

Grease Trap in a Kitchen

3 Months Test

To alleviate the overflow of drainage out of the basket due to oil balls in the grease trap under the sink of the counter in the cookery on the fifth floor of the building. Also, to save the administrative and maintenance expenses by reducing the periodical cleanings used to be conducted several times a year.

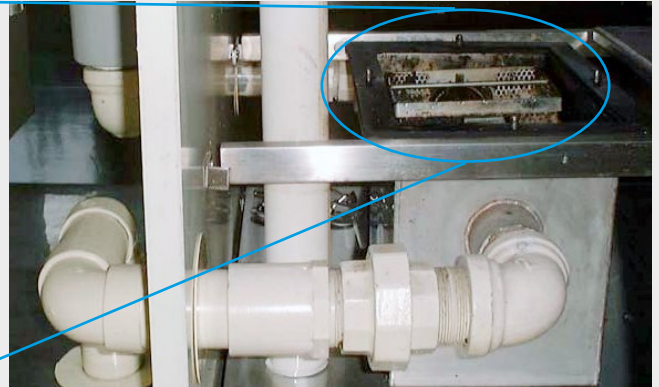
Pipe Size: 50 mm | Vulcan Model: Vulcan 5000



June 13th | Before Vulcan installation



Usual level of standing water.



Grease trap under the countertop

June 17th | Installation of Vulcan

For treating water in the cookery on the fifth floor, Vulcan is installed on the vertical piping in the warehouse where the nearest main water pipe is exposed. The effectiveness of the Vulcan appears in all the service water on the fifth floor that is supplied through this piping.

Verification of the effectiveness

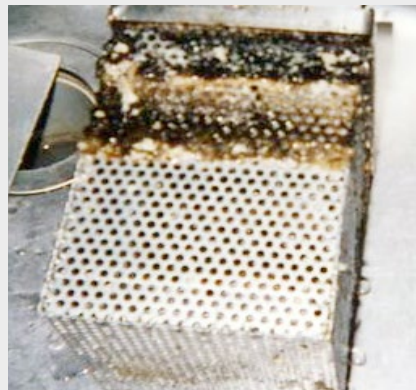
The status of the grease trap upon installation of the Vulcan was confirmed, and the changes of the statuses were observed for approximately five months from the start of the operation. In almost all cases, the effectiveness can be confirmed through the observation for about 3 months.

September 12th



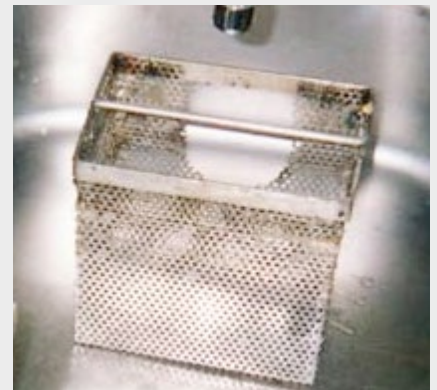
The basket after being washed by hosing. The portions usually being contacted with the treated water are cleaned easily with a water flow from the tap.

Sept. 20th - Before cleaning



The status after being used without cleaning since the installation in June (no adhered materials are seen on the portions usually contacting with water).

Sept. 20th - After cleaning



Grease trap was cleaned with water flow under the sink.

Similar effects have been reported at drainages in food factories, restaurants and kitchens. Many Vulcan installations showed that the treated water had substantial cleaning effect even with extremely reduction of conventionally used detergents. There were even some cases where the use of detergent (such as cationic detergent) causes a buildup of a thin film of dirt. Cationic detergents should not be used. With the portions that do not contact with the treatment water, this effect cannot be expected. Vulcan has no effect of breaking or resolving solids in drainage. Although the Vulcan has no disinfection effect, its prevention of dirt from adhering to the basket and the net contributes to the reduction of mold's food source.