

Grease Removal Devices

Grease removal devices (GRD) are HGIs which automatically remove the floating FOG contents of the device. GRDs are typically installed indoors and connect to one to four sinks in the kitchen. Floating FOG is separated from the water within the GRD and is discharged into a relatively small tank connected to the side of the GRD. The containers are then emptied into a designated container. If space is available, a 55 gallon drum can replace the small tank in order to eliminate the need to empty the container on a daily basis. A typical conceptual GRD design is illustrated below in Figure 1-3, *Typical Conceptual Grease Removal Device Design*.

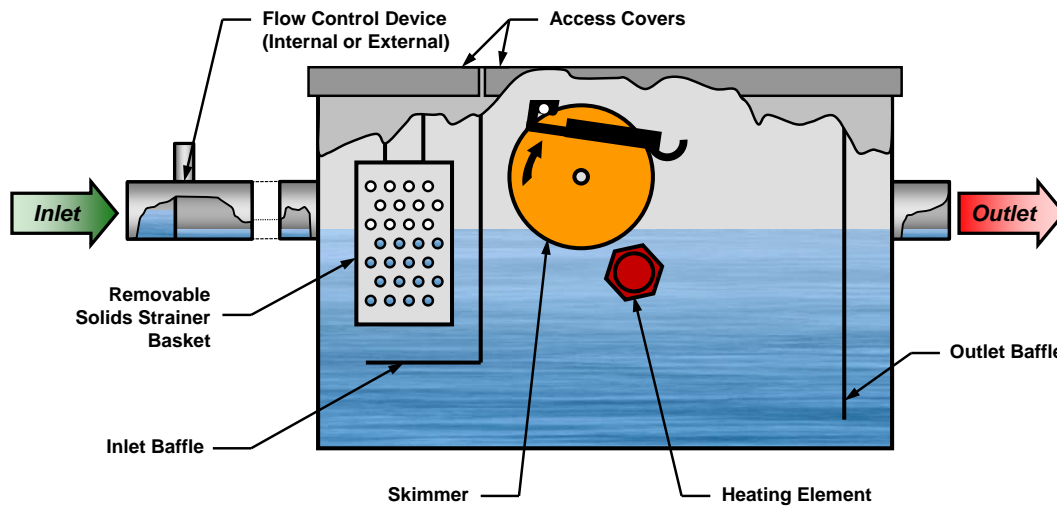


Figure 1-3 - Typical Conceptual Grease Removal Device Design

The GRD shown in Figure 1-3 has a skimmer wheel which skims the floating FOG into the small container. Other styles of GRDs are available without the skimmer wheel and use hydrostatic pressure or pumps to remove the floating FOG from the device. Some FSEs prefer GRDs without the skimmer wheel because there are fewer moving parts requiring maintenance. It is important that the FSEs understand how their GRD works and what maintenance is required for their device.

Sizing Reviewed and Approved by City's Building Division

They are sized according to the established sizing criteria in Chapter 10 Section 1014.2 of the California Plumbing Code. Flow control devices must be installed inside and outside the GRDs to control the wastewater flow in order to match the certified flow rate of the GRD.