INSTALLATION GUIDE

Model #GB1 20/25 GPM Grease Interceptor
For Indoor Use

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Installation Instructions

Installation instructions and additional components are located inside the interceptor. Read all instructions prior to installation. This interceptor is intended to be installed by a licensed plumber in conformance with all local codes.

High Temperature Kitchen Water

If water is entering the interceptor at excessive temperature (over 140°F), a drain water tempering valve (DTV) must be installed. Most state and local plumbing codes prohibit water above 140°F being discharged into the sanitary sewer. Water above 140°F will weaken or deform PVC Schedule 40 pipe, poly drainage fixtures like interceptors and erode the coating of cast iron (leading to eventual failure). Failure to follow this guidance voids your warranty.

When Installing Interceptor Inside

If your dishwashing sink(s) discharges into a floor drain/sink (drain), you must regulate the flow into the drain to avoid an overflow of water onto the kitchen floor. This can be done by installing a valve or flow restriction cap on the sink piping that discharges into the drain. See drawing below for guidance. For detailed guidance on indirect connections, go to: http://webtools.schierproducts.com/Technical_Data/Indirect_Connections.pdf

Hydrostatic Slabs (or Pressure Slabs)

When installed under a hydrostatic slab (slab designed to withstand upward lift, usually caused by hydrostatic pressure) interceptor must be enclosed in a watertight concrete vault. Failure to follow this guidance voids your warranty.
1. Cover
2. Air Relief/Visual Access
3. Inlet Diffuser (Top)
4. 4" x 3" FPT Fitting
5. Optional Side Outlet 4" FPT
6. Connection Fitting Gasket
7. Bulkhead Retaining Nut
8. Test Cap / Sealing Cap
9. Standard Installation Flow Control Plate (Red)
10. 3" x 2" FPT Fitting
11. Inlet 4" FPT Connection
12. Flow Control Plate (>5' below kitchen only)
13. Saddle Adapter Retaining Nut
14. Saddle Adapter
15. Inlet Diffuser (Foot)
16. Cover Bolts (x4)
17. Cover Gasket
18. Outlet 4" FPT Connection
19. Outlet Diffuser (Top)
20. Outlet Diffuser (Foot)
**ON THE FLOOR INSTALLATION**

### Special Precautions

**1. Test tank for water tightness**

1a. Cap the inlet and outlet connection points with test plugs
1b. Remove cover and fill unit completely with water. Inspect for leaks.

**Leak?** Call customer care at 913-951-3300
8a – 5p M – F CST

**2. (if using a side outlet) Configure outlet diffuser**

2a. Remove diffuser from saddle.
2b. Remove saddle adapter.
2c. Remove set screws and remove diffuser foot.
2d. Remove pre-installed test cap from desired outlet and install on straight-through outlet.
2e. Install saddle adapter on desired outlet.
2f. Rotate diffuser top toward desired outlet, while ensuring foot is pointed toward the back wall of the unit. Reattach to foot using set screws.
2g. Seat diffuser firmly into saddle.

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**WARNING!**

**DO NOT AIR TEST UNIT OR RISER SYSTEM!**
Doing so may result in property damage, personal injury or death.

**ODOR ALERT!**

Do not install air gap on outlet side of interceptor.

**INTERCEPTOR IS NOT A SEWER GAS TRAP.**
All upstream fixtures must be trapped.

**Install interceptor as close as possible to fixtures being served.**

**Provide at least 5-1/2” clearance above unit for routine maintenance.**

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**Note:**

- Cap the inlet and outlet connection points with test plugs.
- Remove cover and fill unit completely with water. Inspect for leaks.
- Install saddle adapter on desired outlet.
- Rotate diffuser top toward desired outlet, while ensuring foot is pointed toward the back wall of the unit. Reattach to foot using set screws.
- Seat diffuser firmly into saddle.

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**GB1 Installation Guide**
ON THE FLOOR INSTALLATION

3 Calibrate Flow Control

• If dimension "A" above is 5 feet or less go to Step 4, Connect Piping.
• If dimension "A" above is greater than 5 feet follow Steps below.

Figure 1

Note to Plumbing Inspector
This interceptor includes certified internal flow control and does not require a dedicated "Flow Control Vent" (air intake).

3a
Remove inlet diffuser.

3b
Remove red flow control plate from inlet diffuser and discard.

3c
Remove inlet saddle adapter.

3d
Depending on which flow rate is desired, snap-in the "20 GPM" or "25 GPM" white flow control plate as shown on inlet saddle adapter.

3e
Re-install saddle adapter, ensure flow control plate opening is down as shown.

3f
Seat inlet diffuser firmly into saddle adapter.
Connect piping using thread sealant or tape that is compatible with plastic fittings. Ensure all upstream fixtures are trapped. Vent per local code.

**4b1 Next to Sink**

**4b2 Under Sink**

**4b3 Floor Below**

Choose inlet and outlet fittings (included) based on pipe size.

**5 Proceed to “Pipe Test Procedure” Page**
BURIED INSTALLATION

Special Precautions

**WARNING!**
DO NOT AIR TEST UNIT OR RISER SYSTEM!
Doing so may result in property damage, personal injury or death.

1 Test tank for water tightness

1a Cap the inlet and outlet connection points with test plugs

1b Remove cover and fill unit completely with water. Inspect for leaks.

Leak? Call customer care at 913-951-3300
8a – 5p M – F CST

2 (if using a side outlet) Configure outlet diffuser

2a Remove diffuser from saddle.

2b Remove saddle adapter.

2c Remove set screws and remove diffuser foot.

2d Remove pre-installed test cap from desired outlet and install on straight-through outlet.

2e Install saddle adapter on desired outlet.

2f Rotate diffuser top toward desired outlet, while ensuring foot is pointed toward the back wall of the unit. Reattach to foot using set screws.

2g Seat diffuser firmly into saddle.
3 Calibrate Flow Control

- If dimension "A" above is 5 feet or less go to Step 4, Connect Piping.
- If dimension "A" above is greater than 5 feet follow Steps below.

• Remove inlet diffuser. Remove red flow control plate from inlet diffuser and discard.
• Re-install saddle adapter, ensure flow control plate opening is down as shown.

Note to Plumbing Inspector
This interceptor includes certified internal flow control and does not require a dedicated “Flow Control Vent” (air intake).
4 Connect Piping

**Floor Sink Installation**
If your dishwashing sink(s) discharges into a floor drain/sink (drain), you must regulate the flow into the drain to avoid an overflow of water onto the kitchen floor. This can be done by installing a valve or flow restriction cap on the sink piping that discharges into the drain.

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4a

Excavate hole 6” larger than interceptor on all sides.

4b

Add crushed aggregate (approximately 3/4” size rock or sand, with no fines) to base of hole.

4c

Set interceptor and connect piping using thread sealant or tape that is compatible with plastic fittings, fill tank with water so that it remains in place during backfill.

4c1

Choose inlet and outlet fittings (included) based on pipe size.

4d

Proceed to “Pipe Test Procedure” Page

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5 Backfill and Finished Grade

5a1

Backfill evenly around tank using crushed aggregate (approximately 3/4” size rock or sand, with no fines), finish with a minimum 4” thick concrete pad. Vent per local code.

5a2

See instructions included with FCR1 riser.

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GB1 Installation Guide
1 Reposition Test Caps

1a. Remove included test caps from unused outlets.
1b. Remove the inlet and outlet diffusers.
1c. Remove the saddle adapters.
1d. Firmly hand thread test caps onto inlet and outlet diffusers as shown.

2 Wet or Air Test Piping Per Local Code

**WARNING!**
DO NOT AIR TEST UNIT OR RISER SYSTEM!
Doing so may result in property damage, personal injury or death.

Leak? Call customer care at 913-951-3300
8a – 5p M – F CST

3 Replace Internal Components to Original Positions

3a. Remove test caps from the used outlets.
3b. Replace the saddle adapters.
3c. Replace the inlet and outlet diffusers.
3d. Firmly hand thread test caps onto the unused side outlets.
3e. Replace cover and fasten with bolts provided.

If performing a buried installation, go to:
Buried Installation - Step 5 - Backfill and Finished Grade