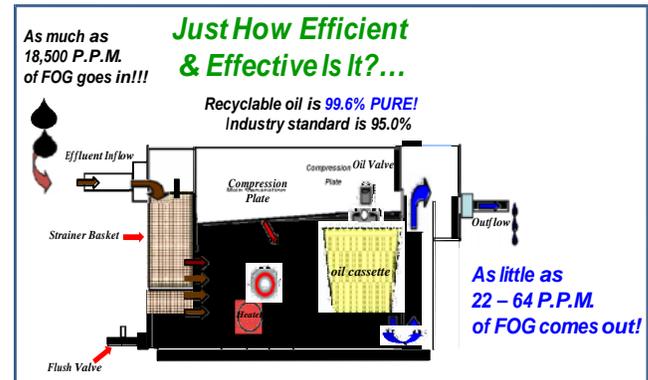


Goslyn™ SIZING INFORMATION FOR KITCHEN DESIGNERS AND PLUMBERS



- Goslyn™ is NOT a grease trap.
- Goslyn™ is an Automatic Grease Recovery Device, it does not hold grease within its separation tank and cannot be surcharged by simultaneous discharge of multiple sinks.
- Goslyn™ has no moving parts, timers or scrapers to go wrong or clog up.
- Goslyn™ accepts very hot effluents and has a thermostatically controlled tank heater to ensure animal fats remain fluid.
- Goslyn™ is actuated by the pressure exerted by incoming effluent which serves to eject the fats, oil and grease from the separation tank.



The Goslyn™ Grease Recovery Technology constantly and automatically removes Fats Oil and Grease (FOG) from the separation tank so there is no build up of retained FOG as is the case for traditional traps. Because of this Goslyn™ Grease Recovery Devices are able to maintain their high rate of efficiency indefinitely.

The inclusion of a flow control device in the inlet connection of the Goslyn™ ensures the designed maximum flow rate cannot be exceeded and the Goslyn™ will not be overwhelmed by effluent surges. In practice the cumulative surge event is very uncommon and merely results in a slower drain down time.

Goslyn™ devices are designed for above ground installation in plain view within the kitchen so staff are aware when the FOG cassette requires changing or the solids basket needs emptying into the trash.

For sizing specification therefore the cumulative total volumes of the sinks and equipment draining into a Goslyn™ is not critical in the determination of its required flow capacity. The desired time taken to empty the sinks etc becomes the determining factor together with the layout of the kitchen such as where the lines of above floor drainage are interrupted by circulation routes or the invert of the drain line becomes too low to enter the Goslyn™.

A further consideration is the desirability to reduce the length of the “at risk” drain lines, ie. to site the Goslyn™ as close to the sinks etc as practical and so minimize the risk of animal fats setting out in the drain line. All the pipe work upstream of the Goslyn™ may be considered as part of the “device collection system” rather than part of the “drainage system” It is not necessary to place any water traps upstream of the Goslyn™ as these lines will drain dry after each appliance is emptied out and no organics will be left to decay. However the outflow from the Goslyn™ must meet all plumbing codes as to stack and venting configuration etc. It is important that the outflow from any Goslyn™ device has a pipe diameter equal to or greater than the goslyn’s outlet and no restrictions.

Extensive field testing in restaurant kitchen environments has shown that a Gos 40 (10gpm) will suffice to serve either, a rinse sink and dishwasher, or up to a three pot sink (3 compartment sink) without the drain down time becoming problematic for the kitchen staff. Similarly a Gos 80 (25gpm) will suffice for up to and including a rinse sink and dishwasher plus a three compartment sink. Any extra effluent loads resulting from a Combi oven or rotisserie may be routed through either Goslyn™ without affecting performance.

We recommend routing the sanitizing compartment (no FOG present) of a 3 comp sink to bypass the Goslyn™ to further reduce the drain down time if all three compartments are drained at once.



Underwriters Laboratories



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Continued over



Commercial dishwashers have a timed wash cycle which includes a set time period to evacuate by gravity the wash cycle water (around 0.75 gallon in 10 seconds total event each wash cycle, the rinse water being retained for the next wash cycle) Because of this it is desirable to place the flow control valve upstream of the incoming dishwasher drain line. It is good practice to use a low foaming type detergent which quickly gives up its emulsifying properties (check with your supplier)

In certain retrofit situations where the kitchen is on a second floor (or higher) it may be expedient to site the **Goslyn™** on the floor below. In this case please contact our technical department for advice on flow control.

Independent studies have shown that 90% of the FOG load generated by a commercial kitchen is through the pot sinks, rinse sink and dishwasher and that the floor drain does not need to be intercepted. Any oil spills which may occur from time to time are better soaked up using an absorbent such as cat litter which can then be swept up and placed in the trash. If it is required to intercept the slop sink this may be raised up to a better ergonomic height and the mop bucket rim altered to give easy tipping without the user having to bend down. The slop sink drain may then be routed to the **Goslyn™** so any FOG in the floor wash water may be removed.

Where the drain line of a cooking appliance is routed to the **Goslyn™** and is shared with wash sinks etc the cooker drain line is to enter shared line after the flow control device and via an air gap to prevent cross contamination.

We recommend dishwasher connections to enter drain line down stream of the flow control valve in order that the timed outflow from the wash cycle is not impeded.

The guide below lists the **Goslyn™** models most likely to be used in a commercial kitchen. Larger sized **Goslyns™** (50, 75, 100, 200 GPM and higher) are available for food processing facilities and industrial scale operations. Contact our design team with your situation and we will provide the optimum solution.

APPLICATIONS & SIZING GUIDE

Gos 40 and
Gos 40 LP
10 gpm
Rinse sink + Dishwasher + slop sink or
Single double or three compartment sink + slop sink
Either of the above + Combi oven + Wok + Rotisserie
Low profile unit for under sinks and where drain lines are low.

Gos 60 LP
15gpm
Rinse sink + Dishwasher + slop sink or
Single double or three compartment sink + slop sink
Either of the above + Combi oven + Wok + Rotisserie
Low profile unit where Gos 40 inlet invert is too high to access

Gos 80
25 gpm
Rinse sink + dishwasher + single, double or three compartment sink
+ Combi oven + Wok + Rotisserie + slop sink

Gos 80 LP
25gpm
Rinse sink + dishwasher + single, double or three compartment sink
+ Combi oven + Wok + Rotisserie + slop sink
Low profile unit where Gos 80 inlet invert is too high
Special use is the Powersoak Sink™



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