru 50 GPM only) all-welded steel interceptors for on-the-floor, partially recessed, or flush-with-floor installation, _____ g.p.m. intermittent flow, _____ lb. grease capacity, _____" no-hub inlet and outlet connections, flow control device, removable nonskid diamond treadplate cover for flush-with-floor installation suitable for pedestrian traffic or reinforced for light traffic, secured with stainless steel flat head screws, heavy-duty leakproof gasket. Units are furnished standard with enamel coating inside and outside. Supplied standard with air relief bypass. Bituminous coating outside for recessed installation optional at **no extra charge**.

Optional Features: Tapped inlet/outlet connections, epoxy coating, integral extensions, and stainless steel construction.

FOR SOLID WASTE INTERCEPTORS, SEE RPS SERIES PAGE.40.

RPD SERIES

SEMI-AUTOMATIC
DRAW-OFF
GREASE INTERCEPTORS



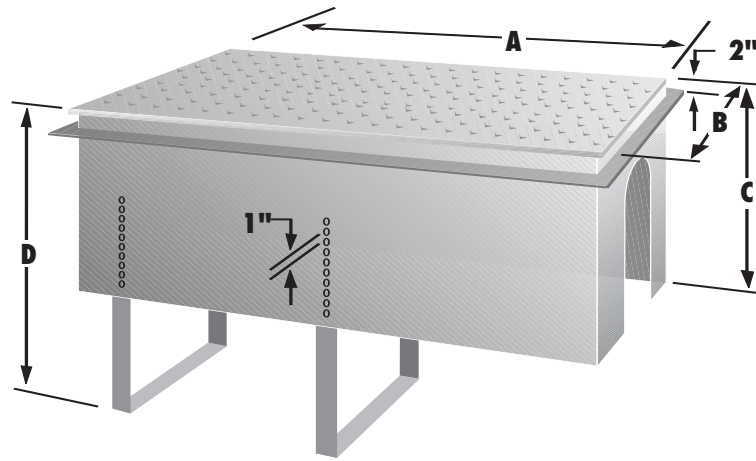
Flow Model	Intermittent Grease GPM	Capacity	Pipe Size	Top to Center of Inlet & Outlet A	Side to Center of Inlet & Outlet B	Bottom to Center of Inlet & Outlet C	Width D	Length E	Height F	Overall Width G	Shipping Weight
RPD-4	4	8lb.	2"	3.5"	6.5"	7"	13"	18"	10.5"	15.13"	50lb.
RPD-7	7	14lb.	2"	3.5"	6.5"	9.5"	13"	18"	13"	29.63"	55lb.
RPD-10	10	20lb.	2"	3.5"	7.5"	9.5"	15"	20"	13"	29.63"	65lb.
RPD-15	15	30lb.	2"	3.5"	8.5"	9.5"	17"	25"	13"	29.63"	81lb.
RPD-20	20	40lb.	3"	3.5"	9.38"	9.5"	18.75"	27"	13"	34.13"	105lb.
RPD-25	25	50lb.	3"	4.5"	10"	13.5"	20"	26"	18"	33.13"	128lb.
RPD-35	35	70lb.	4"	4.5"	10"	17.5"	20"	28.5"	22"	37.13"	145lb.
RPD-50	50	100lb.	4"	4.5"	12"	17.5"	24"	30"	22"	38.63"	173lb.
RPD-75	75	150lb.	4"	6"	14"	26"	28"	38"	32"	46.63"	280lb.
RPD-100	100	200lb.	4"	6"	17"	26"	34"	42"	32"	50.63"	340lb.
RPD-20-LO	20	40lb.	3"	3.5"	11.5"	6.5"	23"	32"	10"	39.13"	110lb.
RPD-35-LO	35	70lb.	4"	4.75"	11.5"	8.5"	23"	39"	13.25"	47.63"	185lb.
RPD-50-LO	50	100lb.	4"	5"	11.5"	11"	23"	52.25"	16"	60.88"	235lb.

Job Specification: Grease interceptors shall be Rockford Interceptors as manufactured by Rockford Sanitary Systems, Inc., Rockford, Illinois, and as noted on plans.

Interceptor Specifications: Furnish _____ Rockford Model **RPD-**_____ enamel- coated steel interceptors for on-the-floor installation with _____" inlet and outlet, with _____ g.p.m. rating and _____ lb. grease capacity. Removable thread plate cover with draw-off hood and flexible hose secured with stainless flathead screws with heavy-duty gasket, shut-off valve, flow control fitting and draw-off plug.

RPDC SERIES

CRADLES FOR
RPD SERIES



Model	Length A	Width B	Depth C	Overall Depth Minimum D	Overall Depth Maximum D
RPDC-04-20	40"	24"	16"	15"	25"
RPDC-25-50	50"	28"	18"	24"	34"
RPDC-75-100	60"	40"	24"	35"	45"

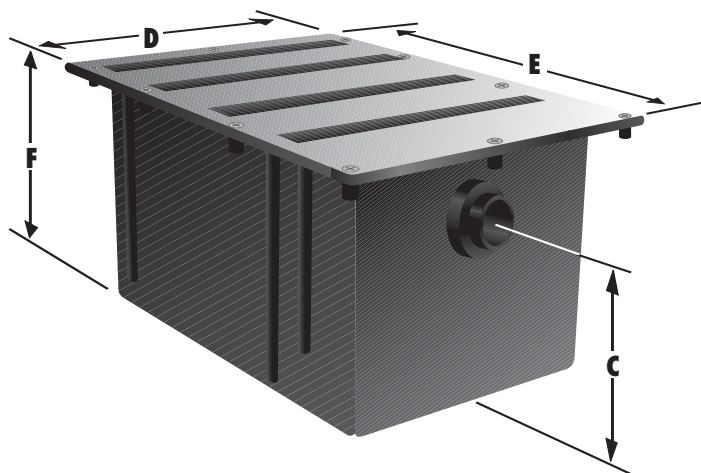
Job Specification: Cradles shall be Rockford Cradles as manufactured by Rockford Sanitary Systems, Inc., Rockford, Illinois, and as noted on plans.

Cradle Specifications: Furnish _____ Rockford Model **RPDC-**_____ series receiving cradle for RPD series grease interceptors for flush-with-floor installation. Unit is OPEX® Shop Coat coated inside, bituminous coated outside. Removeable thread plate cover secured with stainless flathead screws, heavy-duty gasket.

ROCKFORD SEPARATORS

R-Poly SERIES

**POLYETHYLENE
GREASE INTERCEPTORS**
TESTED & CERTIFIED
TO PDI-G101



Model	Intermittent Flow GPM	Tapped Inlet and Outlet	Liquid Holding Capacity	Grease Capacity	Bottom to Center of Inlet/Outlet C	Width D	Length E	Height F	Shipping Weight
R-Poly-07	7	2"	5.6gal.	14lb.	7.75"	14.5"	20"	11.63"	15lb.
R-Poly-10	10	2"	7.3gal.	20lb.	8.5"	14.5"	23"	12.63"	18lb.
R-Poly-15	15	2"	12.1 gal.	30lb.	9.5"	19.5"	23"	13.63"	25lb.
R-Poly-20	20	2"	17.6gal.	40lb.	10.5"	19.5"	29"	14.63"	30lb.
R-Poly-25	25	3"	24.8gal.	50lb.	13"	19.5"	32.5"	17.63"	35lb.
R-Poly-35	35	3"	30gal.	70lb.	14"	22"	32.5"	18.63"	40lb.
R-Poly-50	50	3"	40.5gal.	100lb.	14"	25"	37"	18.63"	50lb.
R-Poly-75*	75	3"	61.8gal.	150lb.	20"	25"	44"	24.63"	64lb.

Job Specification: Grease interceptors shall be Rockford Interceptors from Rockford Sanitary Systems, Inc., Rockford, Illinois, and as noted on plans.

Interceptor Specifications: Furnish _____ Rockford Model **R-Poly-**_____ polyethylene grease interceptor with a flow rate of _____ g.p.m. and a grease capacity of _____ lbs. Unit shall be of seamless construction capable of withstanding 212 degree F. continuous service. Standard unit is furnished with a polyethylene cover secured with stainless steel screws, cover gasketed by O-ring type gasket. _____ " female NPT inlet/outlet connections with external flow control device included with unit. Tank shall be certified by PDI-G101* standard and installed in accordance with local plumbing code requirements and manufacturer's instructions.

Optional Features: Aluminum thread plate covers for pedestrian traffic. Nonskid surface strips for covers: sizes **R-Poly.20** and larger.

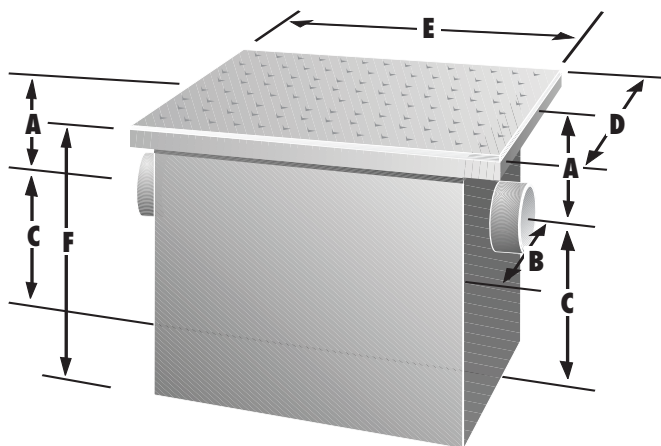


*Built in accordance with PDI-G101.

RPS SERIES

SOLIDS INTERCEPTORS

For Use Along with Corresponding
RP SERIES to Intercept Solids



Model	Tapped Inlet & Outlet	Top to Center of Inlet & Outlet A	Side to Center of Inlet & Outlet B	Bottom to Center of Inlet & Outlet C	Width D	Length E	Height F	Shipping Weight
RPS-4	2"	3.5"	5.125"	7"	13"	10.75"	10.5"	37lb.
RPS-7	2"	3.5"	5.125"	9.5"	13"	11.25"	13"	40lb.
RPS-10	2"	3.5"	6.125"	9.5"	15"	12.75"	13"	47lb.
RPS-15	2"	3.5"	7.125"	9.5"	17"	12.75"	13"	53lb.
RPS-20	3"	3.5"	8"	9.5"	18.75"	15"	13"	65lb.
RPS-25	3"	4.5"	8.625"	13.5"	20"	12.25"	18"	70lb.
RPS-35	4"	4.5"	8.625"	17.5"	20"	12.25"	22"	75lb.
RPS-50	4"	4.5"	10.625"	17.5"	24"	12.25"	22"	90lb.

Stainless steel units available.

Job Specification: Solids interceptors shall be Rockford Interceptors as manufactured by Rockford Sanitary Systems, Inc., Rockford, Illinois, and as noted on plans.

Interceptor Specifications: Furnish _____ Rockford Model **RPS-**_____ all-welded steel interceptors for on-the-floor, partially recessed, or flush-with-floor installation. Removable cover sealed with a heavy-duty leakproof gasket and secured with stainless steel flat head screws. Removable sediment basket for ease of cleaning. _____" no-hub inlet and outlet connections.

Size to be used with corresponding **RP Series** Interceptors.

Optional Features: Anchor flange with or without clamping ring, integral extension to grade, epoxy coating, all stainless steel construction, tapped inlet/outlet connections, stainless steel sediment basket.

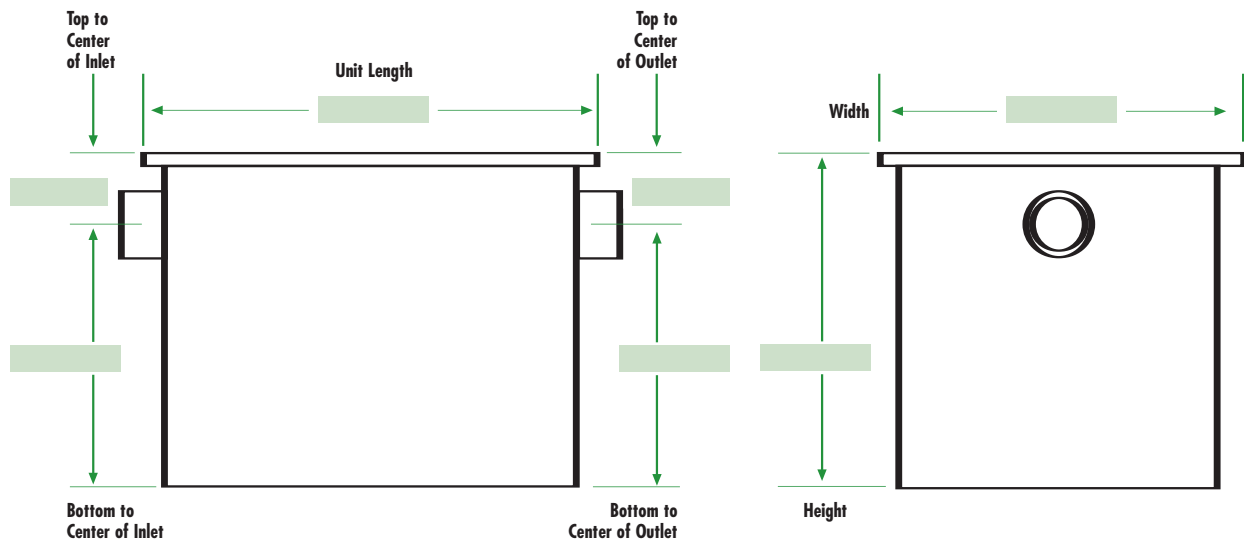
For other options, contact our Engineering Department.

RP SERIES

SPECIFICATION DRAWINGS

*Grease Interceptor
TESTED & CERTIFIED
TO PDI-G101*

Go to www.rkfdseparators.com for
individual unit specification drawings



Specifications: Rockford Model **RP-** _____ PDI listed (thru 50 GPM only), all-welded steel interceptor, _____ g.p.m. intermittent flow, _____ lb. grease capacity, _____ " no-hub inlet/outlet and flow control device, removable 3/8" nonskid diamond treadplate cover for flush-with-floor or on-the-floor installation suitable for pedestrian traffic secured with stainless steel flat head screws, heavy-duty leakproof gasket, enamel coating inside and outside.

Optional Features (Additional Cost):

- ☐ Epoxy Coating
- ☐ Anchor Flange
- ☐ Stainless Steel Construction
- ☐ Anchor Flange & Clamp Ring
- ☐ Extension to Grade _____ Inches
- ☐ Reinforced Cover
- ☐ Recessed Lift Handle _____ Per Cover
- ☐ Recessed Cover for _____ Thick Tile

Quote # _____

Job Name _____

Approved by _____

Company _____

Date _____

**Rockford
Separators**

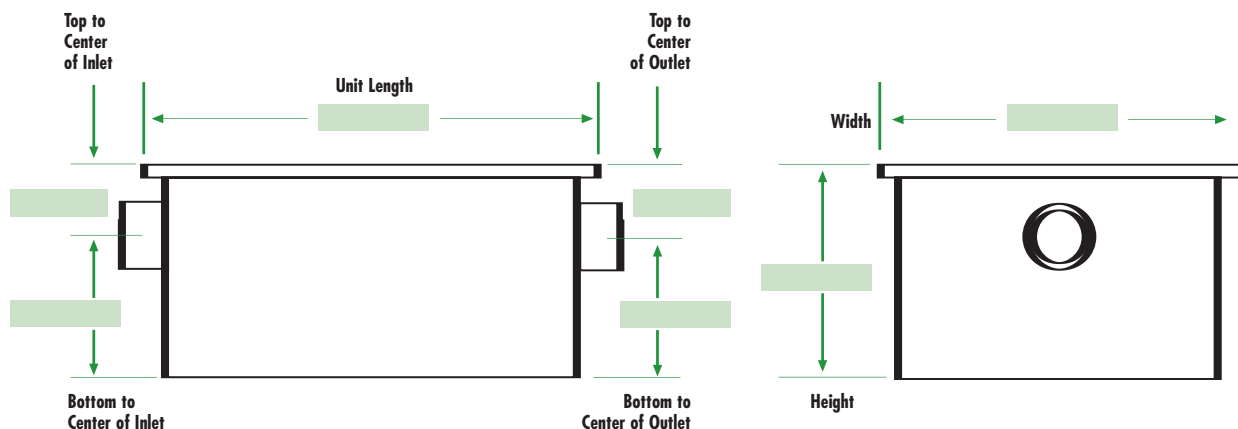
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815.229.5077 • FAX 815.229.5108
www.rkfdseparators.com • rssem@rkfdseparators.com

RP-LO SERIES

SPECIFICATION DRAWINGS

Grease Interceptor
TESTED & CERTIFIED
TO PDI-G101

Go to www.rkfdseparators.com for
individual unit specification drawings



Quote # _____

Job Name _____

Approved by _____

Company _____

Date _____



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Specifications: Rockford Model **RP-** _____ **-LO**, all-welded steel interceptor, _____ g.p.m. intermittent flow, _____ lb. grease capacity, _____ " no-hub inlet/outlet and flow control device, removable 3/8" nonskid diamond treadplate cover for flush-with-floor or on-the-floor installation suitable for pedestrian traffic secured with stainless steel flat head screws, heavy-duty leakproof gasket, enamel coating inside and outside.

Optional Features (Additional Cost):

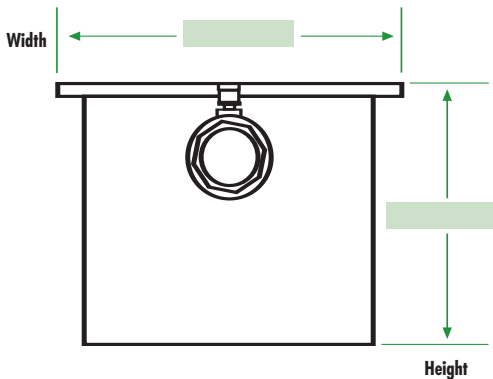
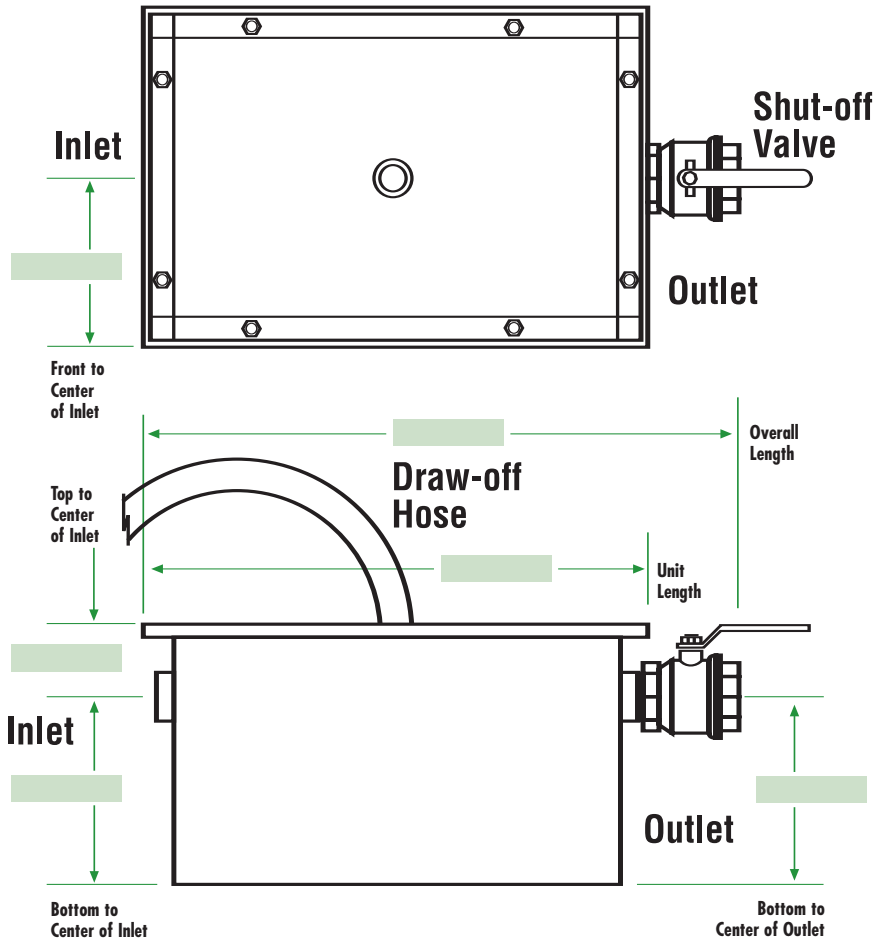
- ☐ Epoxy Coating
- ☐ Anchor Flange
- ☐ Stainless Steel Construction
- ☐ Anchor Flange and Clamp Ring
- ☐ Extension to Grade _____ Inches
- ☐ Reinforced Cover
- ☐ Recessed Lift Handle _____ Per Cover
- ☐ Recessed Cover for _____ Thick Tile

RPD SERIES

SPECIFICATION DRAWINGS

*SEMI-AUTOMATIC DRAW-OFF
GREASE INTERCEPTOR*

Go to www.rkfdseparators.com for
individual unit specification drawings



Specifications: Furnish _____ Rockford Model **RPD-** _____ enamel-coated steel interceptors for on-the-floor installation with _____" inlet and outlet, with _____ g.p.m. rating and _____ lb. grease capacity. Removable thread plate cover with draw-off hood and flexible hose secured with stainless flathead screws with heavy-duty gasket, shut-off valve, flow control fitting and draw-off plug.

Quote # _____

Job Name _____

Approved by _____

Company _____

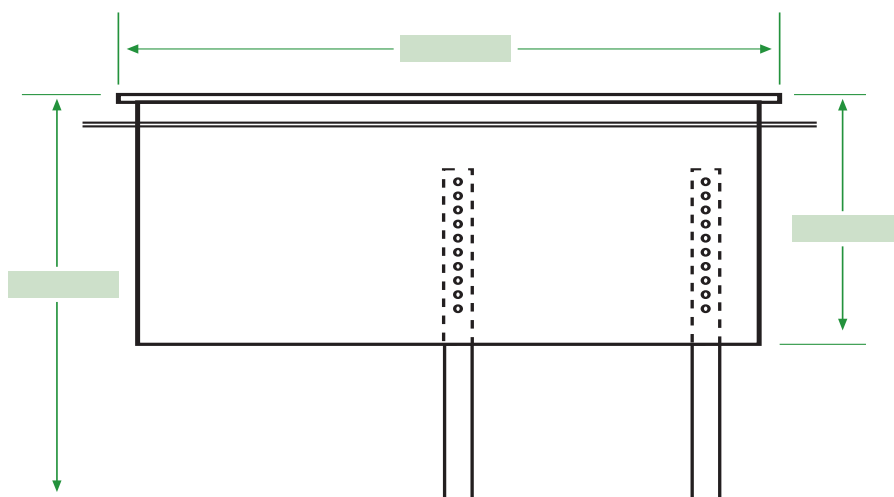
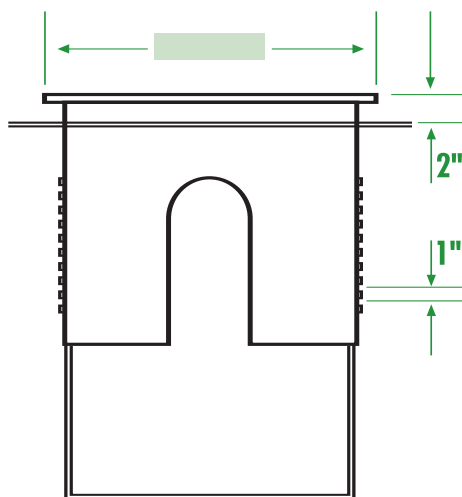
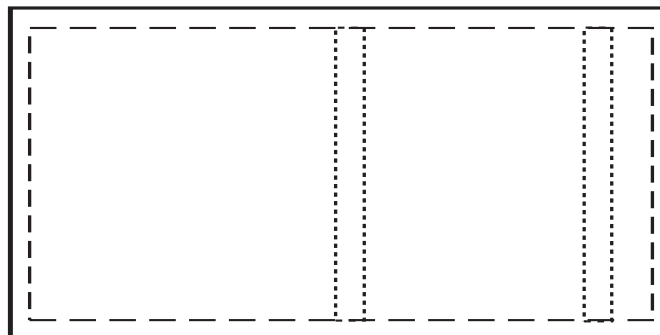
Date _____



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RPDC SERIES

SPECIFICATION DRAWINGS

CRADLE FOR
RPD SERIESGo to www.rkfdseparators.com for
individual unit specification drawings

Quote # _____

Job Name _____

Approved by _____

Company _____

Date _____

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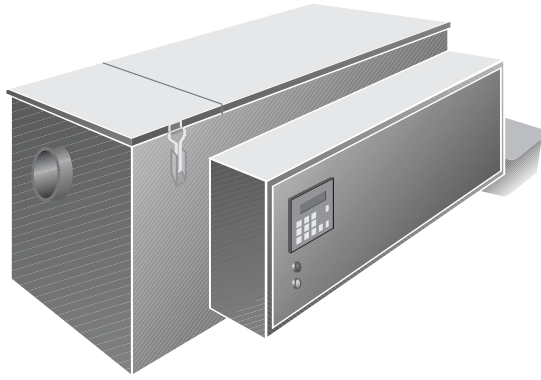
Specifications: Rockford Model **RPDC-** _____ series receiving cradle for RPD series grease interceptors for flush-with-floor installation. Unit is OPEX® Shop Coat coated inside, bituminous coated outside. Removeable thread plate cover secured with stainless flathead screws, heavy-duty gasket.

Optional Features (Additional Cost):

- ☐ Epoxy Coating
- ☐ Anchor Flange
- ☐ Stainless Steel Construction
- ☐ Anchor Flange and Clamp Ring
- ☐ Extension to Grade _____ Inches
- ☐ Reinforced Cover
- ☐ Recessed Lift Handle _____ Per Cover
- ☐ Recessed Cover for _____ Thick Tile

R-AGRU SERIES

AUTOMATIC GREASE RECOVERY UNIT



Rockford Separators model **R-AGRU** (Auto Grease Recovery Unit) grease interceptors are designed to intercept and remove large quantities of fats, oils, and grease commonly known as "fog". This fog discharged from food service facilities and large commercial/institutional kitchens interferes with proper drainage and treatment of wastewater. Rockford's **R-AGRU** grease interceptors range in size from the small 20 gpm unit for installation near the kitchen sink to the large high volume units that are located outside of the kitchen area (larger units are available upon request).

DESIGN & OPERATION

With Rockford's simple design there are no moving parts to create maintenance issues allowing for trouble-free operation. **R-AGRU** interceptors are designed to sit on the floor, in a vault, or on the floor below. Grease enters the inlet and is directed through the solids strainer basket removing the solids before the flow is directed into the separation and retention chamber of the

interceptor. The grease is retained in the retention chamber until the timer control initiates the draw-off cycle to begin, which is typically done in the off-hours. The heater is activated and, when the unit reaches temperature (approximately 130 degrees), the draw-off valve will open to allow the liquefied grease to flow into the provided grease collection box, from which it can be properly disposed.

CONSTRUCTION

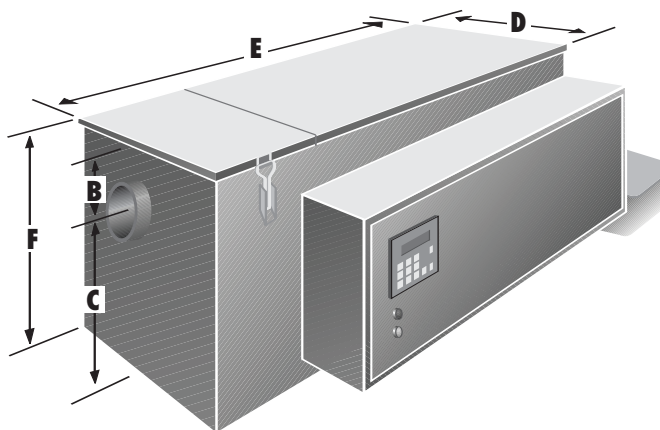
R-AGRU grease interceptors are constructed of all 304 stainless steel and are tig welded for exceptional quality. Standard units are furnished with a two-segment, air-tight, gasketed cover, with hinged solids basket access cover, secured with stainless toggle clamps.

ENGINEERING SERVICE

When individual problems or large projects require special applications, the assistance of our engineering department is recommended.

R-AGRU SERIES

**AUTOMATIC GREASE
RECOVERY UNIT**



Model	Intermittent Flow GPM	Threaded Inlet and Outlet	Greasy Sludge Capacity	Top to Center of Inlet/Outlet B	Bottom to Center of Inlet/Outlet C	Width D	Length E	Height F
R.AGRU.20	20	2"	40lb.	4.5"	10"	18"	30"	14.5"
R.AGRU.25	25	3"	50lb.	4.0"	10.5"	18"	30"	14.5"
R.AGRU.35	35	4"	70lb.	4.5"	12.5"	18"	36"	17"
R.AGRU.50	50	4"	100lb.	4.5"	17"	18"	36"	17"
R.AGRU.75	75	4"	150lb.	4.5"	17"	24"	42"	21.5"
R.AGRU.100	100	4"	200lb.	4.5"	17"	24"	52"	21.5"

LARGER UNITS AVAILABLE.

LARGER UNITS AVAILABLE.

Call for specifications.

Job Specification: Automated Grease Recovery Units shall be Rockford Separators as manufactured by Rockford Sanitary Systems, Inc., Rockford, Illinois, and as noted on plans.

Separator Specifications: Furnish ____ Rockford Model **R-AGRU-**____ constructed of 304 stainless steel, all TIG welded, hydrostatically tested and polished to a 2B finish and inspected to be free from defects. Unit is rated for ____ g.p.m. intermittent flow, and ____ lb. of grease retention capacity with 4.00" threaded inlet and outlet connections. All components are also constructed of 304 stainless steel including the internal parts, gasketed cover, internal strainer basket, and electronics control housing box. Grease removal shall be performed by a 7 day multi-event capable timer controlling an electric draw-off valve and a thermostatically controlled heating element. The free floating grease shall be removed automatically as required per application to a collection box for proper disposal or recycling. Unit is regularly supplied with threaded flow control fitting. Please note that disconnect and wiring to the unit are supplied by others.

Electrical Requirements: 120 volt, 15 amp. The unit should be connected to an electrical circuit controlled by a ground fault circuit breaker. Consult your local code for proper installation.

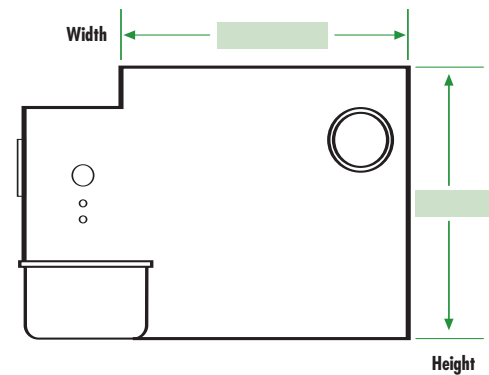
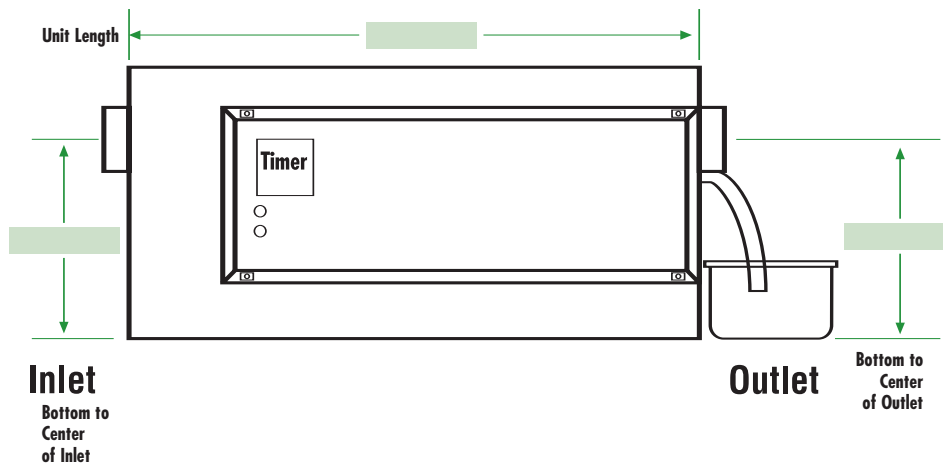
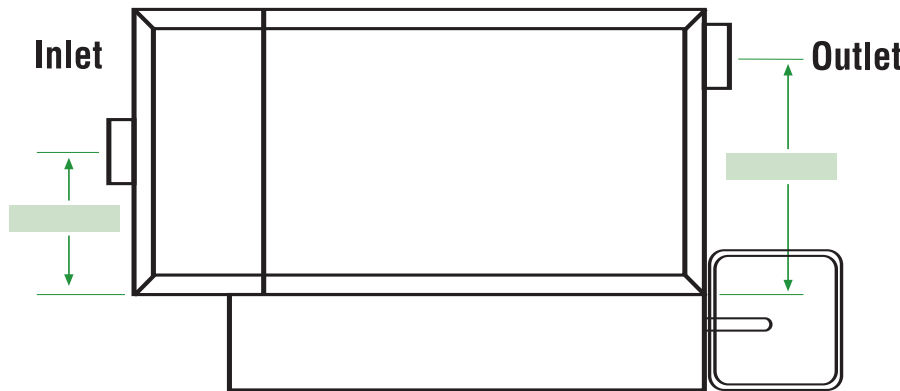
Optional Feature: Integral grease containment drawer with level- and presence-sensing.

Specify at time of order *Left to Right* or *Right to Left* flow while facing control panel.

R-AGRU SERIES

AUTOMATIC GREASE RECOVERY UNIT

Go to www.rkfdseparators.com for individual unit specification drawings



Specifications: Rockford Model **R-AGRU-** [] constructed of 304 stainless steel, all TIG welded, hydrostatically tested and polished to a 2B finish and inspected to be free from defects. Unit is rated for [] g.p.m. intermittent flow, and [] lb. of grease retention capacity with 4.00" threaded inlet and outlet connections. All components are also constructed of 304 stainless steel including the internal parts, gasketed cover, internal strainer basket, and electronics control housing box. Grease removal shall be preformed by a 7 day multi-event capable timer controlling an electric draw-off valve and a thermostatically controlled heating element. The free floating grease shall be removed automatically as required per application to a collection box for proper disposal or recycling. Unit is regularly supplied with threaded flow control fitting. Please note that disconnect and wiring to the unit are supplied by others.

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Specify at time of order *Left to Right* or *Right to Left* flow while facing control panel.

☐ Left to Right Flow

☐ Right to Left Flow

Quote # _____

Job Name _____

Approved by _____

Company _____

Date _____

**Rockford
Separators**

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NOTES



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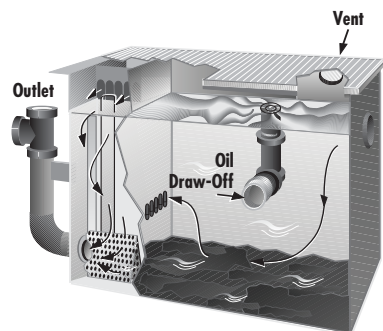
OIL SEPARATORS

GENERAL INFORMATION

*The following information
has been prepared as a guide
for architects, building
department officials,
engineers, health agencies,
plumbing contractors, and
others concerned with high
standards of sanitation
and construction.*

Our simple design is a perfect application of the principle of nature's own law of gravity in separating lighter-than-water wastes from heavier-than-water matter. These light-density substances, as well as oily, greasy sludge or solids, are retained in the Rockford Separator.

Note the course of water travel in cut-open view. The arrows designate the course from the inlet through the first separating screen, upward and through the second separating screen, downward through the filter and flow regulator screen to the outlet, and upward to the drainage line. There is no straight in-and-out travel from the inlet to the outlet of the separator. For continuous or severe operation, consult our Engineering Department.



separator is vented to prevent siphoning of its contents into the drainage system.

All units are available in double-wall construction with leak detection if specified.

COR-TEN® INFORMATION

Cor-Ten® high-strength, low carbon steel with its high strength and outstanding resistance to atmospheric corrosion is available where maintenance cost savings are prime considerations. Even in an unpainted condition, Cor-Ten® has a tightly adherent oxide surface which stops further oxidation. Painted or coated, this characteristic is further enhanced. The reliability and strength of this material has been proven in many applications, such as railroad cars, bridges and two of the tallest buildings in the world: the John Hancock Building and the Sears Tower in Chicago.

METHOD OF OPERATION

The basic requirement for efficient retention of non-soluble oil or other volatile liquid wastes is the absence of turbulence in the waste water movement. This is accomplished in the Rockford Separator by its design for maximum water travel without agitation and by the filtering action of its screens. The combination of two separating screens and a flow-regulator filter screen reduces the turbulence to allow proper separation, and prevents the evacuation of solids into the drainage system. The absence of a solids-evacuating channel is additional proof of the non-turbulent flow through the separator.

SAFETY FEATURES

Visible double-wall outside trap seal with vent connection prevents siphoning. Separate internal vent connection keeps pressure from building up inside the unit and from forcing contents into the drainage system. The independent vent also releases any fumes which may build up inside the unit. The wet inlet design prevents the entry of sewer air into the premises.

ENGINEERING SERVICE

Where individual problems or large projects require special applications, the assistance of our Engineering Department is recommended.

APPLICATION

Rockford Oil Separators are designed to receive, directly from plant equipment or floor drains, various kinds of oils, gasoline, kerosene, naphtha, benzene, other volatile liquid waste, and sludge. They retain this harmful waste matter and prevent its entry into the drainage system, providing triple advantages.

ADVANTAGES

The safe retention of this flammable material reduces: (1) the hazards of fire and explosions inside the building, (2) the pollution of our soil and waterways caused by the indiscriminate disposal of waste material, and (3) the loss of a salable or reusable by-product.

CONSTRUCTION

The separator is built of all-welded heavy-duty steel plate for maximum strength and durability. Both the interior and exterior are coated to resist acid corrosion. These units have removable covers for on-the-floor, partially recessed or flush-with-floor installation, suitable for pedestrian traffic or reinforced for heavy traffic. The cover is secured to the body with recessed stainless steel bolts and includes an extra-heavy leakproof gasket.

Separating screens and a flow-regulator filter screen regulate flow and filter waste water, making outside flow control or retarder unnecessary. An extra-large inlet compartment has adjustable oil draw-off. The outlet is separated from the main body of the unit, meeting all plumbing code requirements of an outside visible trap seal.

Independent internal vent connection on the inlet compartment dissipates excessive fumes and vapors from evaporating gases and volatile liquids. The outlet of the

ROCKFORD SEPARATORS

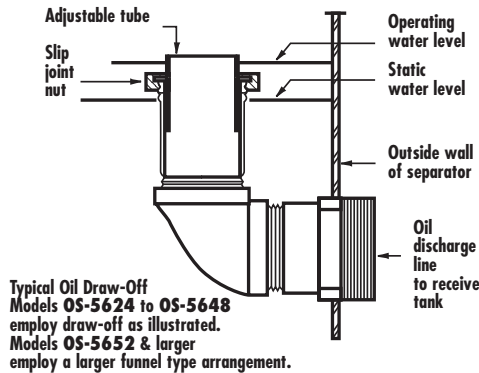
OIL SEPARATORS

GENERAL INFORMATION

For vehicle servicing and storage, mechanical and manual car washing.

OIL DRAW-OFF

The oil draw-off funnel is adjustable to the gravity height of oil and gallon-per-minute flow. It leads into the oil discharge pipe, from which a suitable disposal of oil can be made in the most economical way.



After the separator is installed, establish the operating water level by running water through the separator at the maximum flow rate expected. Adjust the vertical draw-off pipe 1/8" to 1/4" above the water line. Periodic checking of this level after the separator is in operation will ensure the proper functioning of the oil draw-off. If draw-off oil contains any water, raise the vertical draw-off pipe until only oil flows from the separator.

INTERMITTENT FLOW OIL SEPARATORS

The maximum amount of waste water containing non-soluble oil that can be discharged through any listed separator is two (2) times the stated flow rate in g.p.m. For example, a separator rated at 50 g.p.m. may only have 100 gallons discharged through it in a one-hour time period. This is usually accomplished by a batch dumping process. However, 100 gallons may be discharged continuously if the flow rate is monitored at the rate of 1.66 g.p.m.

COALESCING PACK (Optional Feature)

Removable polypropylene coalescing pack within a stainless steel framework is used to separate droplets of oil too minute to be removed by separation alone.

FILTER MEDIUM (Optional Feature)

Some oil-laden wastes carry with them small particles of suspended matter. For such installations, we recommend the **OS Series** separator be ordered with a filter medium. This will keep the tiny particles of suspended matter with attached oil globules from passing into the drainage line. Replacement filter screen with factory-installed filter medium is available as a replacement part.

SIZING FOR TYPICAL CODE REGULATIONS

VEHICLE SERVICING

When an oil separator is installed in an automobile, truck, bus, or tractor garage, in a service station or in a repair shop with facilities for motor or transmission overhauling, it must have a minimum static water depth of 24 inches below the invert of the separator outlet and a minimum static water capacity of 6 cubic feet.

This regulation applies to facilities where not more than three vehicles are serviced. For each additional vehicle up to and including ten, 1 cubic foot of static capacity shall be added. For each vehicle over ten, an additional 0.25 cubic foot shall be added.

VEHICLE STORAGE

In motor vehicle storage facilities, a combination separator-drain shall be installed with a static water level of 1 gallon for every 100 square feet of area to be drained. See **Page.75**.

VEHICLE STORAGE AND SERVICING

Where motor vehicles are serviced and stored, an oil separator shall be installed with a static water capacity of 1 cubic foot for every 100 square feet of area to be drained. The oil separator shall have a minimum static water level of 6 cubic feet. Check local codes for specific requirements.

MECHANICAL CAR WASHING

In facilities designed especially for mechanical washing of motor vehicles, a sand and gravel separator shall be installed to receive the waste water from all washing facilities. A minimum static water level of 2.5 feet and a minimum static water capacity of 50 cubic feet shall be maintained. See **Page.71**.

Where motor cleaning services are rendered at mechanical car washing facilities, an oil separator shall be installed in that section of the drainage system which receives waste water from this operation.

No outlet from a sand and gravel separator shall be discharged to an oil separator.

MANUAL CAR WASHING

In a one-car washing facility, a combination separator-drain shall be installed with a minimum static water capacity of 30 gallons. See **Page.75**.

ROCKFORD SEPARATORS

OIL SEPARATORS SURVEY SHEET

Number of vehicle service bays _____

Square feet of floor to be washed down _____

Number of hoses for washing down floor _____

Hose bib size _____

Time to fill a five gallon bucket with one hose _____

Length of time for floor washdown _____

Vehicle wash area: Interior _____

Exterior _____

Hand wash possible number of vehicles per hour _____

Automatic wash possible number of vehicles per hour _____

Total water per cycle _____

Time per cycle _____

Exterior: Possible water from surrounding area _____

Possible water from nearby roofs _____

Raised area rim to exclude additional water _____

Separate tank to receive separated oils and volatiles for **OS** Series _____

Integral storage of separated oils & volatiles standard with **OST** Series _____

Types of vehicles serviced _____

Automobiles _____

Light trucks _____

Heavy trucks and machinery _____

Will vehicles run over or park on separator top? _____

Integral anchor flange _____

Concrete pad for ballast for high water table _____

Winter-additional water from snow and ice loads _____

Some dimensions within engineering parameters can be adjusted to suit
job site conditions _____

Optional features available (extra cost):

☐ Double-wall construction

☐ A.R. Epoxy

☐ Leak detection

☐ High level sensor

☐ Anodes

☐ Coalescing pack

☐ Integral extension _____ inches

☐ Pump-out connection

Are any emulsifiers involved? _____

Water soluble oils? _____

Any pumps before the separator? _____

Any other comments _____

ROCKFORD SEPARATORS

OIL SEPARATORS

CONTINUOUS FLOW DESIGN CRITERIA FORMULAE

ACTUAL JOB INSPECTION AND RECOMMENDATION

Upon inspection of your plant and testing of the waste oil sample received, we submit a report similar to the following for your consideration.

The following information was given to us:

- **Water Consumption:** 3,000,000 gallons per month
- **Work Day:** 24 hours
- **Work Week:** 6-day week
- **Oil Consumed:** 600 gallons per month

From the above information we obtained these figures as averages:

- **Average Work Month:** 25.5 days
- **Flow Rate Per 24 Hour Period:** 117,645 gallons
- **Flow Rate Per Hour:** 4,901 gallons
- **Flow Rate Per Minute:** 81.6 gallons, or 10.88cfm

Based upon the information received from the local sanitary district office, **200 ppm** of oil is being discharged into the sewer. This totals out to **589 gallons** per month. This concurs with the figure of **600 gallons** per month that is purchased and consumed in your operations (**589 gallons** vs. **600 gallons**).

DESIGN CRITERIA

Research and experimental work have led to the adoption of fundamental principles which provide mathematical bases for the determination of separator size and shape. These principles have been applied, and the results are separators demonstrating highly effective performance.

It must be noted that the design and shape of the separator depend upon the character and quantity of the oily water to be separated. Even a properly sized separator is limited to the separation of oils and solids which are susceptible to gravity separation. It must also be noted that modifications, and possible refinements to this design can result in separators with improvements and merits.

The following design criteria is based upon a mathematical formula resulting from research done, and upon which Rockford Separators base their design.

The design of a rectangular oil separator is based on three relationships:

1. **A minimum horizontal area**
2. **A minimum vertical cross-sectional area**
3. **A minimum ratio of depth to width of 0.3 (0.5 maximum).**

The design of this separator was calculated using varying temperatures of waste water from 70°F to 100°F. We are presenting design information based upon a temperature of 100°F, which in our estimation, is more likely to be the average temperature.

DESIGN CRITERIA FORMULAE

1. **A minimum horizontal area – expressed as A_h**

$$A_h = F \frac{Q_m}{V_t} = 1.64 \frac{10.88}{.145} = 123$$

Q_m = flow rate in cfm of waste water
 F = a factor to allow for the effects of turbulence and short-circuiting,

the value of $\frac{V_h}{V_t}$ applied to a corresponding chart of known values.

$$F = \frac{V_h}{V_t} = \frac{2.175}{.145} = 15$$

15 applied to chart equals **1.37** (turbulence factor)
 $F = (F_t) (F_1) = (1.37) (1.2) = 1.64$
 $F = 1.64$

$$V_t = .0241 \frac{S_w - S_o}{M} = .0241 \frac{(.933 - .9520)}{.0068} = .145$$

$V_t = .145$

.0241 = known value

S_w = specific gravity of waste water at design temperature

S_o = specific gravity of waste oil at design temperature

M = absolute viscosity of waste water at design temperature

The product of the short-circuiting factor and the turbulence factor, yield the design factor F by which the surface area of the ideal separator is multiplied to obtain the surface area required of an actual separator.

ROCKFORD SEPARATORS

OIL SEPARATORS

CONTINUOUS FLOW DESIGN CRITERIA FORMULAE

It is to be noted, in the recommended design method which follows, that the value of the horizontal area, A_h , is not determined directly, but that acceptable values of depth and width are established first in accordance with the relationship of A_e and $\frac{d}{B}$.

The length is then computed with the formula:

$$L = F \frac{(V_h)}{V_f} d = 1.64 \frac{(2.175)}{.145} 3 = 73.8 \text{ feet}$$

$$L = 73.8 \text{ feet}$$

2. A minimum cross-sectional vertical area – expressed as A_e

$$A_e = \frac{Q_m}{V_h}$$

V_h = a horizontal velocity of flow no greater than **15x** the rising velocity, and not to exceed **3 fpm**.

$$V_h = 15 (V_f) \\ 15 (.145) = 2.175 \text{ fpm} \\ 2.175 \text{ is less than } 3$$

$$A_e = \frac{10.88}{2.175} = 5$$

Note: There are established values that must be employed. They have not been determined directly, but are established by various relationships.

Example: The rising velocity of oil globules in water is based on an oil globule of .015 cm in size.

3. A minimum ratio of depth to width of 0.3 (max 0.5)

$$\frac{d}{B} = 0.3 \text{ to } 0.5$$

d = depth in feet of waste water in separator

B = width in feet of separator chamber

Tests conducted indicate that the depth-to-width ratio is not subject to theoretical analysis. Tests conducted prove that oil retention is not influenced until the depth-to-width ratio becomes **0.2**. There is no objection, if economics dictate, to the use of depth-to-width ratios of approximately **0.5**. The depth, however, must be limited to a minimum of **3 feet** and a maximum of **8 feet**; the width from a minimum of **6 feet** to **20 feet** maximum. Experimental studies have shown that hydraulic characteristics are improved by increasing the length and decreasing the width. A longer channel has the effect of minimizing the disturbing influence of the inlet and outlet zones.

We have a separator, using minimum ratios, with dimensions as follows:

3 feet deep (static depth) x **6 feet** wide
x **73.8 feet** long. Static liquid holding capacity
of **1,328 cubic feet**, or **9,960 gallons**.

This separator will give a two hour retention period for the separation of oil, water and solids.

However, this length is not feasible at your building site. Also, more than likely, construction of a separator this size would be too costly.

Bearing in mind the importance of the depth-to-width ratio maximum of **0.5**, we have altered the dimensions as follows: **30 feet** long, **9 feet** wide, with a water level of **4 1/2 feet**. This represents the maximum allowable ratio of **0.5**; also a static capacity of **9,112 gallons**, which is a **1 hour, 51 minute** period.

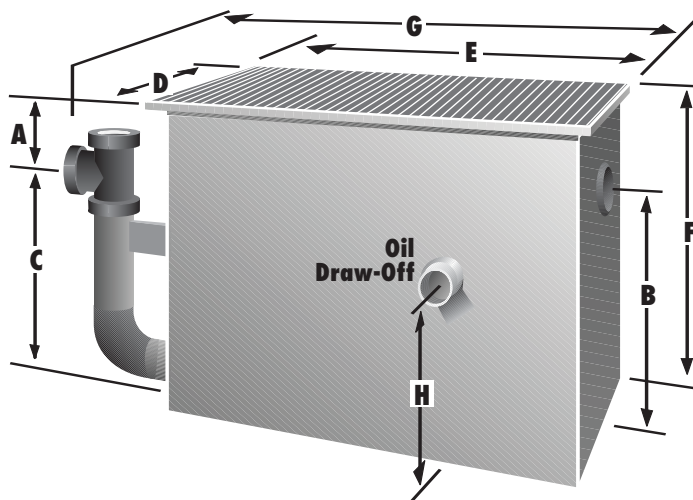
This oil-water separator has been designed according to the **3,000,000 gallon** figure presented to us. If there is the possibility of a change in this figure, either up or down, it would have a bearing on the overall design of this separator.

INFORMATION BASED ON A.P.I. DESIGN CRITERIA

OS SERIES

OIL SEPARATORS

FOR USES REQUIRING
THE RETENTION AND SAFE
DISPOSAL OF OIL AND OTHER
VOLATILE LIQUIDS



Model	Intermittent Flow GPM	Tapped Inlet and Outlet	Static Holding Gallons	Capacity Cubic Feet	Top to Center of Outlet A	Bottom to Center of Inlet B	Center of Outlet C	Width D	Length E	Height F	Overall Length G	Bottom to Oil Draw-off H	Tapped Oil Draw-off	Bottom to Internal Vent	Tapped Internal Vent	Weight	Covers
OS-5624*	25	2"	45gal.	6cu.ft.	4.5"	22.5"	25.5"	18"	24"	30"	29"	18.5"	2"	26"	3"	306lb.	1
OS-5628*	35	3"	64gal.	8.5cu.ft.	5"	22.5"	26"	20"	30"	31"	37"	18.5"	2"	27"	3"	399lb.	1
OS-5630*	50	3"	75gal.	10cu.ft.	6"	22.5"	26"	25"	36"	32"	43"	18.5"	2"	28"	3"	571lb.	1
OS-5633*	65	4"	100gal.	14cu.ft.	9.5"	22.25"	26.5"	30"	40"	36"	49"	18.5"	2"	30"	4"	742lb.	1
OS-5636*	75	4"	150gal.	20cu.ft.	8.5"	23.25"	27.5"	36"	45"	36"	59"	19.5"	2"	30"	4"	850lb.	2
OS-5642*	100	4"	172gal.	23cu.ft.	9.5"	22.25"	26.5"	36"	49.5"	36"	58"	18.5"	2"	30"	4"	944lb.	2
OS-5644	150	4"	210gal.	28cu.ft.	14"	25.75"	30"	36"	57"	44"	66"	22"	2"	35"	4"	1,235lb.	2
OS-5648	200	4"	285gal.	38cu.ft.	17.5"	26"	30.5"	40"	64.25"	48"	73.25"	22.25"	2"	38"	4"	1,524lb.	3
OS-5652	250	4"	397gal.	53cu.ft.	15.5"	31"	35.5"	45"	64.25"	51"	73.25"	24.5"	3"	42"	4"	1,654lb.	3
OS-5654	300	• 6"	487gal.	65cu.ft.	15.5"	30"	36.5"	45"	70.25"	52"	94.88"	24.5"	3"	43"	4"	1,887lb.	3
OS-5658	350	• 6"	525gal.	70cu.ft.	16.5"	37"	43.5"	45"	76.25"	60"	100.88"	31.5"	3"	48"	4"	1,913lb.	3
OS-5662	400	• 6"	598gal.	78.5cu.ft.	17"	36.75"	43"	45"	83"	60"	107.88"	31"	3"	49"	4"	2,261lb.	3
OS-5664	450	• 6"	630gal.	84cu.ft.	17"	36.75"	43"	45"	94.25"	60"	118.88"	31"	3"	49"	4"	2,350lb.	3
OS-5670	500	• 6"	735gal.	98cu.ft.	20"	39.75"	46"	45"	94.25"	66"	118.88"	34"	3"	52"	4"	2,500lb.	3

LARGER UNITS AVAILABLE.

- * Anchor flange requires 3" extension.
- 6" & larger – companion flange connection

Double-wall construction available.

LARGER UNITS AVAILABLE.

Call for specifications.

Job Specification: Oil separators shall be Rockford Industrial Separators as manufactured by Rockford Sanitary Systems, Inc., Rockford, Illinois, and as noted on plans.

Separator Specifications: Furnish ____ Rockford Model **OS-** ____ all-welded ____ 1/4" steel separators, ____ g.p.m. intermittent flow, ____" (tapped) (hubbed) inlet and outlet, ____" tapped internal vent connection, ____" tapped oil draw-off connection for adjustable oil draw-off, visible double-wall outside trap seal, non-removable separator screen with easily removable filter screen, removable 3/8" nonskid diamond treadplate cover(s) for flush-with-floor installation for pedestrian traffic, or reinforced for ____ (light)(heavy) traffic, cover(s) secured with stainless steel flat head screws, extra-heavy leakproof gasket. OPEX® Shop Coat coating (resistant to oil, grease and cutting oils) inside and bituminous coating outside.

Optional Features: Anchor flange, filter media, sediment basket, integral extension, epoxy coating, anodes, coalescing pack. **Double-wall construction.**

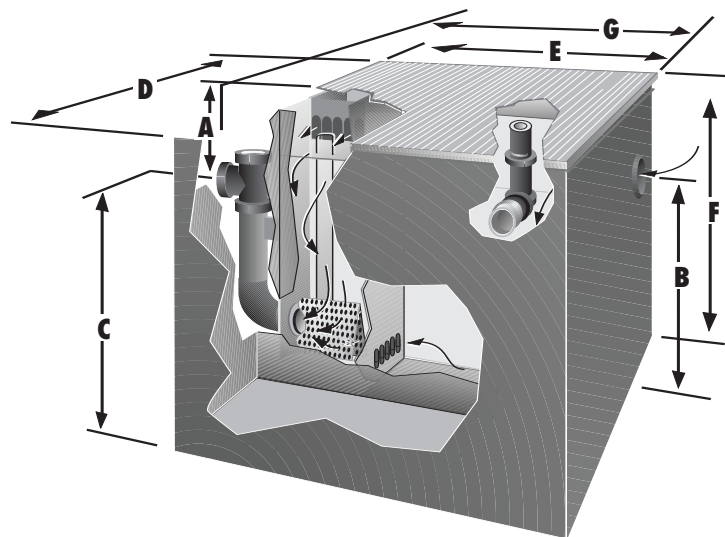
TOTAL/UNCONFINED/UNRESTRICTED/OSHA

Recommended Top Access to be able to observe and clean the entire fluid surface in all chambers down to the bottom of the unit.

ROCKFORD SEPARATORS

OST SERIES

OIL SEPARATORS

WITH INTEGRAL
STORAGE COMPARTMENT

Model	Intermittent Flow GPM	Tapped Inlet and Outlet	Static Holding Capacity Gallons	Cubic Feet	Top to Center of Outlet A	Bottom to Center of Inlet B	Center of Outlet C	Width D	Length E	Height F	Overall Length G+	Internal Oil Storage†	Bottom to Internal Vent	Tapped Internal Vent	Weight	Covers
OST-5624*	25	2"	45gal.	6cu.ft.	4.5"	22.5"	25.5"	46"	24"	30"	29"	50gal.	26"	3"	631lb.	1
OST-5628*	35	3"	64gal.	8.5cu.ft.	5"	22.5"	26"	43"	30"	31"	37"	50gal.	27"	3"	717lb.	2
OST-5630*	50	3"	75gal.	10cu.ft.	6"	22.5"	26"	65.5"	36"	32"	48"	100gal.	28"	3"	1,074lb.	2
OST-5633*	65	4"	100gal.	14cu.ft.	9.5"	22.25"	26.5"	65"	40"	36"	49"	100gal.	30"	4"	1,292lb.	2
OST-5636*	75	4"	150gal.	20cu.ft.	8.5"	23.25"	27.5"	68.75"	45"	36"	59"	100gal.	30"	4"	1,400lb.	4
OST-5642*	100	4"	172gal.	23cu.ft.	9.5"	22.25"	26.5"	90.5"	49.5"	36"	58"	200gal.	30"	4"	1,949lb.	4
OST-5644	150	4"	210gal.	28cu.ft.	14"	25.75"	30"	67.75"	57"	44"	66"	200gal.	35"	4"	2,010lb.	4
OST-5648	200	4"	285gal.	38cu.ft.	17.5"	26"	30.5"	91.25"	64.25"	48"	73.25"	300gal.	38"	4"	2,703lb.	6
OST-5652	250	4"	397gal.	53cu.ft.	15.5"	31"	35.5"	92"	64.25"	51"	73.25"	300gal.	42"	4"	2,910lb.	6
OST-5654	300	• 6"	487gal.	65cu.ft.	15.5"	30"	36.5"	88.25"	70.25"	52"	94.88"	300gal.	43"	4"	3,100lb.	6
OST-5658	350	• 6"	525gal.	70cu.ft.	16.5"	37"	43.5"	95.75"	76.25"	60"	100.88"	500gal.	48"	4"	3,454lb.	6
OST-5662	400	• 6"	598gal.	78.5cu.ft.	17"	36.75"	43"	91.75"	83"	60"	107.88"	500gal.	49"	4"	3,500lb.	6
OST-5664	450	• 6"	630gal.	84cu.ft.	17"	36.75"	43"	80.88"	94.25"	60"	118.88"	500gal.	49"	4"	3,900lb.	6
OST-5670	500	• 6"	735gal.	98cu.ft.	20"	39.75"	46"	80.88"	94.25"	66"	118.88"	500gal.	52"	4"	4,100lb.	6

LARGER UNITS AVAILABLE.

Job Specification: Oil separators shall be Rockford Separators as manufactured by Rockford Sanitary Systems, Inc., Rockford, Illinois, and as noted on plans.

Separator Specifications: Furnish _____ Rockford Model **OST-**_____ - _____ gallon integral storage compartment, all-welded _____ 1/4" steel separators, _____ g.p.m. intermittent flow _____" (tapped) (hubbed) inlet and outlet, _____" tapped internal vent connection _____" adjustable oil draw-off, visible double-wall outside trap seal, non-removable separator screen with easily removable filter screen, removable 3/8" nonskid diamond treadplate cover(s) for flush-with-floor installation for pedestrian traffic, or reinforced for _____ (light) (heavy) traffic, cover(s) secured with stainless steel flat head screws, extra-heavy leakproof gasket. OPEX® Shop Coat coating (resistant to oil, grease and cutting oils) inside and bituminous coating outside.

Optional Features: Anchor flange, filter media, sediment basket, integral extension, acid-resistant epoxy coating, anodes, coalescing pack, high level sensor and alarm, **double-wall construction**, with or without leak detection.

TOTAL/UNCONFINED/UNRESTRICTED/OSHA

Recommended Top Access to be able to observe and clean the entire fluid surface in all chambers down to the bottom of the unit.

* Anchor flange requires 3" extension.

• 6" & larger – companion flange connection.

+ Length is the distance from inlet to outlet ends.

† Any smaller size storage compartment may be ordered P.O.A. Example:

OST-5636 (Model No.) – 50 (Oil Storage)

Standard storage supplied unless specified otherwise.

Double-wall construction available.

LARGER UNITS AVAILABLE.

Call for specifications.

OST SERIES

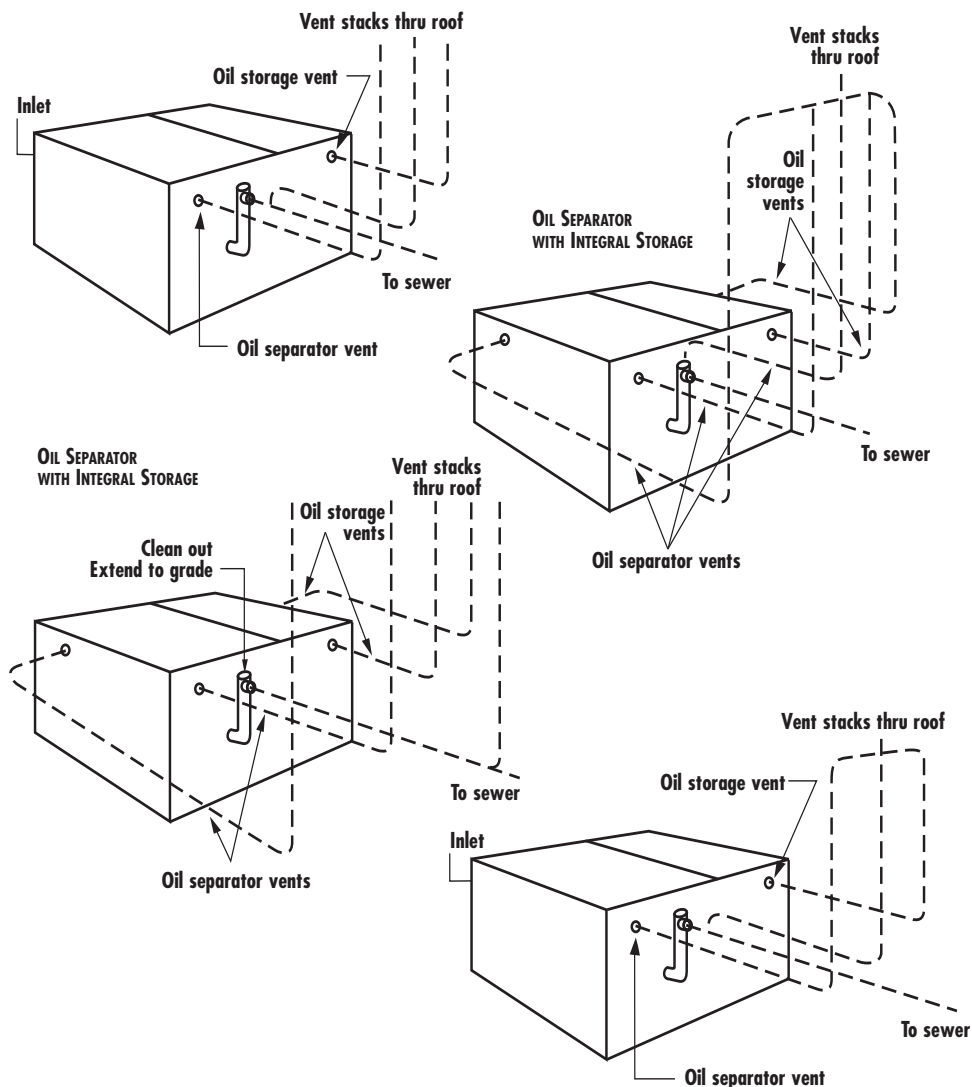
OIL SEPARATORS

WITH INTEGRAL
STORAGE COMPARTMENT

PIPING DIAGRAMS

Must conform to local code.

OST SERIES OIL SEPARATOR PIPING DIAGRAM EXAMPLES



SAFETY FEATURES

Visible double-wall outside trap seal with vent connection prevents siphoning. Separate internal vent connection keeps pressure from building up inside the unit and from forcing the contents into the drainage system. This independent vent also releases any fumes which may build up inside the unit. The wet inlet design prevents the entry of sewer air into the premises.

FILTER MEDIUM

Some oil-laden wastes carry with them small particles of suspended matter. For such installations we recommend the **OST Series** separator be ordered with a filter medium. This will keep the tiny particles of suspended matter with attached oil globules from passing into the drainage line.

ENGINEERING SERVICE

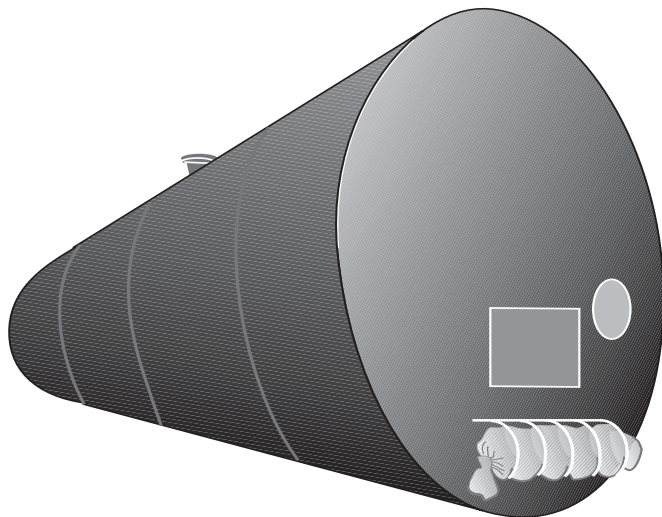
Where individual problems or large projects require special applications, the assistance of our Engineering Department is recommended.

INTERMITTENT FLOW OIL SEPARATORS

The maximum amount of waste water containing non-soluble oil that can be discharge through any listed separator is two (2) times the stated flow rate in g.p.m. For example, a separator rated at 50 g.p.m. may only have 100 gallons discharged through it in a one-hour time period. This is usually accomplished by a batch dumping process. However, 100 gallons may be discharged continuously if the flow rate is monitored at the rate of 1.66 g.p.m.



UL Listed



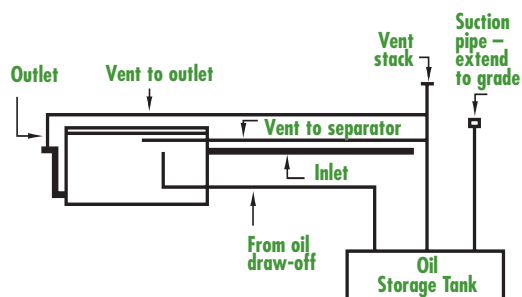
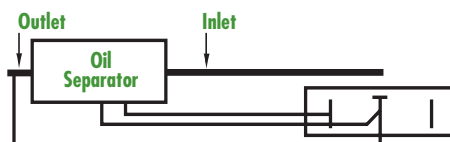
Model No.	Capacity	Diameter x Length	Gauge	Weight
71-030-4	300gal.	3'2" x 5'	7	760lb.
71-121-4	560gal.	4' x 6'	7	800lb.
71-149-4	1,000gal.	5'4" x 6'	7	1,150lb.
71-170-4	2,000gal.	5'4" x 12'	7	2,000lb.
71-177-4	3,000gal.	5'4" x 18'	7	2,800lb.
71-184-4	4,000gal.	5'4" x 24'	7	3,500lb.
71-190-4	4,000gal.	7' x 14'	3/16"	3,300lb.
71-220-4	6,000gal.	8' x 16'	1/4"	5,450lb.
71-235-4	8,200gal.	8' x 22'	1/4"	7,058lb.
71-238-4	10,000gal.	9' x 21'	1/4"	7,700lb.
71-240-4	10,000gal.	8' x 27'	1/4"	8,450lb.
71-248-4	12,000gal.	9' x 25'	1/4"	8,850lb.
71-250-4	12,000gal.	8' x 32'	1/4"	9,750lb.
71-255-4	20,000gal.	10'6" x 31'	5/16"	16,500lb.

LARGER UNITS AVAILABLE.

30-Year Warranty

A written 30-Year Limited Warranty against leaks due to external corrosion is delivered with each tank. A warranty for the life of the installation covers leaks due to structural failure. Each tank's serial number is registered.

INSTALLATION DIAGRAMS



ST SERIES

CERTIFIED sti-P₃[®]
UNDERGROUND STEEL
STORAGE TANKS



LARGER UNITS AVAILABLE.

Call for specifications.

Also Available:

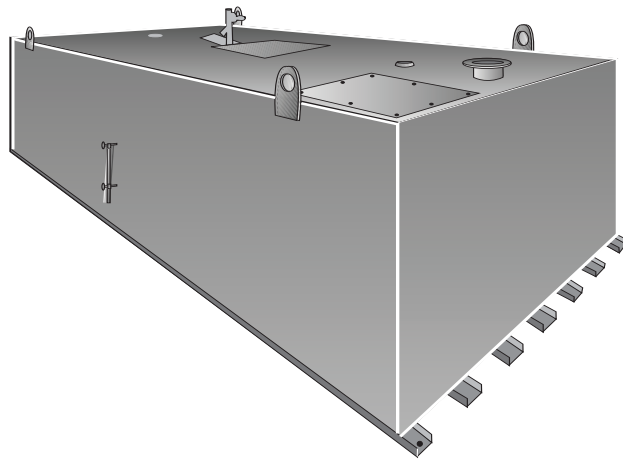
- Tanks with special interior coatings for aviation fuel.
- Custom designed tanks may also be ordered.
- Double-wall construction.
- Double-wall, steel tank with fiber glass outer wall.

RHS SERIES

HELICOPTER PORT FUEL INTERCEPTORS

The installation of properly sized interceptors to intercept gasoline, with adequate ventilation to dissipate explosive fumes before they enter the sewer system, is the best assurance against explosions.

*Specially made.
Contact Engineering.*

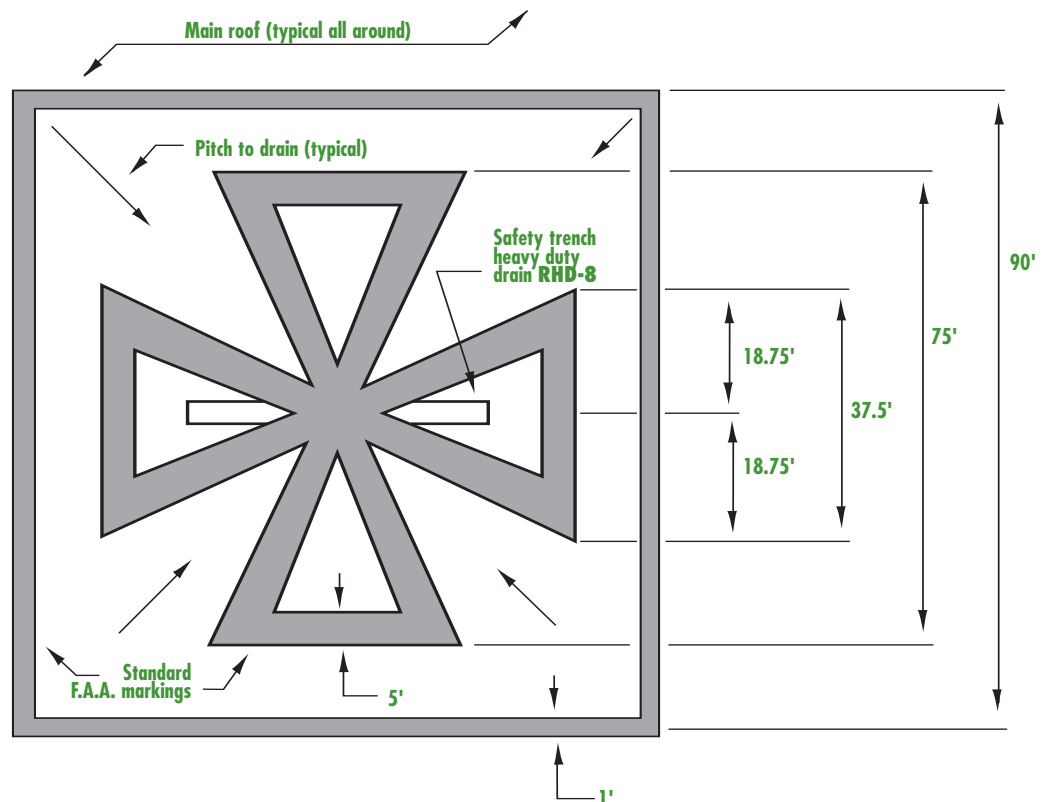


RECOMMENDED HELIPORT MARKING • Federal Aviation Administration AC-150/3390-1A

The standard pattern marking is dimensioned for a pad size of 90 feet or more. For pattern sizes other than 75 feet, scale dimensions proportionately. The touchdown area should be clearly defined by a solid or segmented border at least one foot wide. On surfaces of light color, markings should be outlined in black to increase their visibility.

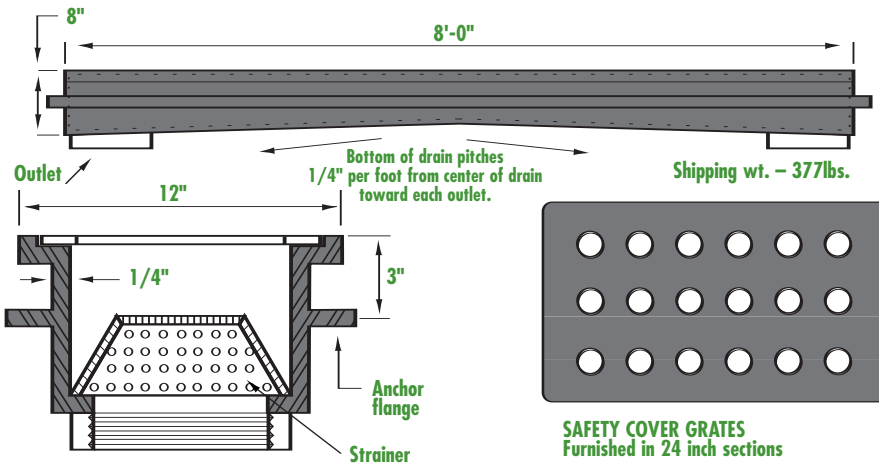
1. Consult the local municipal, county or state authority to determine who has jurisdiction.
2. Consult the proper administrative authorities to ascertain any special requirements or restrictions.
 - A. Building Department – Plumbing Division
 - B. Zoning Department – Restrictions or Variances
 - C. Fire Department – Fire Prevention Bureau
 - D. Sewer Department – Industrial Waste Control
 - E. Sanitary District – Industrial Waste Ordinance
 - F. Health Department – In some states
 - G. Federal Aviation Agency – F.A.A. Local Office

With the use of helicopters for short flights and the increasing use of rooftops and other elevated structures for landing facilities, the possibilities for emergency situations have also increased. The protection of life and property is best accomplished through preventive means. Mechanical failures in aircraft can easily result in crash landings. Fuel spillage on such facilities presents a fire hazard to persons in and near these facilities. The resultant damage to the building or structure itself must be taken into account. Prevention of a potential catastrophe is paramount.



RHS SERIES

HELICOPTER PORT FUEL INTERCEPTORS



SAFETY TRENCH DRAIN

The prevention of fuel and/or water ponding on the landing pad is accomplished by means of a large trench type drain covered by an inlet grate with sufficiently large enough openings to allow fast drainage.

Job Specification: Helicopter Pad Safety Drain shall be Rockford Model **RHD-8** as manufactured by Rockford Sanitary Systems, Rockford, IL as shown on plans.

Drain Specifications: Furnish Rockford Model **RHD-8** Helicopter Pad Safety Drain constructed of ASTM-A242 high-strength, low-alloy plate with non-sparking safety cover grates of AA-7075-T6 Fed. Spec. QQ-A-250/12 material with circular grate openings. Two 4" threaded double outlet connections.

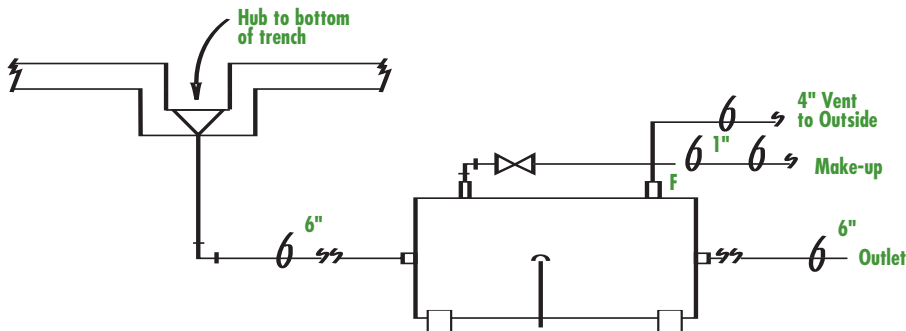
Optional Equipment: Flashing flange and clamping ring.

NON-SPARKING INLET GRATES

The cover grates shall be of a non-sparking metallic material and shall be loosely set to permit ready access to the interior of the drain.

*These specifications
contain guidance material
which may be used
verbatim by specifying
engineers for possible
procurement purposes.*

*Specially made.
Contact Engineering.*



TYPICAL INSTALLATION

Install unit within 10 feet of the landing pad. If unit is installed at greater distances from the pad, the unit must be sized accordingly.

DESIGN CONSIDERATIONS

Careful consideration must be given to all aspects of design and installation of the system. It shall be in accordance with the best engineering practices and provide ready accessibility for ease in operation and maintenance. Refer to storage tank section – **Page.51**.

MATERIALS

All materials specified shall be of the best quality used for the purpose intended. They shall be free from defects and imperfections that might adversely affect the serviceability of the completed installation.

PROTECTION

Provisions shall be provided to protect all portions of the installation subject to freezing. Conversely, all portions of the installation holding fuel shall be protected from thermal expansion due to the direct rays of the sun.

SIZING OF FUEL SEPARATOR

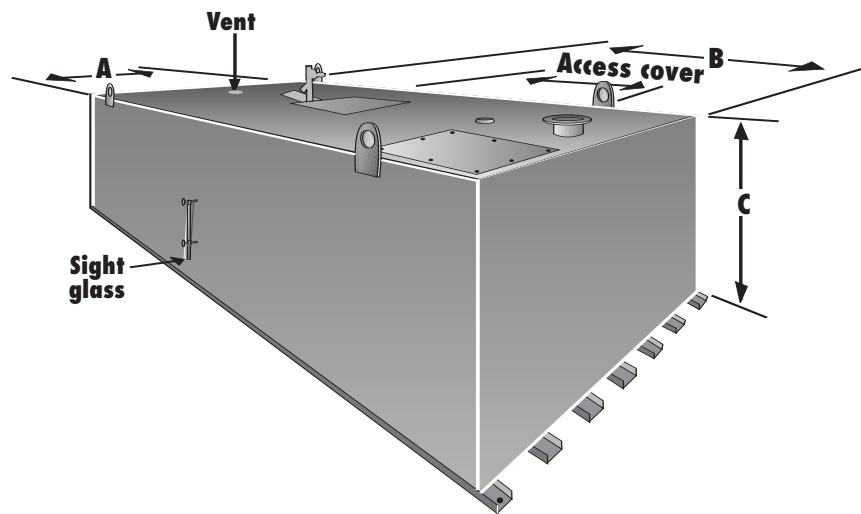
Determine the manufacturer and model of helicopter(s) that will use the pad. The fuel tank capacity of the largest helicopter using the pad will determine the model fuel separator that is to be installed. Select a fuel separator with a fuel retention capacity equal to or greater than the fuel tank capacity of the largest helicopter.

MINIMUM SIZE FUEL SEPARATOR

The water seal capacity shall not be less than 18cu. ft. with a surface area not more than 22 sq. ft. and a water seal depth of not less than 16" nor more than 18".

RHS SERIES

HELICOPTER PORT FUEL INTERCEPTORS



Model	Water Depth	Tapped Inlet and Outlet	Water Seal Gallons	Cubic Feet	Width A	Length B	Height C	Fuel Retention Capacity	Surface Area	Ullage	Shipping Weight	Operating Weight
RHS-10	1'5"	6"	135gal.	18cu.ft.	3'0"	7'6"	4'0"	35gal.	22.46sq.ft.	52.65cu.ft.	1,650lb.	4,000lb.
RHS-20	1'5"	6"	175gal.	23.3cu.ft.	4'0"	10'6"	4'0"	65gal.	41.77sq.ft.	56.28cu.ft.	2,975lb.	6,300lb.
RHS-30	1'5"	6"	200gal.	26.6cu.ft.	5'3"	11'0"	4'0"	90gal.	57.75sq.ft.	135.14cu.ft.	3,524lb.	8,650lb.
RHS-40	1'5"	6"	300gal.	40cu.ft.	7'8"	16'0"	4'0"	195gal.	125.31sq.ft.	279.77cu.ft.	5,000lb.	15,000lb.
RHS-50	1'5"	6"	350gal.	46.6cu.ft.	8'0"	17'9"	4'0"	220gal.	141.17sq.ft.	332.28cu.ft.	5,600lb.	19,000lb.
RHS-60	1'5"	6"	395gal.	52.48cu.ft.	8'0"	20'0"	4'0"	250gal.	160sq.ft.	400cu.ft.	6,220lb.	21,360lb.

LARGER UNITS AVAILABLE.

LARGER UNITS AVAILABLE.

Call for specifications.

Specially made.

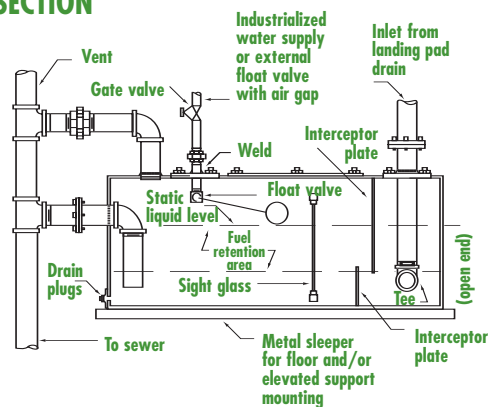
Contact Engineering.

Job Specification: Helicopter port fuel interceptor shall be Rockford Interceptors as manufactured by Rockford Sanitary Systems, Rockford, Illinois and as noted on plans.

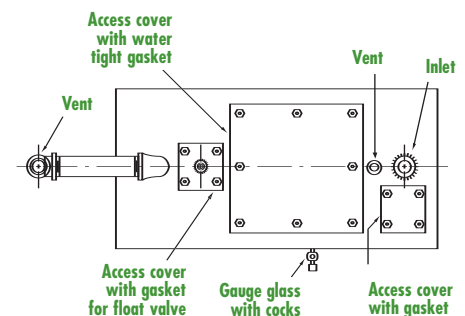
Interceptor Specifications: Furnish Rockford Model **RHS-_____** Helicopter Port Fuel Interceptor constructed entirely from high-strength, low-alloy plate 1/4" ASTM-A242, 6" flanged inlet and outlet, with outlet vent connection, 4" internal vent connections, gasketed access covers secured with stainless steel bolts, 2" fuel drain connection, 1" fresh water supply connection with gate valve, back flow preventer, automatic water level float valve, external sight glass water level indicator with drain cocks, 2" interceptor drain plugs, channel support rails and body corner lifting lugs. Body of interceptor shall be welded inside and outside, water tested, thoroughly air dried, coated inside and outside with OPEX® Shop Coat coatings.

Optional Equipment: Elevated support frame or elevated support frame with walkway.

SECTION



PLAN



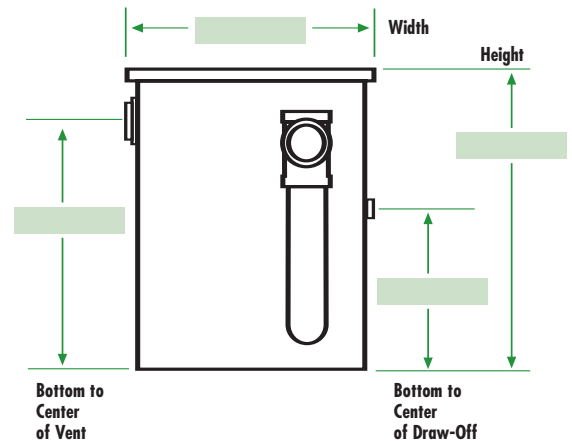
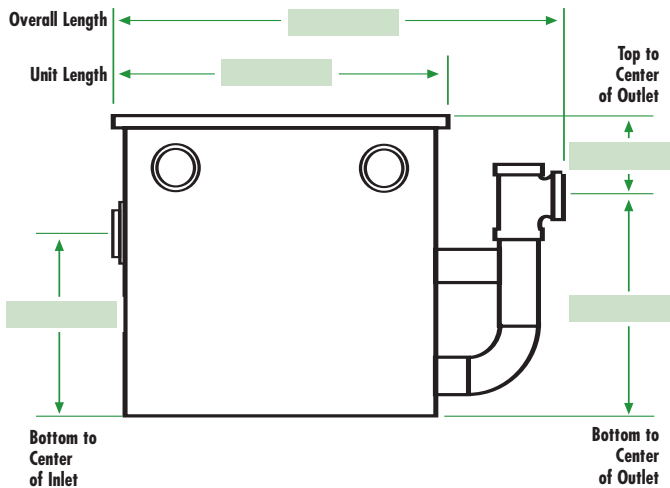
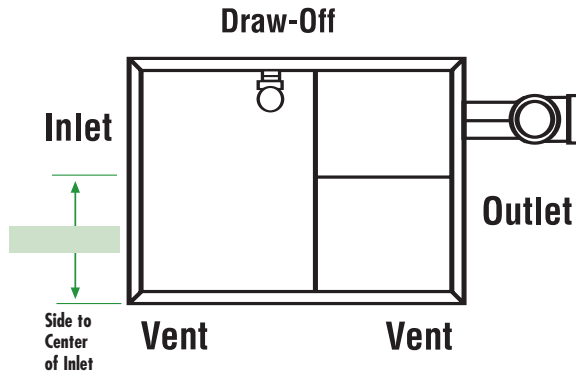
OS SERIES

SPECIFICATION DRAWINGS

Oil/Water Separator

For 3" and 4" Inlet/Outlet

Go to www.rkfdseparators.com for individual unit specification drawings



NOTE: Anchor Flange requires minimum 3.00" of extension.

Specifications: Rockford Model **OS-** _____ all-welded 1/4" A36 steel separator, _____ gallon static holding capacity, _____ g.p.m. intermittent flow, _____" tapped inlet/outlet, _____" tapped oil draw-off connection for adjustable oil outlet draw-off, visible double-wall outside trap seal, non-removable separator screen with easily removable filter screen, removable 3/8" nonskid diamond treadplate cover(s) for flush-with-floor installation suitable for pedestrian traffic secured with stainless steel flat head screws, heavy-duty leakproof gasket, OPEX® Shop Coat coating inside and bituminous coating outside.

Optional Features (Additional Cost):

- | | |
|--|---|
| <input type="checkbox"/> Anchor Flange | <input type="checkbox"/> Sediment Basket |
| <input type="checkbox"/> Filter Medium | <input type="checkbox"/> Integral Extension _____ Inches |
| <input type="checkbox"/> Recessed Lift Handles in Cover(s) | <input type="checkbox"/> Inlet & Outlet Size _____ Inches |
| <input type="checkbox"/> Epoxy Coating | <input type="checkbox"/> Double-wall Construction |
| <input type="checkbox"/> Anodes | <input type="checkbox"/> Leak Detection |
| <input type="checkbox"/> Reinforced Cover(s) _____ Load | <input type="checkbox"/> Coalescing Pack |
| <input type="checkbox"/> Stainless Steel Construction | |

Quote # _____

Job Name _____

Approved by _____

Company _____

Date _____

**Rockford
Separators**

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www.rkfdseparators.com • rssem@rkfdseparators.com

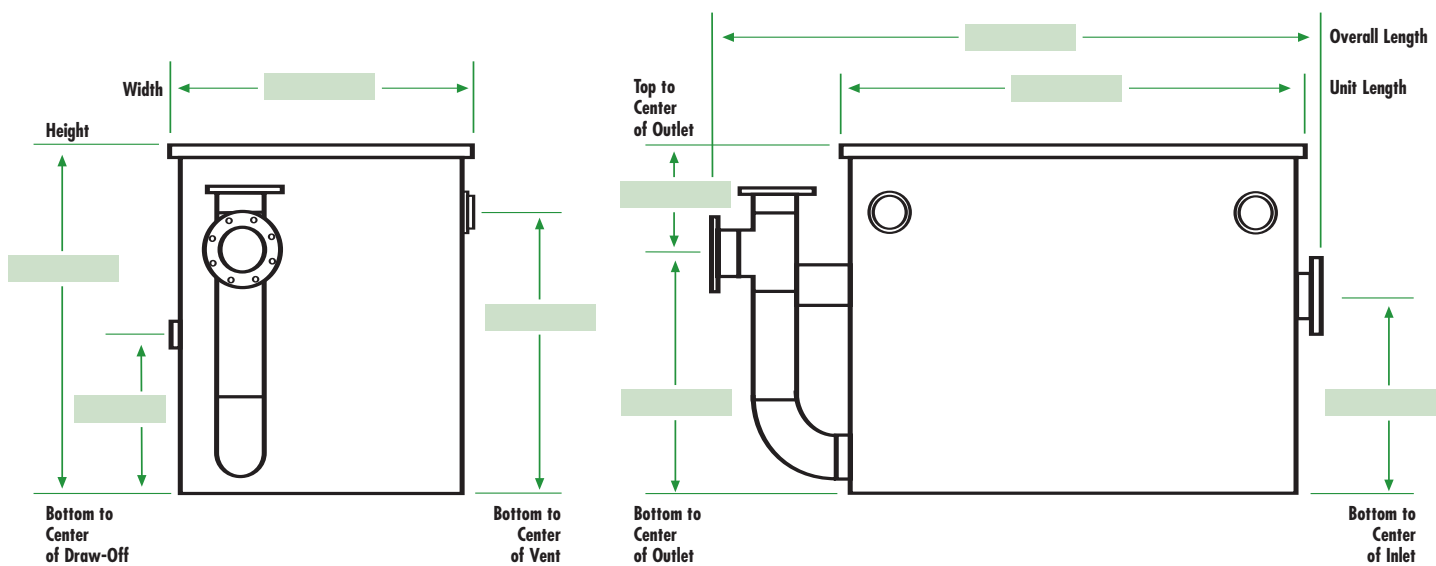
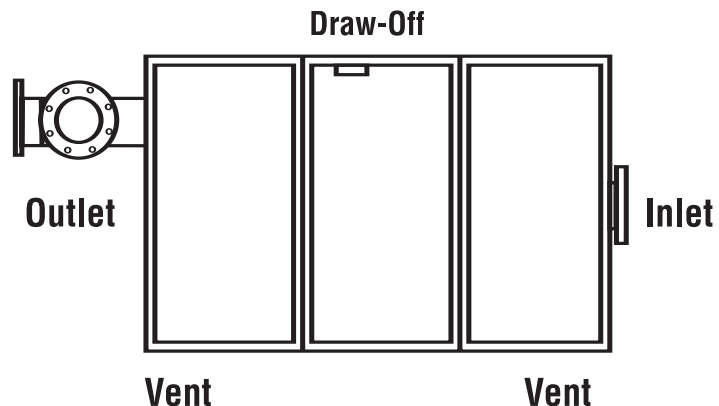
OS SERIES

SPECIFICATION DRAWINGS

Oil/Water Separator

For 6" Inlet/Outlet and Above

Go to www.rkfdseparators.com for individual unit specification drawings



NOTE: 6.00" Inlet/Outlet and Larger are Companion Flange Connections.

Specifications: Rockford Model **OS-** _____ all-welded 1/4" A36 steel separator, _____ gallon static holding capacity, _____ g.p.m. intermittent flow, _____" companion flanged inlet/outlet, _____" tapped oil draw-off connection for adjustable oil outlet draw-off, visible double-wall outside trap seal, non-removable separator screen with easily removable filter screen, removable 3/8" nonskid diamond treadplate cover(s) for flush-with-floor installation suitable for pedestrian traffic secured with stainless steel flat head screws, heavy-duty leakproof gasket, OPEX® Shop Coat coating inside and bituminous coating outside.

Optional Features (Additional Cost):

- | | |
|--|---|
| <input type="checkbox"/> Anchor Flange | <input type="checkbox"/> Integral Extension _____ Inches |
| <input type="checkbox"/> Filter Medium | <input type="checkbox"/> Inlet & Outlet Size _____ Inches |
| <input type="checkbox"/> Recessed Lift Handles in Cover(s) | <input type="checkbox"/> Double-wall Construction |
| <input type="checkbox"/> Epoxy Coating | <input type="checkbox"/> Leak Detection |
| <input type="checkbox"/> Anodes | <input type="checkbox"/> Coalescing Pack |
| <input type="checkbox"/> Reinforced Cover(s) _____ Load | <input type="checkbox"/> Hold Down Pads |
| <input type="checkbox"/> Stainless Steel Construction | <input type="checkbox"/> Aluminum Cover(s) |
| <input type="checkbox"/> Sediment Basket | <input type="checkbox"/> Hub Connection |

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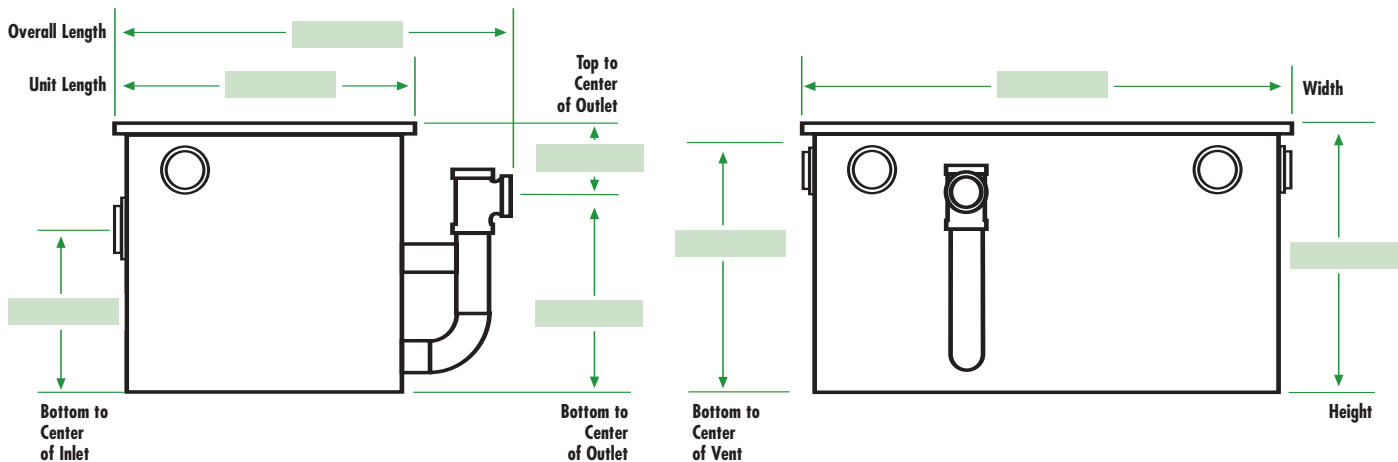
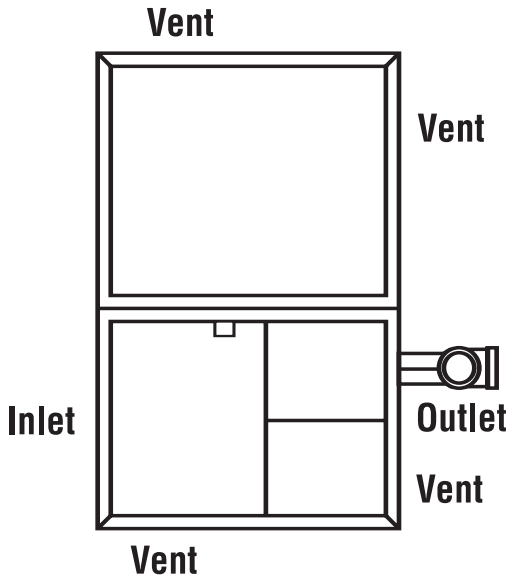
OST SERIES

SPECIFICATION DRAWINGS

Oil/Water Separator
with Integral Storage

For 3" and 4" Inlet/Outlet

Go to www.rkfdseparators.com for
individual unit specification drawings



NOTE: Anchor Flange requires minimum 3.00" of extension on **OST-5642** and smaller.

Specifications: Rockford Model **OST-** _____ all-welded 1/4" A36 steel separator, _____ gallon static holding capacity, _____ gallon waste storage, _____ g.p.m. intermittent flow, _____ " tapped inlet/outlet, visible double-wall outside trap seal, non-removable separator screen with easily removable filter screen, removable 3/8" nonskid diamond treadplate cover(s) for flush-with-floor installation suitable for pedestrian traffic secured with stainless steel flat head screws, heavy-duty leakproof gasket, OPEX® Shop Coat coating inside and bituminous coating outside.

Optional Features (Additional Cost):

- | | |
|--|---|
| <input type="checkbox"/> Anchor Flange | <input type="checkbox"/> Integral Extension _____ Inches |
| <input type="checkbox"/> Filter Medium | <input type="checkbox"/> Inlet & Outlet Size _____ Inches |
| <input type="checkbox"/> Recessed Lift Handles in Cover(s) | <input type="checkbox"/> Double-wall Construction |
| <input type="checkbox"/> Epoxy Coating | <input type="checkbox"/> Leak Detection |
| <input type="checkbox"/> Anodes | <input type="checkbox"/> High Level Sensor & Alarm |
| <input type="checkbox"/> Reinforced Cover(s) _____ Load | <input type="checkbox"/> Coalescing Pack |
| <input type="checkbox"/> Stainless Steel Construction | <input type="checkbox"/> Pump Out Connection |
| <input type="checkbox"/> Sediment Basket | |

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Company _____

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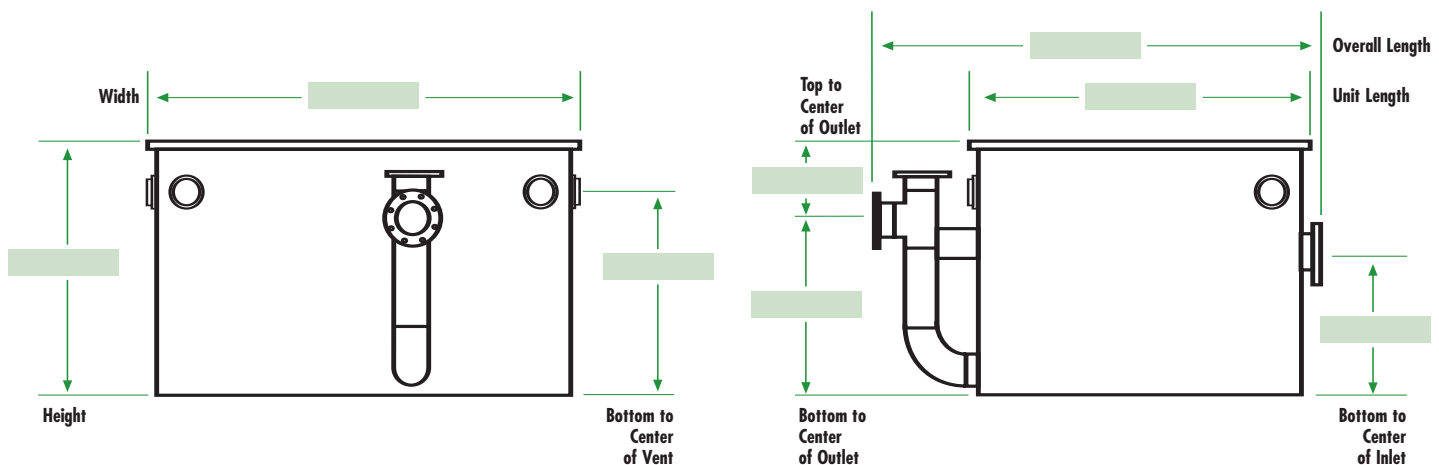
OST SERIES

SPECIFICATION DRAWINGS

Oil/Water Separator
with Integral Storage

For 6" Inlet/Outlet

Go to www.rkfdseparators.com for
individual unit specification drawings



NOTE: 6.00" Inlet/Outlet and Larger are Companion Flange Connections.

Specifications: Rockford Model **OST-** _____ all-welded 1/4" A36 steel separator, _____ gallon static holding capacity, _____ gallon waste storage, _____ g.p.m. intermittent flow, _____ " companion flanged inlet/outlet, visible double-wall outside trap seal, non-removable separator screen with easily removable filter screen, removable 3/8" nonskid diamond treadplate cover(s) for flush-with-floor installation suitable for pedestrian traffic secured with stainless steel flat head screws, heavy-duty leakproof gasket, OPEX® Shop Coat coating inside and bituminous coating outside.

Optional Features (Additional Cost):

- | | |
|--|---|
| <input type="checkbox"/> Anchor Flange | <input type="checkbox"/> Integral Extension _____ Inches |
| <input type="checkbox"/> Filter Medium | <input type="checkbox"/> Inlet & Outlet Size _____ Inches |
| <input type="checkbox"/> Recessed Lift Handles in Cover(s) | <input type="checkbox"/> Double-wall Construction |
| <input type="checkbox"/> Epoxy Coating | <input type="checkbox"/> Leak Detection |
| <input type="checkbox"/> Anodes | <input type="checkbox"/> High Level Alarm & Panel (ACT) |
| <input type="checkbox"/> Reinforced Cover(s) _____ Load | <input type="checkbox"/> Coalescing Pack |
| <input type="checkbox"/> Stainless Steel Construction | <input type="checkbox"/> Pump Out Connection |
| <input type="checkbox"/> Sediment Basket | |

Quote # _____

Job Name _____

Approved by _____

Company _____

Date _____



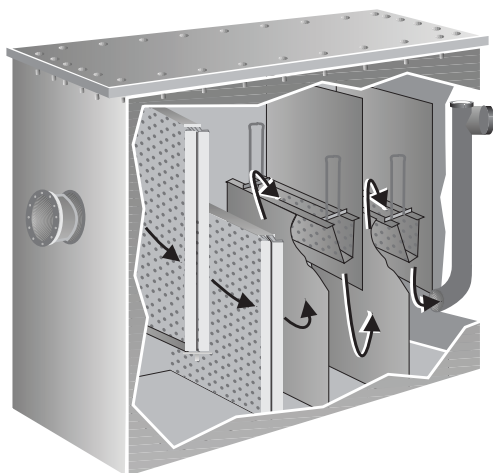
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ROCKFORD SEPARATORS

LINT SEPARATORS

GENERAL INFORMATION



Our simple design is a perfect application of the principle of nature's own law of gravity in separating lighter-than-water wastes from heavier-than-water matter. These light-density lint substances, as well as buttons and other waste coming from clothes washers, are retained in the Rockford Separator.

Note the course of water travel in cut-open view. The arrows designate the course waste water enters inlet, passing through the primary filter and on thru the secondary filter and then the flow is directed downward to outlet opening, up through the outside visible trap, and finally through the horizontal opening in outlet tee to the drainage system. There is no straight in-and-out travel from the inlet to the outlet of the separator.

For continuous or severe operation, consult our Engineering Department.

CONSTRUCTION

The **RLS Series** Separator is built of all-welded heavy-duty steel plate for maximum strength and durability. Both the interior and exterior are coated to resist acid corrosion. These units have removable covers for on-the-floor, partially recessed or flush-with-floor installation, suitable for pedestrian traffic or reinforced for heavy traffic. The cover is secured to the body with recessed stainless steel bolts and includes an extra-heavy leakproof gasket.

Separating screens and a flow-regulator filter screen regulate flow and filter waste water, making outside flow control or retarder unnecessary. The outlet is separated from the main body of the unit, meeting all plumbing code requirements of an outside visible trap seal.

All units are available in double-wall construction with leak detection if specified.

COR-TEN® INFORMATION

Cor-Ten® high-strength, low carbon steel with its high strength and outstanding resistance to atmospheric corrosion is available where maintenance cost savings are prime considerations. Even in an unpainted condition, Cor-Ten® has a tightly adherent oxide surface which stops further oxidation. Painted or coated, this characteristic is further enhanced. The reliability and strength of this material has been proven in many applications, such as railroad cars, bridges and two of the tallest buildings in the world: the John Hancock Building and the Sears Tower in Chicago.

SAFETY FEATURES

Visible double-wall outside trap seal with vent connection prevents siphoning. Separate internal vent connection keeps pressure from building up inside the unit and from forcing contents into the drainage system through the vent; also releases any fumes which may build up inside the unit. To combat suds blow up, contact our Engineering Department.

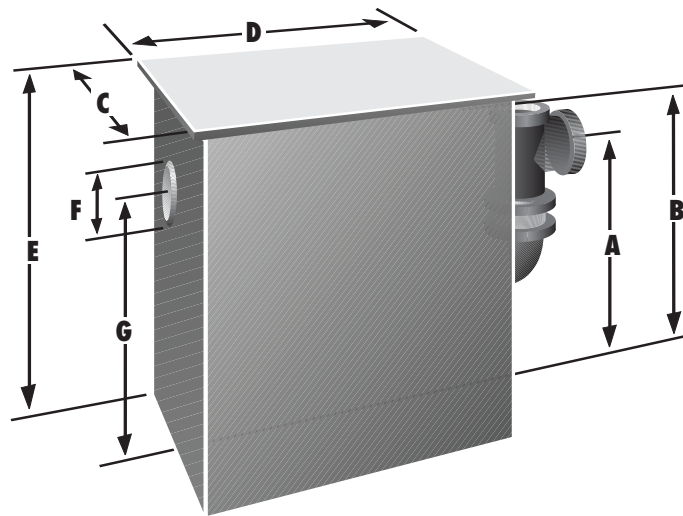
METHOD OF OPERATION

There is no straight in and out travel from inlet to outlet. Waste water enters inlet, passing through the primary filter and on thru the secondary filter and then the flow is directed downward to outlet opening, up through the outside visible trap, and finally through the horizontal opening in outlet tee to the drainage system. The number of filters will vary depending on the size of the unit. When the primary filter becomes clogged the flow is directed downward and to the next filter. This process continues until the final filter becomes clogged. When this occurs the flow through the separator will slow down and eventually shut off. Slow down of the flow is an indication that the filters need cleaning and/or replacing.

For inside and outside installation, to receive lint, buttons and other waste coming from clothes washers and commercial laundromats.

RLS SERIES

**LIGHT COMMERCIAL
LINT SEPARATORS**



Model	Static Holding Capacity	Tapped Vent	Bottom to Center of Outlet A	Bottom to Vent B	Width C	Length D	Height E	Tapped Inlet/Outlet F	Bottom to Center of Inlet G	Shipping Weight
RLS-1815	10gal.	2"	13.75"	17"	13"	21.25"	20"	2"	13.75"	100lb.
RLS-1820	20gal.	2"	17.5"	18.5"	17"	23"	24"	2"	17.5"	140lb.
RLS-2420	30gal.	2"	17.88"	24"	21"	27.25"	27"	3"	17.88"	239lb.
RLS-2635*	40gal.	2"	24"	25.5"	21"	27.25"	31"	3"	24"	248lb.
RLS-2824*	50gal.	2"	24.25"	27"	23"	29"	31"	4"	24.25"	290lb.
RLS-3050*	60gal.	2"	25.75"	27"	23"	32.25"	31"	4"	25.75"	320lb.
RLS-3224*	70gal.	2"	25.75"	27"	23"	35.75"	31"	4"	25.75"	335lb.
RLS-3475*	80gal.	2"	27"	28"	25.5"	35.75"	34"	4"	27"	360lb.
RLS-3628*	110gal.	2"	26.25"	28"	32.75"	38.25"	34"	4"	26.25"	440lb.

* Anchor flange requires 3" extension.

- Stainless steel units are available.
- Install per your local code.

Double-wall construction available.

Job Specification: Lint separators shall be Rockford Lint Separators as manufactured by Rockford Sanitary Systems, Inc., Rockford, Illinois, and as noted on plans.

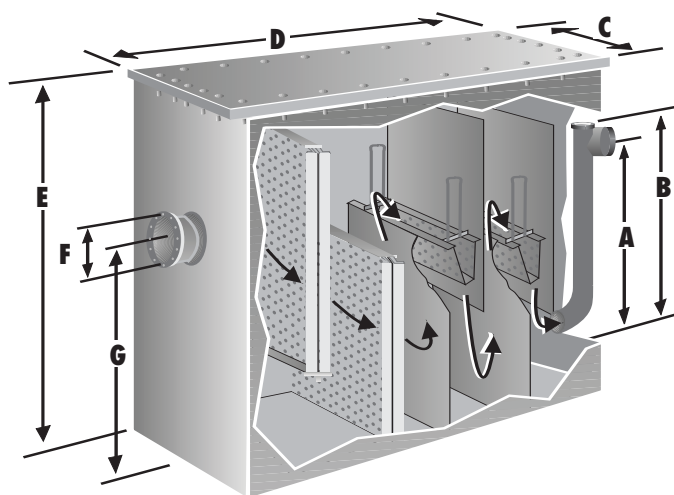
Separator Specifications: Furnish _____ Rockford Model **RLS-**_____ all-welded 10 gauge steel separators _____" tapped inlet and outlet with tapped _____" internal vent connection, visible double-wall outside trap seal, easily removable stainless steel filter for cleaning, removable 3/8" nonskid diamond treadplate cover(s) for flush-with-floor installation suitable for pedestrian traffic, sealed with heavy-duty leakproof gasket, secured with stainless steel flat head screws, OPEX® Shop Coat coating inside and bituminous coating outside for flush-with-floor installation.

Optional Features: OPEX® Shop Coat coating outside for on-the-floor installation, aluminum cover, anchor flange with or without clamping ring, integral extension to grade, epoxy coating, all stainless steel construction, **double-wall construction**. Cover(s) fastened with stainless steel vandal-proof bolts. Contact our Engineering Department.

ROCKFORD SEPARATORS

RLS SERIES

HEAVY COMMERCIAL LINT SEPARATORS



Model	Static Holding Capacity	Tapped Vent	Bottom to Center of Outlet A	Bottom to Vent B	Width C	Length D	Height E	Inlet/Outlet F	Bottom to Center of Inlet G	Shipping Weight
RLS-5*	40gal.	2"	21"	23"	21.25"	27.5"	27"	4"	21"	389lb.
RLS-10*	67gal.	2"	25.75"	27"	23.25"	36"	31"	4"	25.75"	605lb.
RLS-15*	110gal.	2"	26.25"	27"	32.88"	38.38"	31"	4"	26.25"	705lb.
RLS-20	150gal.	3"	26.25"	27"	26.75"	60"	36"	4"	26.25"	967lb.
RLS-25	200gal.	3"	29"	32"	26.75"	80.75"	40"	• 6"	29"	1,180lb.
RLS-40	300gal.	3"	40"	45"	26.75"	80.75"	55"	• 6"	40"	1,468lb.
RLS-55	400gal.	3"	53"	65"	26.75"	80.75"	75"	• 6"	53"	2,020lb.
RLS-70	500gal.	3"	44"	51"	38.75"	80.75"	60"	• 6"	44"	2,525lb.
RLS-100	750gal.	3"	55"	65"	38.75"	98.75"	75"	• 6"	55"	2,650lb.
RLS-135	1,000gal.	3"	51.5"	62"	50.75"	104.75"	72"	• 6"	51.50"	3,300lb.
RLS-200	1,500gal.	3"	75.5"	84"	50.75"	104.75"	96"	• 6"	75.50"	4,500lb.

LARGER UNITS AVAILABLE.

Job Specification: Lint separators shall be Rockford Lint Separators as manufactured by Rockford Sanitary Systems, Inc., Rockford, Illinois, and as noted on plans.

Separator Specifications: Furnish _____ Rockford Model **RLS-**_____ all-welded 1/4" steel separators _____" tapped inlet and outlet with tapped _____" internal vent connection, visible double-wall outside trap seal, easily removable stainless steel filters for cleaning, removable 3/8" nonskid diamond treadplate cover(s) for flush-with-floor installation suitable for pedestrian traffic, sealed with heavy-duty leakproof gasket, secured with stainless steel flat head screws, OPEX® Shop Coat coating inside and bituminous coating outside for flush-with-floor installation.

Optional Features: OPEX® Shop Coat coating outside for on-the-floor installation, aluminum cover(s), anchor flange with or without clamping ring, integral extension to grade, epoxy coating, all stainless steel construction, **double-wall construction**. Cover(s) fastened with stainless steel vandal-proof bolts. Contact our Engineering Department.

- * Anchor flange requires 3" extension.
- 6" & larger – companion flange connection.

Double-wall construction available.

LARGER UNITS AVAILABLE.

Call for specifications.

NOTES



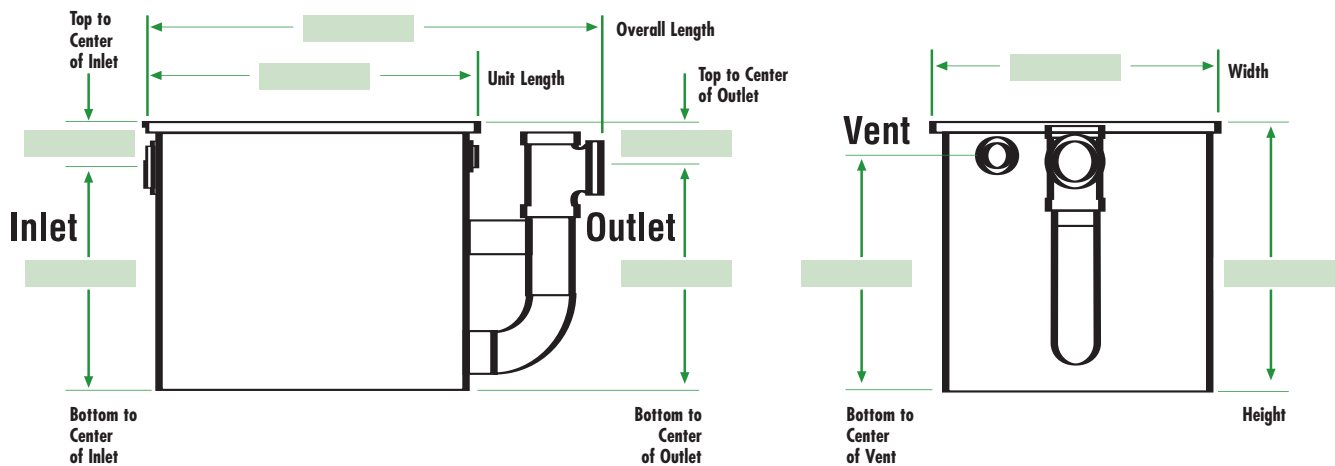
RLS SERIES

SPECIFICATION DRAWINGS

Lint Separator

For 4" Inlet/Outlet

Go to www.rkfdseparators.com for individual unit specification drawings



NOTE: Anchor Flange requires minimum 3.00" of extension on RLS-15 and smaller.

Specifications: Rockford Model **RLS-** _____ all-welded 1/4" A36 steel separator, _____ gallon static holding capacity, _____ " tapped inlet/outlet with _____ " tapped vent connection, visible double-wall outside trap seal, removable 3/8" nonskid diamond treadplate cover(s) for flush-with-floor installation suitable for pedestrian traffic secured with stainless steel flat head screws, heavy-duty leakproof gasket, easily removable filters for cleaning, OPEX® Shop Coat coating inside and bituminous coating outside.

Optional Features (Additional Cost):

- | | |
|--|--|
| <input type="checkbox"/> Anchor Flange | <input type="checkbox"/> Reinforced Cover(s) _____ Load |
| <input type="checkbox"/> Aluminum Cover(s) | <input type="checkbox"/> Stainless Steel Construction |
| <input type="checkbox"/> Recessed Lift Handles in Cover(s) | <input type="checkbox"/> Integral Extension _____ Inches |
| <input type="checkbox"/> Epoxy Coating | <input type="checkbox"/> Double-wall Construction |
| <input type="checkbox"/> Anodes | <input type="checkbox"/> Leak Detection |

Quote # _____

Job Name _____

Approved by _____

Company _____

Date _____



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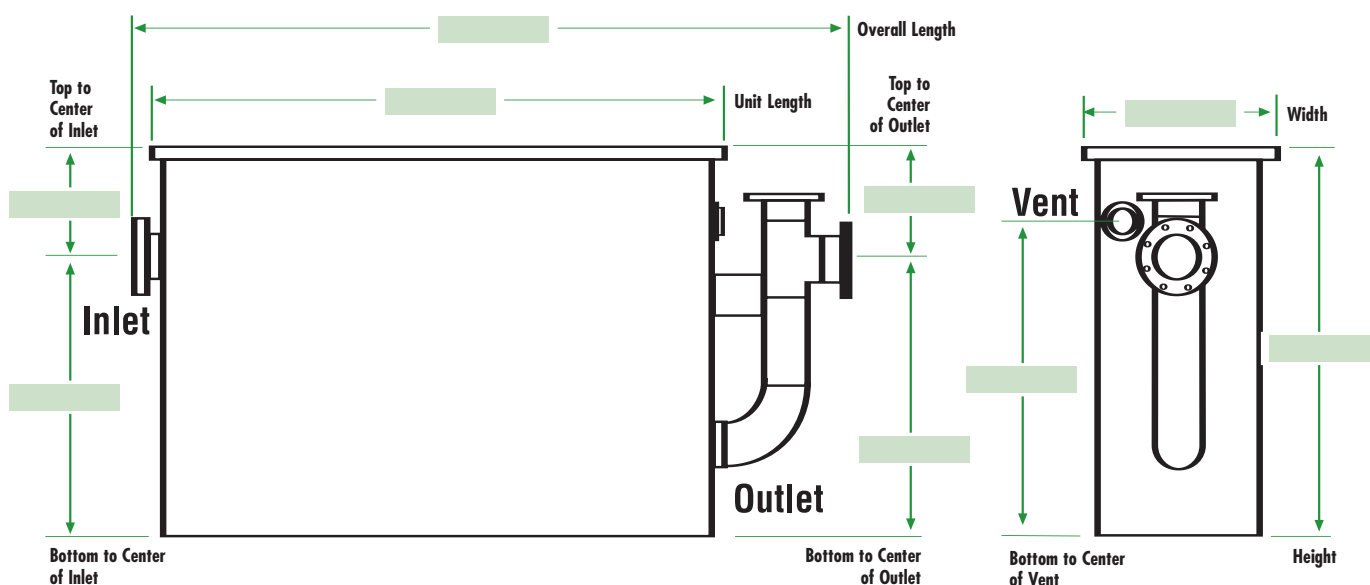
RLS SERIES

SPECIFICATION DRAWINGS

Lint Separator

For 6" Inlet/Outlet and Above

Go to www.rkfdseparators.com for individual unit specification drawings



NOTE: 6.00" Inlet/Outlet and Larger are Companion Flange Connections.

Specifications: Rockford Model **RLS-** _____ all-welded 1/4" A36 steel separator, _____ gallon static holding capacity, _____ " companion flanged inlet/outlet with _____ " tapped vent connection, visible double-wall outside trap seal, removable 3/8" nonskid diamond treadplate cover(s) for flush-with-floor installation suitable for pedestrian traffic secured with stainless steel flat head screws, heavy-duty leakproof gasket, easily removable filters for cleaning, OPEX® Shop Coat coating inside and bituminous coating outside.

Optional Features (Additional Cost):

- | | |
|--|--|
| <input type="checkbox"/> Anchor Flange | <input type="checkbox"/> Reinforced Cover(s) _____ Load |
| <input type="checkbox"/> Aluminum Cover(s) | <input type="checkbox"/> Stainless Steel Construction |
| <input type="checkbox"/> Recessed Lift Handles in Cover(s) | <input type="checkbox"/> Integral Extension _____ Inches |
| <input type="checkbox"/> Epoxy Coating | <input type="checkbox"/> Double-wall Construction |
| <input type="checkbox"/> Anodes | <input type="checkbox"/> Leak Detection |

Quote # _____

Job Name _____

Approved by _____

Company _____

Date _____



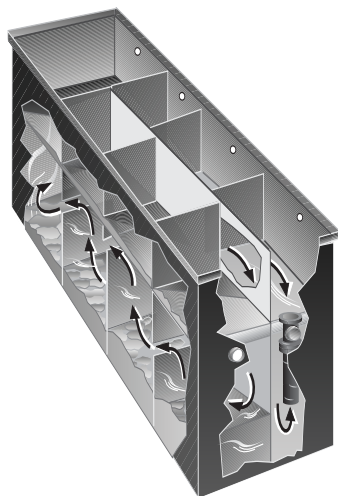
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ROCKFORD SEPARATORS

SEDIMENT SEPARATORS

GENERAL INFORMATION



DESIGN

The **GSS Series** Separator is designed for the specific purpose of retaining and separating sand, gravel and similar waste material, in addition to any oily or greasy wastes contained therein. This is accomplished through the characteristic features of minimum turbulence, maximum length of water travel, and internal flow regulation through its screens.

The Rockford design utilizes the principle of nature's own law of gravity in separating lighter-than-water waste, retaining both in the separator. Light oily and greasy waste matter rises to the surface, while the heavy solids and sand sink to the bottom (refer to cut-open view above). Mechanical pumping is the customary method of cleaning out the accumulated waste matter.

CONSTRUCTION

Built of all-welded 1/4" heavy-duty steel plate for strength and durability. Removable covers constructed of 3/8" nonskid diamond pattern treadplate for flush-with-floor installation suitable for pedestrian traffic and secured to body of unit with recessed stainless steel bolts. (Covers can be reinforced for installation in an area subject to vehicular traffic.)

Extra-heavy leakproof and airtight gasket. Standard tapped inlet and outlet. Four independent internal vent connections to prevent pressure build-up and to release fumes of spilled gasoline, solvents, etc., which are major fire hazards.

Protective seal outlet acceptable to all plumbing codes. Finished with oil/acid-resistant coating inside and outside.

All units are available in double-wall construction with leak detection if specified.

COR-TEN® INFORMATION

Cor-Ten® high-strength, low carbon steel with its high strength and outstanding resistance to atmospheric corrosion is available where maintenance cost savings are prime considerations. Even in an unpainted condition, Cor-Ten® has a tightly adherent oxide surface which stops further oxidation. Painted or coated, this characteristic is further enhanced. The reliability and strength of this material has been proven in many applications, such as railroad cars, bridges and two of the tallest buildings in the world: the John Hancock Building and the Sears Tower in Chicago.

METHOD OF OPERATION

The flow of waste water through the separator is controlled by ingeniously spaced stationary baffles which divide the separator into compartments of varying sizes, as shown in the cut-open view above and on **Page.72**.

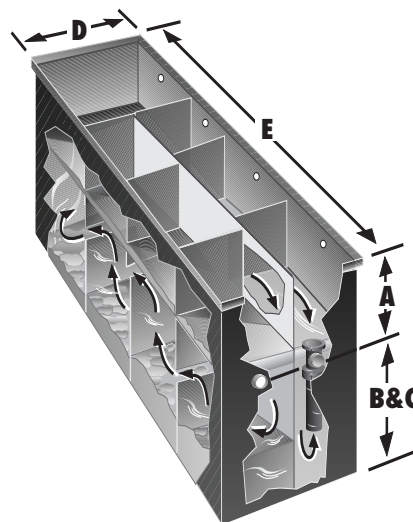
From the inlet, the waste water is directed upward and downward through the openings at varied positions in the strategically placed separating baffles on the inlet side of the separator. Then it is guided in a flow across the large end compartment. When it reaches the outlet of the unit, it is again directed in an upward and downward movement through a second series of separating baffles. Its final course is downward through the flow control filter screen and then upward through the outlet to the drainage system.

*For use in mechanical
washing facilities for cars,
trucks, buses, tractors,
and other vehicles.*

*For inside or outside
installation, to receive
sand, gravel, and similar
matter as well as any oil
and greasy waste
contained therein. There
is no straight in-and-out
travel of waste water.*

GSS SERIES

SEDIMENT SEPARATORS



Model	Tapped Inlet and Outlet	Static Holding Capacity		Top to Invert of Outlet A	Bottom to Invert of Inlet & Outlet B & C	Width D	Tapped Length E	Internal Vent+	Shipping Weight
Gallons	Cubic Feet								
GSS-10	4"	250gal.	33cu.ft.	2'0"	3'0"	3'0"	4'4"	2"	1,609lb.
GSS-12	4"	365gal.	49cu.ft.	2'0"	3'0"	3'0"	5'6"	2"	1,650lb.
GSS-18	4"	405gal.	54cu.ft.	2'0"	3'0"	3'0"	6'0"	2"	1,775lb.
GSS-24	4"	540gal.	72cu.ft.	2'0"	3'0"	3'0"	8'0"	2"	2,150lb.
GSS-27	4"	608gal.	81cu.ft.	2'0"	3'0"	3'0"	9'0"	2"	2,550lb.
GSS-30	4"	675gal.	90cu.ft.	2'0"	3'0"	3'0"	10'0"	2"	2,700lb.
GSS-36	4"*	810gal.	108cu.ft.	2'0"	3'0"	3'0"	12'0"	2"	3,000lb.
GSS-45	4"*	1,012gal.	135cu.ft.	2'0"	3'0"	3'0"	15'0"	2"	3,650lb.

LARGER UNITS AVAILABLE.

* Available with 6" inlet and outlet.
+ Four internal vent connections are 12" C/L below cover.

- Inlet and Outlet on opposite ends available.

Double-wall construction available.

LARGER UNITS AVAILABLE.

Call for specifications.

Job Specification: Sediment separators shall be Rockford Commercial Separators as manufactured by Rockford Sanitary Systems, Rockford, Illinois, and as noted on plans.

Separator Specifications: Furnish _____ Rockford Model **GSS-**_____ all-welded steel separators for flush-with-floor installation, _____ cu. ft. static holding capacity below invert of outlet, 4" tapped inlet and outlet, four (4) 2" tapped internal vent connections, easily removable filter screen, removable 3/8" nonskid diamond treadplate cover(s) suitable for pedestrian traffic, secured with stainless steel flat head screws, extra-heavy leakproof and airtight gasket, OPEX® Shop Coat coating inside, bituminous coating outside.

Optional Features: Separator cover(s) can be reinforced for installation in an area subject to vehicular traffic.

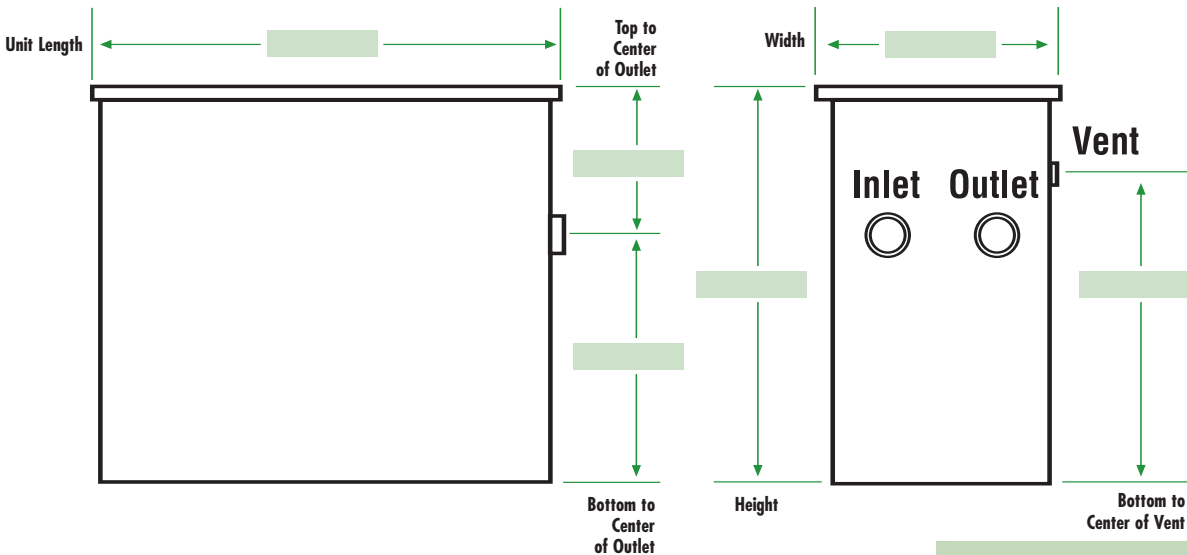
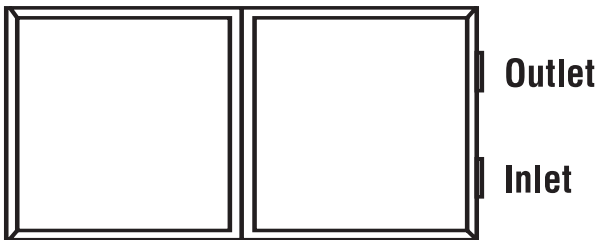
GSS SERIES

SPECIFICATION DRAWINGS

Sediment Separator

Go to www.rkfdseparators.com for individual unit specification drawings

Vents (4 places)



Specifications: Rockford Model **GSS-** _____ all-welded 1/4" steel separator, _____ gallon static holding capacity, with 4" tapped inlet/outlet and four (4) 2" tapped vent connections, easily removable filter screen, removable 3/8" nonskid diamond treadplate cover(s) for flush-with-floor installation suitable for pedestrian traffic secured with stainless steel flat head screws, heavy-duty leakproof gasket, OPEX® Shop Coat coating inside and bituminous coating outside.

Optional Features (Additional Cost):

- | | |
|--|--|
| <input type="checkbox"/> Anchor Flange | <input type="checkbox"/> Stainless Steel Construction |
| <input type="checkbox"/> Clamp Ring | <input type="checkbox"/> Sediment Basket |
| <input type="checkbox"/> Recessed Lift Handles in Cover(s) | <input type="checkbox"/> Integral Extension _____ Inches |
| <input type="checkbox"/> Epoxy Coating | <input type="checkbox"/> Aluminum Cover(s) |
| <input type="checkbox"/> Anodes | <input type="checkbox"/> Double-wall Construction |
| <input type="checkbox"/> Reinforced Cover(s) _____ Load | <input type="checkbox"/> Leak Detection |
| <input type="checkbox"/> Alternate Inlet/Outlet Size _____ | |

Quote # _____

Job Name _____

Approved by _____

Company _____

Date _____



5159 28th Avenue • Rockford, IL 61109
815.229.5077 • FAX 815.229.5108
www.rkfdseparators.com • rssem@rkfdseparators.com

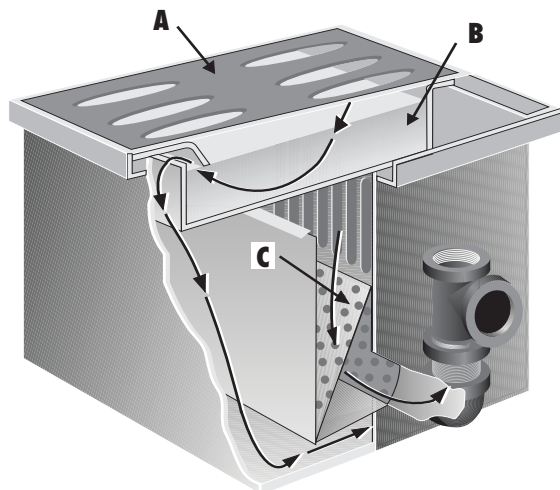
NOTES



ROCKFORD SEPARATORS

COMBINATION SEPARATOR-DRAINS

GENERAL INFORMATION



OPERATION

Note course of water travel in cut-open view. Arrows designate course from inlet grate **A** into sediment and mud pan **B**, under and through separator screen and flow-regulator filter screen **C**, to outlet. Also note separation and retention, through gravity action, of heavy sludge in sediment pan. A seal against foul odors is formed by the water in the sediment pan **B**.

RELATED INSTALLATIONS

For complete protection of garage and similar types of floor drainage, other Rockford drainage units are recommended for use in conjunction with the **SD Series**. Oil Separators: refer to **Page.49**. Trench Drains: refer to **Page.79**.

CONSTRUCTION

The **SD Series** Separator-Drain is built of all-welded heavy steel for maximum structural strength and durability. It is enamel coated inside and asphalt coated outside for resistance to corrosion. Unit has removable heavy-duty, non-breakable steel inlet grate. The grate can also be furnished in stainless steel. Separator screen (U-shaped) and filter screen (V-shaped) regulate flow and filter the waste water. They lift out for easy cleaning of the separator-drain, as does the removable sediment and mud pan which traps heavy solids. Standard tapped outlet is separated from main body of unit, providing an outside, visible trap seal. Independent internal vent connection releases trapped fumes.

COR-TEN® INFORMATION

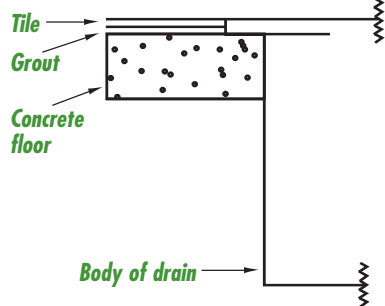
Cor-Ten® high-strength, low carbon steel with its high strength and outstanding resistance to atmospheric corrosion is available where maintenance cost savings are prime considerations. Even in an unpainted condition, Cor-Ten® has a tightly adherent oxide surface which stops further oxidation. Painted or coated, this characteristic is further enhanced. The reliability and strength of this

material has been proven in many applications, such as railroad cars, bridges and two of the tallest buildings in the world: the John Hancock Building and the Sears Tower in Chicago.

DESIGN

The **SD Series** Separator-Drain for garage and industrial floor drainage is designed to retain mud, sediment, and greasy sludge or so-called solids in its sediment pan and sludge compartment. In addition, it separates and retains greasy and oily wastes, preventing their evacuation into the drainage lines where they cause blocking and stoppages. Another exclusive feature is the automatic shut-off against incoming waste water when the holding capacity of the sediment and mud pan has been reached. The trap formed where the water passes into the lower section of the unit is the point where stoppage occurs until the drain has been cleaned.

SD Separator-Drain installed in tiled floor



Square corners make the **SD Series** separator-drain ideal for use with any type of tile, eliminating costly tile cutting required by old-fashioned round drains and assuring proper pitch for water run-off without unsightly puddles around the drain.

WHEN TO CLEAN THE DRAIN SD AND RSD Series:

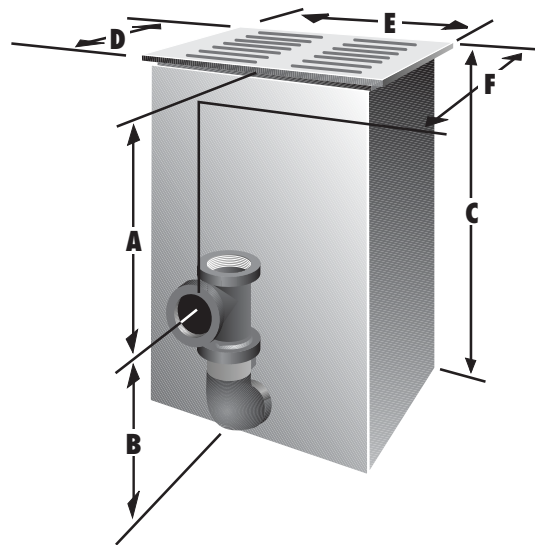
When the holding capacity of the sediment and mud pan has been reached, it will stop entry of incoming waste water through the inlet grate.

This is the signal that the separator drain needs cleaning. However, it is best not to wait until this happens. A gradual sluggishness in off-the-floor draining is a warning that the unit is ready for cleaning.

HOW TO CLEAN THE DRAIN

1. Remove the inlet grate.
2. Remove sediment and mud pan, and clean it.
3. Lift out V-shaped filter screen and U-shaped separator screen.
4. Scoop out heavy sludge from bottom of unit.
5. Replace U-screen, sediment and mud pan, and inlet grate.

Rockford Drains prevent any off-the-floor sediment, solids, or other foreign waste matter from entering the drainage system. Features include heavy-duty inlet grate, integral deep seal trap, sediment pan, wide anchor flange, double vent connections, cleanout at floor level, 4" auxiliary inlet.

SD
SERIESCOMBINATION
SEPARATOR-DRAINS

Model	Greasy Sludge Capacity	Liquid Holding Capacity	Tapped* Outlet	Tapped Internal Rear Vent	Top to Center of Outlet A	Bottom to Center of Outlet B	Height C	Width of Drain D	Length E	Overall Width F	Top to Rear Vent	Open Grate+ Area	Number of Inlet Grates	Sediment Pans	Shipping Weight
SD-18	12lb.	3.5gal.	2"	-	4.5"	10.5"	15"	10"	12"	14"	-	16sq.in.	1	1	67lb.
SD-20	23lb.	6.5gal.	3"	-	7.5"	12.5"	20"	14"	16"	24"	-	20sq.in.	1	1	116lb.
SD-25	77lb.	22gal.	4"	2"	7.625"	17.625"	25.25"	19"	20.5"	27"	6"	22sq.in.	1	1	305lb.
SD-30	105lb.	30gal.	4"	2"	10"	23"	33"	19"	20.5"	27"	6"	22sq.in.	1	1	339lb.
SD-40	193lb.	55gal.	4"	2"	10"	22"	32"	22.5"	30"	30.5"	6"	32sq.in.	1	1	457lb.
SD-48	350lb.	100gal.	4"	2"	10"	22"	32"	30"	44.625"	38"	6"	64sq.in.	2	2	743lb.
SD-60	438lb.	125gal.	• 6"	3"	11"	27"	38"	22.5"	60.5"	34.5"	8"	64sq.in.	2	2	882lb.
SD-72	665lb.	190gal.	• 6"	3"	11"	27"	38"	30"	66.75"	42"	8"	70sq.in.	3	2	1,091lb.
SD-84	910lb.	260gal.	• 6"	3"	11"	27"	38"	30"	88.75"	42"	8"	100sq.in.	4	2	1,383lb.
SD-96	1,155lb.	330gal.	• 6"	3"	15"	29"	44"	30"	111"	42"	9"	120sq.in.	5	2	1,695lb.

* Smaller outlets available.

+ 3/8" x 3" slots (optional circular openings not available on SD-18 – 3/8" x 3" slots only).

• 6" & larger – companion flange connection.

Job Specification: Drains shall be Rockford Combination Separator-Drains, as manufactured by Rockford Sanitary Systems, Inc., Rockford, Illinois, and as noted on plans.

Separator-Drain Specifications: Furnish _____ Rockford Model **SD-**_____ all-welded steel combination separator-drains, _____" (tapped) (hubbed) outlet with outlet vent connection, _____" internal rear vent connection, visible double-wall outside trap seal, (easily removable) (tamper-proof) non-breakable inlet grate of (steel) (polished brass) with slotted inlet grate openings, grate suitable for _____ (specify pedestrian traffic or reinforced for heavy vehicular traffic), removable sediment and mud pan, separator screen, and filter screen, OPEX® Shop Coat coating inside, bituminous coating outside.

Optional Features: Inlet grate of stainless steel, concrete anchor flange with or without non-puncturing clamping ring, weep holes. Epoxy coated. Circular inlet grate openings. Integral extensions available.

Note for Grates: All standard grates are made with ASTM A242 material. A) Stock grates rated at 500# wheel load. B) Light traffic rated at 1000# wheel load (H-10). C) Heavy traffic rated at 16,000# wheel load (H-20).

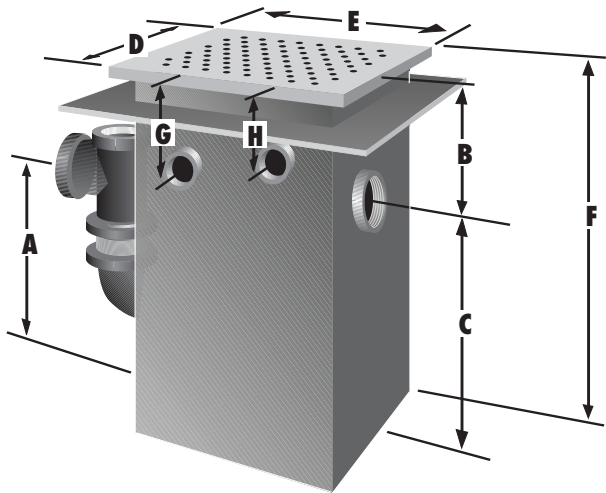
HOW TO ORDER

When an extension is needed to meet deep roughing-in of the outlet, select the separator drain of the right size and capacity from the table. Then determine required dimension **A** from center of outlet to top of inlet grate.

Dimension **A** is variable and can be specified to a fraction of an inch; integral extensions in 6-inch increments indicate price breaks. Dimension **A** plus dimension **B** is the overall height of separator drain **C**.

RSD SERIES

GARAGE DRAINS



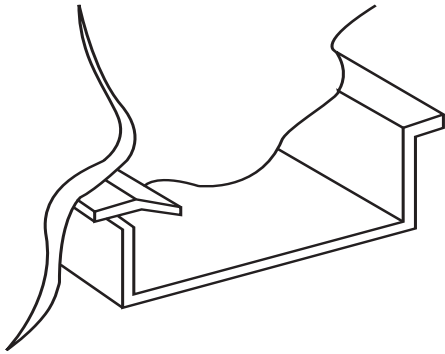
Model	Vents	Tapped Outlet and Auxiliary Inlet	Bottom to Center of Outlet A	Top to Center of Inlet B	Bottom to Center of Inlet C	Width D	Length E	Height F	Top to Center of Vent G	Top to Center of Vent H	Shipping Weight
RSD-30-RC	2"	4"	18"	10"	20"	19"	20.5"	30"	8"	6"	317lb.
RSD-30-IC	2"	4"	28"	10"	34"	19"	20.5"	44"	8"	6"	380lb.

Job Specification: Garage drain shall be heavy-duty type as manufactured by Rockford Sanitary Systems, Inc., Rockford, Illinois, and as noted on plans.

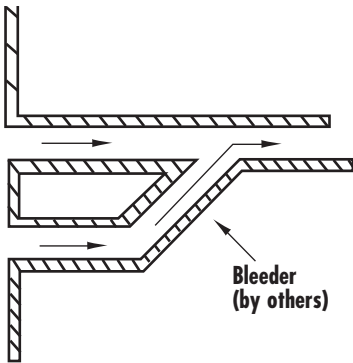
Drain Specifications: Furnish _____ Rockford Model **RSD-30-RC** Garage Drain (or Rockford Model **RSD-30-IC** Garage Drain with extra-deep body) with heavy-duty, non-breakable ASTM-A242 Cor-Ten® inlet grate, integral deep seal trap, removable sediment pan, extra-wide concrete anchor flange, double vent connections and cleanout level with floor. OPEX® Shop Coat coating inside and bituminous coating outside.

Optional Features: Non-puncturing flashing clamping device with stainless steel bolts. Epoxy coating inside and outside.

Sediment Pan



Section of Dual Safety Vent Arrangement



TYPICAL INSTALLATIONS

The **RSD Series** Garage Drains have been designed for use in multi-story garage structures, upper level garage facilities, parking concourses and driveway approach ramps. The medium depth of the **RSD-RC** garage drain permits its use in upper level facilities. The extra-deep body of the **RSD-IC** permits its use at grade level or where there is no open area below the drain.

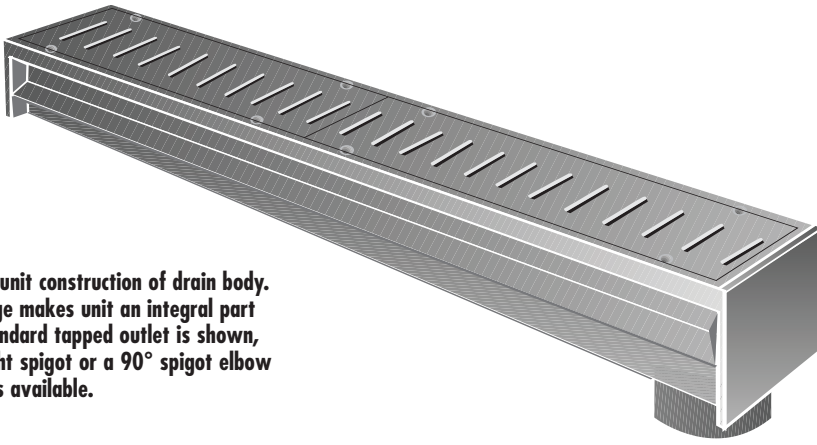
This is **not** an oil separator. The **RSD Series** Garage Drain should be used in conjunction with an oil separator. The information provided has been prepared as a guide for architects, engineers, plumbing contractors, building officials and municipal authorities concerned with high standards of sanitation and construction.

NOTES

ROCKFORD SEPARATORS

TRENCH DRAINS

GENERAL INFORMATION



Note single-unit construction of drain body. Anchor flange makes unit an integral part of floor. Standard tapped outlet is shown, but a straight spigot or a 90° spigot elbow connection is available.

ADVANTAGES

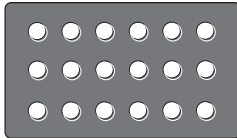
Single-unit construction eliminates three problems usually encountered with frame-type drains that are bolted together: leaks caused by vibration and traffic, possible infiltration of waste water into surrounding areas, and misalignment. In addition, when the anchor flange encircling the body of the drain is embedded in concrete, the unit becomes an integral part of the floor.

Because the bottom of the drain is prepitched, installation costs are substantially reduced. If the area is to be tiled, there are further savings because the straight edges of the Trench Drain eliminate special shaping and cutting of tiles.

CONSTRUCTION

The one-piece body of the heavy-duty **GTD Series** Trench Drain is constructed of all-welded 1/4" heavy-duty steel plate and the medium-duty **RTD Series** Trench Drain is constructed of all-welded 1/8" heavy-duty steel plate for maximum strength and durability. OPEX® acid-resistant coating inside and outside to protect against corrosion. Standard tapped outlet has removable gravel strainer.

Cover grate with circular openings



Nonskid diamond pattern treadplate



COR-TEN® INFORMATION

Cor-Ten® high-strength, low carbon steel with its high strength and outstanding resistance to atmospheric corrosion is available where maintenance cost savings are prime considerations. Even in an unpainted condition, Cor-Ten® has a tightly adherent oxide surface which stops further oxidation. Painted or coated, this characteristic is

further enhanced. The reliability and strength of this material has been proven in many applications, such as railroad cars, bridges and two of the tallest buildings in the world: the John Hancock Building and the Sears Tower in Chicago.

COVER GRATES

The sectional cover grates are built of premium, high-strength, non-breakable steel for long life and high resistance to atmospheric corrosion.

Various types of cover grates are available in addition to the heavy-duty steel grates. Stainless steel is recommended for use in hospitals, laboratories, and similar installations. Nonskid diamond pattern grates are also available. All cover grates can be furnished in vandal- and tamper-proof designs.

Grate openings shall be equal to 2 1/2 times the pipe to which the drain is connected. Example: 6" pipe has an open area = to 28.8 sq. inches — grate must have 72 sq. inches of open area.

Choices of grate openings include 3/8" x 3" slots, 3/8" or larger circular openings, or 1/4" circular openings for safety concerning small-heeled shoes. The standard length of each grate is 2 feet;

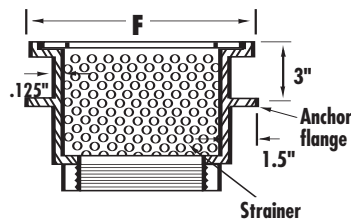
however, if a special size drain is ordered, the length of one cover grate will be adjusted accordingly.

For hospitals, laboratories, and similar jobs, the entire drain can be ordered in stainless steel, or the standard drain can be ordered with stainless steel cover grates.

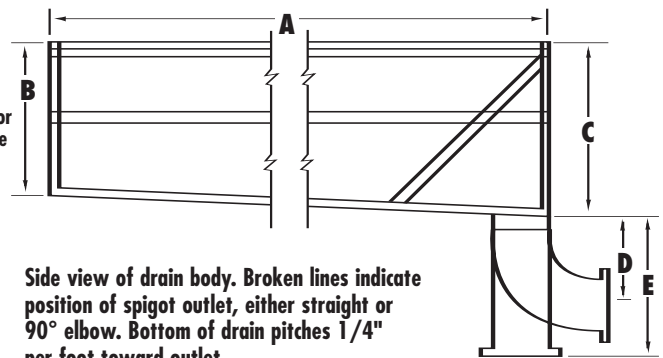
*For interior or exterior
off-the-floor drainage.*

RTD SERIES

MEDIUM-DUTY TRENCH DRAINS



End view of drain body at outlet. Note gravel strainer over outlet opening. Tapped outlet connection illustrated.



Side view of drain body. Broken lines indicate position of spigot outlet, either straight or 90° elbow. Bottom of drain pitches 1/4" per foot toward outlet. One outlet every 12 feet is standard.

Model	Tapped or Spigot Outlet	A	B	C	D	E	F	Length Per Section	Pattern*	Shipping Weight
RTD-10	2", 3", or 4"	Customer Specification	5"	Dimension "B" plus 1/4" per ft. of Dimension "A"	6.5" on 90° elbow spigot	5.5" on short spigot; 11.5" on long spigot	7.75"	2'0"	3/8" x 3" slots, or 3/8" and larger circular openings, or nonskid diamond pattern treadplate	Varies from 25 to 40lb. per ft. depending on length of drain and type of grates
RTD-20	2", 3", or 4"	Customer Specification	5"				12.5"	2'0"		

*Any combination of these patterns may be ordered in a single drain.

IMPORTANT:

Specify type and pattern of cover grates and desired outlet. Also specify number of outlets required.

Specially made.

Contact Engineering.

Job Specification: Drains shall be Rockford Trench Drains, as manufactured by Rockford Sanitary Systems, Inc., Rockford, Illinois, and as noted on plans.

Drain Specifications: Furnish _____ Rockford Model **RTD-** _____ Trench Drains of all-welded 1/8" carbon steel. Body to be of one-piece construction _____' _____" long with _____" (specify 2", 3", or 4" tapped or spigot) outlet connection with loose-set gravel strainer. Easily removable, 2-foot sectional cover grates made of Cor-Ten® steel with 3/8" X 3" slots. Anchor flange. OPEX® Shop Coat coating inside, bituminous coating outside.

Optional Features: Sanitary stainless steel body, stainless steel grates, additional outlets, diamond treadplate, 1/4" or 3/8" circular openings in grate, tamper-proof grates, flashing clamping ring.

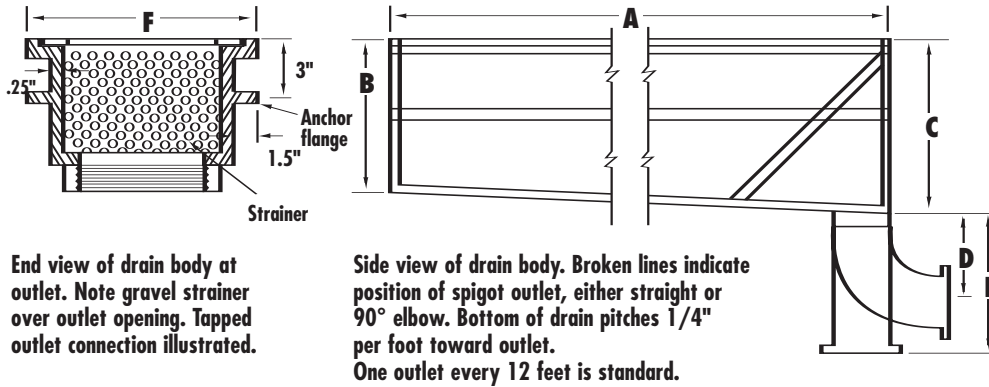
• Specify outlets required, length of run, trench size.

APPLICATIONS

Interior or exterior medium-duty off-the-floor drainage for use in:

- auto service stations
- building entrances
- driveway ramps
- dry cleaning plants
- exhibition halls
- industrial floor drainage
- institutional kitchens
- laboratories
- laundries
- loading docks
- packing houses
- refineries
- other installations requiring perimeter drainage.

GTD SERIES HEAVY-DUTY TRENCH DRAINS



End view of drain body at outlet. Note gravel strainer over outlet opening. Tapped outlet connection illustrated.

Side view of drain body. Broken lines indicate position of spigot outlet, either straight or 90° elbow. Bottom of drain pitches 1/4" per foot toward outlet. One outlet every 12 feet is standard.

Model	Tapped or Spigot Outlet	A	B	C	D	E	F	Length Per Section	Pattern*	Shipping Weight
GTD-10	2", 3", or 4"	Customer Specification	5"	Dimension "B" plus 1/4" per ft. of Dimension "A"	6.5" on 90° elbow spigot	5.5" on short spigot; 11.5" on long spigot	7.75"	2'0"	3/8" x 3" slots, or 3/8" and larger circular openings, or nonskid diamond pattern treadplate	Varies from 25 to 40lb. per ft. depending on length of drain and type of grates
GTD-20	2", 3", or 4"	Customer Specification	5"				12.5"	2'0"		

Job Specification: Drains shall be Rockford Trench Drains, as manufactured by Rockford Sanitary Systems, Inc., Rockford, Illinois, and as noted on plans.

Drain Specifications: Furnish _____ Rockford Model **GTD-**_____ Trench Drains of all-welded 1/4" high-strength, Cor-Ten® steel. Body to be of one-piece construction _____' _____" long with _____" (specify 2", 3", or 4" tapped or spigot) outlet connection with loose-set gravel strainer. Easily removable, 2-foot sectional cover grates made of Cor-Ten® steel with 3/8" X 3" slots. Anchor flange. OPEX® Shop Coat coating inside, bituminous coating outside.

Optional Features: Sanitary stainless steel body, stainless steel grates, additional outlets, diamond treadplate, 1/4" or 3/8" circular openings in grate, tamper-proof grates, flashing clamping ring.

• Specify outlets required, length of run, trench size.

APPLICATIONS

Interior or exterior heavy-duty off-the-floor drainage for use in:

- aircraft hangars
- auto and truck garages
- auto service stations
- building entrances
- driveway ramps
- dry cleaning plants
- exhibition halls
- industrial floor drainage
- institutional kitchens
- laboratories
- laundries
- loading docks
- packing houses
- refineries
- other installations requiring perimeter drainage.

*Any combination of these patterns may be ordered in a single drain.

IMPORTANT:

Specify type and pattern of cover grates and desired outlet. Also specify number of outlets required.

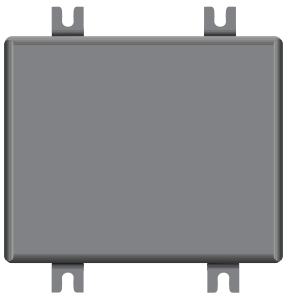
Specially made.

Contact Engineering.

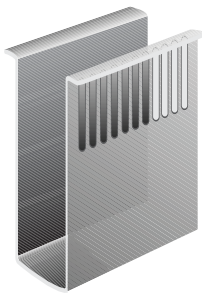
NOTES

ROCKFORD SEPARATORS *REPLACEMENT PARTS*

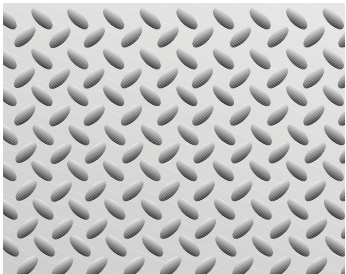
**Cover
(Standard)**



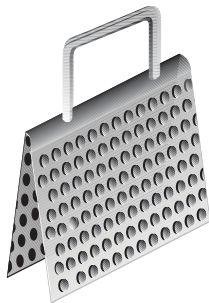
**Separator
Screen
(U-shaped)**



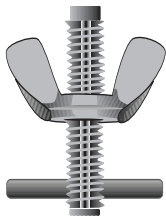
**Cover
(Flush-with-floor)
Recessed lift
handles available**



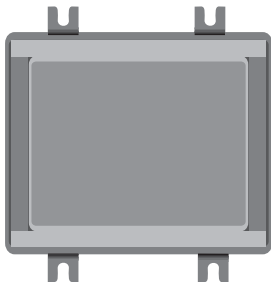
**Filter Screen
(V-shaped)**



**Bolt Assembly
(Standard)**



Gasket



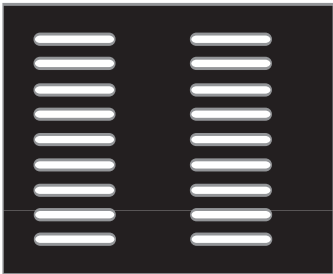
**Stainless Steel
Flat Head Bolt
(Flush-with-floor)**



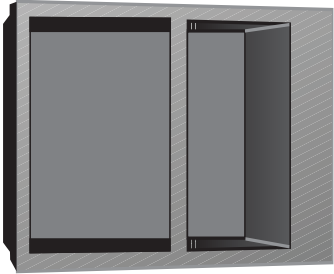
Replacement parts are available for all models of Rockford Separators. When ordering, please give the model number on the name plate on the cover of the standard separator or the underside of the cover of the flush-with-floor unit. Replacement parts are essential to maximum operating efficiency.

REPLACEMENT PARTS (SD, RSD SERIES)

Inlet Grate



**Sediment
and
Mud Pan**



ROCKFORD SEPARATORS

MISCELLANEOUS REPLACEMENT PARTS ORDER FORM

- ☐ _____ 2" Spigot Adapters
- ☐ _____ 3" Spigot Adapters
- ☐ _____ 4" Spigot Adapters
- ☐ _____ 1-1/2" Steel Plugs
- ☐ _____ 2" Steel Plugs
- ☐ _____ 3" Steel Plugs
- ☐ _____ 4" Steel Plugs
- ☐ _____ 2" Hub Adapters
- ☐ _____ 3" Hub Adapters
- ☐ _____ 4" Hub Adapters
- ☐ _____ 1-1/2" Galvanized Close Nipples
- ☐ _____ 2" Galvanized Close Nipples
- ☐ _____ 3" Galvanized Close Nipples
- ☐ _____ 4" Galvanized Close Nipples
- ☐ _____ 1/2" x 3/4" Gasket
- ☐ _____ 3/8" x 1-1/4" Gasket
- ☐ _____ Act Level Switch
- ☐ _____ Act Leak Switch
- ☐ _____ Act Single Control Box
- ☐ _____ Act Double Control Box
- ☐ _____ T Bolt Assembly
- ☐ _____ 3/8-16 x 1/4" Flathead Screw
- ☐ _____ 3/8-16 x 1" Flathead Screw
- ☐ _____ 1-1/2" EL Cast Iron
- ☐ _____ 2" EL Cast Iron
- ☐ _____ 3" EL Cast Iron
- ☐ _____ 4" EL Cast Iron
- ☐ _____ 2" TEE Lo Cast Iron
- ☐ _____ 3" TEE Lo Cast Iron
- ☐ _____ 1-1/2" TY Cast Iron
- ☐ _____ 2" TY Cast Iron
- ☐ _____ 3" TY Cast Iron
- ☐ _____ 4" TY Cast Iron
- ☐ _____ 1-1/2" EL PVC
- ☐ _____ 2" EL PVC
- ☐ _____ 3" EL PVC
- ☐ _____ 4" EL PVC
- ☐ _____ 2" ST TEE PVC
- ☐ _____ 3" ST TEE PVC
- ☐ _____ 1-1/2" TY PVC
- ☐ _____ 2" TY PVC
- ☐ _____ 3" TY PVC
- ☐ _____ 4" TY PVC
- ☐ _____ Solids Strainer Basket
- ☐ _____ Grease Collection Container (1 gallon or 2 gallon)
- ☐ _____ 3/4" Draw-off Valve
- ☐ _____ 2" Heating Element
- ☐ _____ Thermocouple
- ☐ _____ Hinged Cover Assembly
- ☐ _____ Gasket Material
- ☐ _____ 1/4" Pan Head Screws

ROCKFORD SEPARATORS

COMPARISON CHARTS

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ROCKFORD SEPARATORS

COMPARISON OF STANDARD ON-THE-FLOOR INSTALLATIONS

*For these models, use
Rockford Separator **G** Series
with draw-off valve.

• **RP** Series PDI Listed
Grease Interceptors to retain
free-floating grease

• **G/GF** Series
Grease Separators to retain
grease-laden solids and
free-floating grease

COMPARISON OF LOW-INLET SEPARATORS FOR ON-THE-FLOOR INSTALLATION

COMPARISON OF LOW-INLET SEPARATORS FOR FLUSH-WITH-FLOOR INSTALLATION

ROCKFORD	JOSAM	WADE	ZURN	SMITH	MIFAB
RP-4 G-710	60101A	5104	Z-1170-100	8004	MI-G-0
RP-7 G-1012	60002A 60102A 60102-50A*	5107	Z-1170-200 Z-1173-200*	8007 8007-GT*	MI-G-1 MI-G-SD-1*
RP-10 G-1412	60003A 60103A 60103-50A*	5110 5110JCX*	Z-1170-300 Z-1173-300*	8010 8010-GT*	MI-G-2 MI-G-SD-2*
RP-15 G-1815	60004A 60104A 60104-50A*	5115 5115JCX*	Z-1170-400 Z-1173-400*	8015 8015-GT*	MI-G-3 MI-G-SD-3*
RP-20 G-1820	60005A 60105A 60105-50A*	5120 5120JCX*	Z-1170-500 Z-1173-500*	8020 8020-GT*	MI-G-4 MI-G-SD-4*
RP-25 G-2420	60006A 60106A 60106-50A*	5125 5125JCX*	Z-1170-600 Z-1173-600*	8025 8025-GT*	MI-G-5 MI-G-SD-5*
RP-35 G-2635	60007A 60107A 60107-50A*	5135 5135JCX*	Z-1170-700 Z-1173-700*	8035 8035-GT*	MI-G-6 MI-G-SD-6*
G-2824					
RP-50 G-3050	60008A 60108A 60108-50A*	5150 5150JCX*	Z-1170-800 Z-1173-800*	8050 8050-GT*	MI-G-7 MI-G-SD-7*
G-3224					
G-3475	60009A 60109-50A* 60211		Z-1173-900*	8075-GT*	MI-G-SD-8* XL-MI-G-0
G-3628	60212		Z-1172-1000		XL-MI-G-1

ROCKFORD	JOSAM	WADE	ZURN	SMITH	MIFAB
G-23-10		5115LR			
G-25-10 RP-20-10	60115A 60115-50A	5120LR 5120LR,JCX	Z-1171-500	8120 8120-GT 8120-GTX	MI-G-L-20
G-30-10					
G-36-10 RP-35-10	60017A 60117A	5135LR 5135LR,JCX	Z-1171-700	8135 8135-GT 8135-GTX	MI-G-L-35
G-45-10					
G-50-10 RP-50-10		5150LR 5150LR,JCX	Z-1171-800	8150 8150-GT 8150-GTX	MI-G-L-50

ROCKFORD	JOSAM	WADE	ZURN	SMITH	MIFAB
GF-23-10					
GF-25-10 RP-20-10	60115A 60115-50A	5120LR	Z-1171-500	8120 8120-GT 8120-GTX	MI-G-L-20
GF-30-10					
GF-36-10 RP-35-10	60017A 60117A	5135LR	Z-1171-700	8135 8135-GT 8135-GTX	MI-G-L-35
GF-45-10					
GF-50-10 RP-50-10		5150LR	Z-1171-800	8150 8150-GT 8150-GTX	MI-G-L-50

ROCKFORD SEPARATORS

COMPARISON OF
FLUSH-WITH-FLOOR
INSTALLATIONS

*3" minimum extension is required on Rockford Separators with an anchor flange.

ROCKFORD	JOSAM	WADE	ZURN	SMITH	MIFAB
RP-4		5104	Z-1170-100	8004 8304	MI-G-0
RP-7	60032A 60042A	5107	Z-1170-200	8007 8007-GTX 8307 8307-GT	MI-G-1
RP-10 GF-1412	60033A 60043A	5110	Z-1170-300	8010 8010-GTX 8310 8310-GT	MI-G-2
RP-15 GF-1815	60034A 60044A	5115	Z-1170-400	8015 8015-GTX 8315 8315-GT	MI-G-3
RP-20 GF-1820	60035A 60045A	5120	Z-1170-500	8020 8020-GTX 8320 8320-GT	MI-G-4
RP-25 GF-2420	60036A 60046A	5125	Z-1170-600	8025 8025-GTX 8325 8325-GT	MI-G-5
RP-35 GF-2635*	60037A 60047A	5135	Z-1170-700	8035 8035-GT 8035-GTX 8335 8335-GT	MI-G-6
GF-2824*					
RP-50 GF-3050*	60038A 60048A	5150 5200-50	Z-1170-800 Z-1172-800	8050 8050-GT 8050-GTX 8350 8350-GT	MI-G-7
GF-3224*					
GF-3475*	60039A 60049A	5200-75	Z-1172-900 Z-1173-900	8075-GT 8075-GTX 8375-GT 8450 8450-E	XL-MI-G-0
GF-3628*		5200-100	Z-1172-1000	8460 8460-E	XL-MI-G-1

ROCKFORD†	JOSAM	WADE	ZURN†	SMITH	MIFAB+
RP-4-E	60131A 60141A		Z-1170-100E	8304	MI-G-0-C
RP-7-E	60132A 60132-50A 60142A 60142-50A		Z-1170-200E	8307 8307-GT	MI-G-1-C
RP-10-E GFE-1412	60123A 60133A 60133-50A 60143A 60143-50A		Z-1170-300E	8310 8310-GT	MI-G-2-C
RP-15-E GFE-1815	60124A 60134A 60134-50A 60144A 60144-50A		Z-1170-400E	8315 8315-GT	MI-G-3-C
RP-20-E GFE-1820	60125A 60135A 60135-50A 60145A 60145-50A	5120MTO	Z-1170-500E	8320 8320-GT	MI-G-4-C
RP-25-E GFE-2420*	60126A 60136A 60136-50A 60146A 60146-50A	5125MTO	Z-1170-600E	8325 8325-GT	MI-G-5-C
RP-35-E GFE-2635*	60127A 60137A 60137-50A 60147A 60147-50A	5135MTO	Z-1170-700E	8335 8335-GT	MI-G-6-C
GFE-2824*					
RP-50-E GFE-3050*	60128A 60138A 60138-50A 60148A 60148-50A	5150MTO	Z-1170-800E	8350 8350-GT	MI-G-7-C
GFE-3224*					
GFE-3475*	60139-50A 60149-50A			8375-GT	
GFE-3628*					

COMPARISON OF
FLUSH-WITH-FLOOR
INSTALLATIONS

WITH INTEGRAL EXTENSION

*3" minimum extension is required on Rockford Separators with an anchor flange.

†Suffix E designates extension.

+Suffix C designates extension.

ROCKFORD SEPARATORS

COMPARISON OF SPECIAL FILTER SEPARATORS (HAIR, LINT, PLASTER, ETC.)

*Use Rockford Separator
with sediment bucket.

ROCKFORD	JOSAM	WADE	ZURN	SMITH	MIFAB
	61001 1/4 61007 1/2 61011 1/4 61011 1/2	5730	Z-1175 Z-1176	8730 8750 8760	MI-Solid-M
G-1012-FM	61021 1/2 61022 61031 1/2 61032	5740	Z-1180 Z-1184	8710 8714*	
G-1412-FM	61042			8715	
	61070 61080			8790 8795	
G-1815-FM					
G-1820-FM					

COMPARISON OF INDUSTRIAL AND COMMERCIAL SEPARATORS WITH INTEGRAL EXTENSION

ROCKFORD	JOSAM	WADE	ZURN	SMITH	MIFAB
GIS-30		5200-50			
GIS-40	60201 60211	5200-75	Z-1172-900	8450 8450-E	XL-MI-G-0
GIS-50	60202 60212	5200-100	Z-1172-1000	8460 8460-E	XL-MI-G-1
			Z-1172-1100		XL-MI-G-2
GIS-60	60203 60213	5200-150	Z-1172-1200	8465 8465-E	XL-MI-G-3
GIS-70	60204 60214	5200-200	Z-1172-1300	8470 8470-E	XL-MI-G-4
GIS-80	60205 60215	5200-250	Z-1172-1400	8475 8475-E	XL-MI-G-5
		5200-300	Z-1172-1500		XL-MI-G-6
GIS-90	60206 60216	5200-350	Z-1172-1600	8480 8480-E	XL-MI-G-7
GIS-96		5200-400	Z-1172-1700		XL-MI-G-8
			Z-1172-1800		
GIS-100	60207 60217	5200-500	Z-1172-1900	8490 8490-E	XL-MI-G-9
					XL-MI-G-10
GIS-200		5200-750			XL-MI-G-11

ROCKFORD SEPARATORS

COMPARISON OF
OIL SEPARATORS

Extensions are available
on all Rockford Oil Separators.

ROCKFORD	JOSAM	WADE	ZURN	SMITH	MIFAB
OS-5610	60503A 60523A		Z-1186-300	8510	MI-O-A
OS-5615	60504A 60524A		Z-1186-400	8515	MI-O-B
OS-5620	60505A 60525A		Z-1186-500	8520	MI-O-C
OS-5624	60506A 60526A	5400-25	Z-1186-600	8525	MI-O-1
OS-5628	60507A 60527A	5400-35	Z-1186-700	8535	MI-O-2
OS-5630	60508A 60528A	5400-50	Z-1186-800	8550	MI-O-3
OS-5636	60601 60611	5400-75	Z-1188-75	8560	MI-O-4
OS-5642	60602 60612	5400-100	Z-1188-100	8565	MI-O-5
			Z-1188-125		MI-O-6
OS-5644	60603 60613	5400-150	Z-1188-150	8570	MI-O-7
OS-5648	60604 60614	5400-200	Z-1188-200	8575	MI-O-8
OS-5652	60605 60615	5400-250	Z-1188-250	8580	MI-O-9
OS-5654		5400-300	Z-1188-300		MI-O-10
OS-5658	60606 60616	5400-350	Z-1188-350	8585	MI-O-11
OS-5662		5400-400	Z-1188-400		MI-O-12
OS-5664		5400-450	Z-1188-450		MI-O-13
OS-5670	60607 60617	5400-500	Z-1188-500	8590	MI-O-14

ROCKFORD	JOSAM	WADE	ZURN	SMITH	MIFAB
OST-5610-5			Z-1186-300-83	8599-10-50	MI-O-HU-A
OST-5615-10			Z-1186-400-83	8599-15-50	MI-O-HU-B
OST-5620-10			Z-1186-500-83	8599-20-50	MI-O-HU-C
OST-5624-50		5500-25	Z-1186-600-83	8599-25-100	MI-O-HU-1
OST-5628-50		5500-35	Z-1186-700-83	8599-35-100	MI-O-HU-2
OST-5630-100		5500-50	Z-1186-800-83	8599-50-100	MI-O-HU-3
OST-5636-100		5500-75	Z-1188-75-83	8599-75-100	MI-O-HU-4
OST-5642-200		5500-100	Z-1188-100-83	8599-100-250	MI-O-HU-5
			Z-1188-125-83		MI-O-HU-6
OST-5644-200		5500-150	Z-1188-150-83	8599-150-250	MI-O-HU-7
OST-5648-300		5500-200	Z-1188-200-83	8599-200-250	MI-O-HU-8
OST-5652-300		5500-250	Z-1188-250-83	8599-250-500	MI-O-HU-9
OST-5654-500		5500-300	Z-1188-300-83	8599-300-500	MI-O-HU-10
OST-5658-500		5500-350	Z-1188-350-83	8599-350-500	MI-O-HU-11
OST-5662-500		5500-400	Z-1188-400-83	8599-400-500	MI-O-HU-12
OST-5664-500		5500-450	Z-1188-450-83	8599-450-500	MI-O-HU-13
OST-5670-500		5500-500	Z-1188-500-83	8599-500-750	MI-O-HU-14

COMPARISON OF
OIL SEPARATORS
WITH INTEGRAL STORAGE

Extensions are available
on all Rockford Oil Separators.
Larger units are also available.

NOTES

