GREASE TRAP

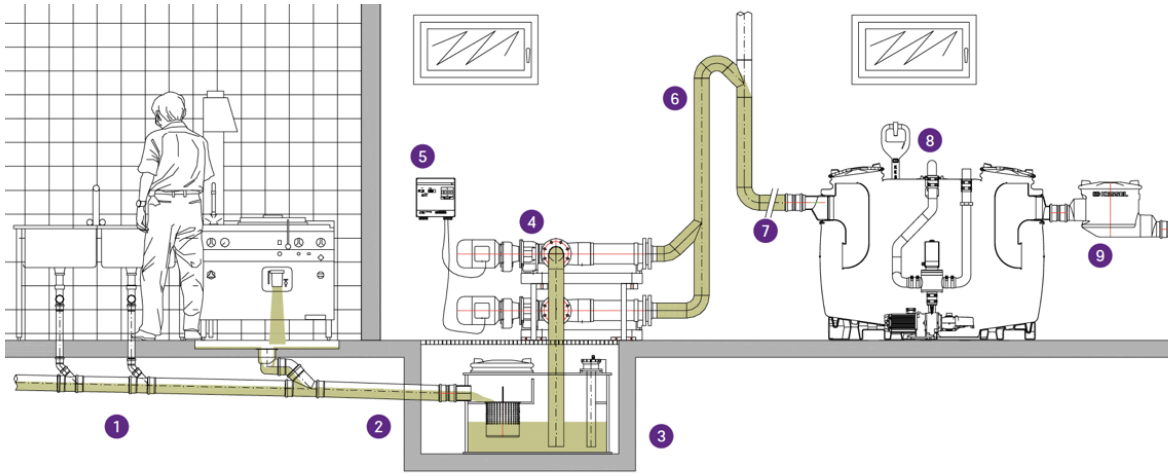
MACTRAP

MACTRAP GREASY WATER LIFT PUMP

POSITIVE DISPLACEMENT LIFT PUMP FOR GREASY WATER

Standard lifting stations with vortex or macerating pumps “mix” the wastewater as it is pumped. This causes the food waste and grease from the kitchen to emulsify and fully mix with the wastewater which negatively affects the efficiency of a grease separator.

For this reason, positive displacement pumps (also known as screw pumps) are required for use in these cases. Mactrap provides special lifting stations from Kessel for use where the grease separator is located higher than the collected wastewater from the kitchen. A screw pump pushes the wastewater into the grease separator, without any mixing taking place.



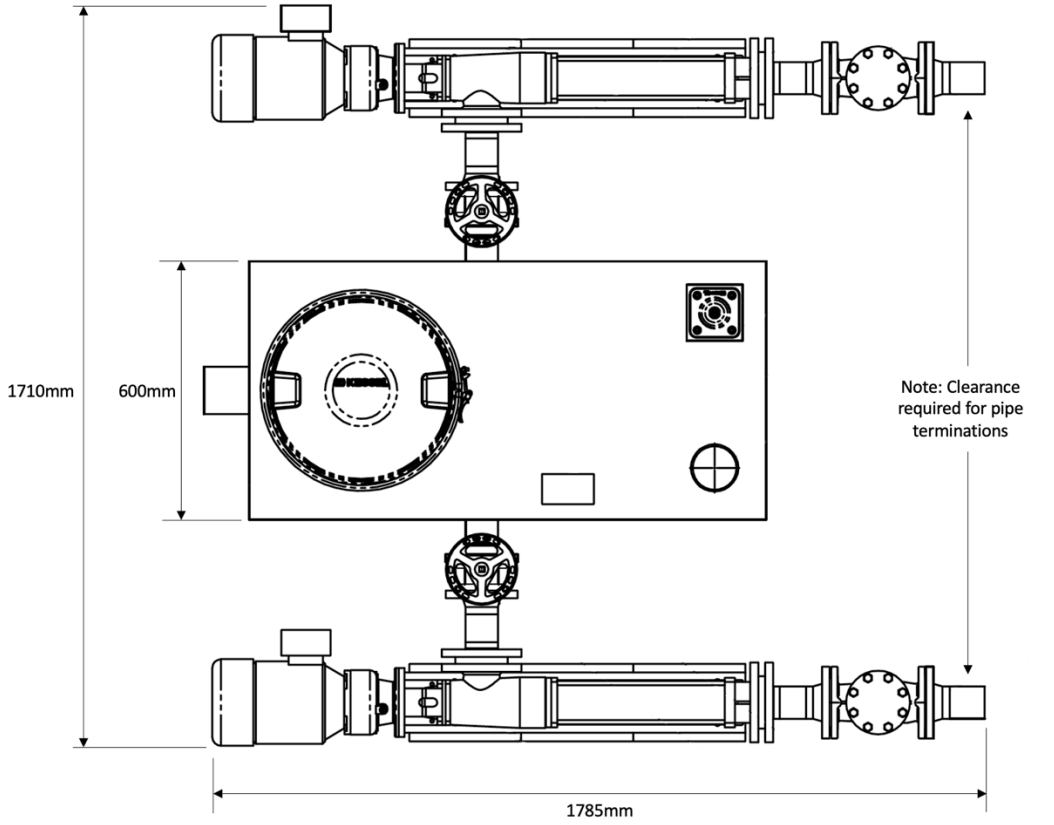
1. Drains in the kitchen
2. Inlet pipe
3. Collecting tank
4. Screw pump double system
5. Control unit
6. Pressure pipe
7. Calmed inlet
8. Grease separator
9. Sampling chamber

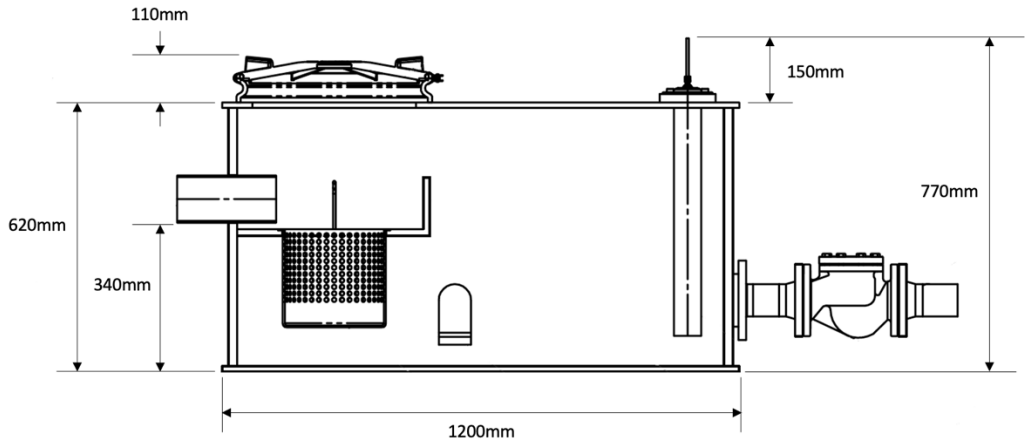
In the illustration above, the kitchen fixtures drain to a collecting tank. A Kessel double screw pump system lifts the greasy water via a pressure pipe to a grease separator.

The location of the grease separator is only limited by the capacity of the pumps, and could easily be installed outside of the building, or in a location convenient for the periodic extraction of grease and sediment.

NEW ZEALAND MADE

DIMENSIONS





NOTE: Pumps can be mounted to the tank as shown above or mounted separately with a vacuum line to the tank.

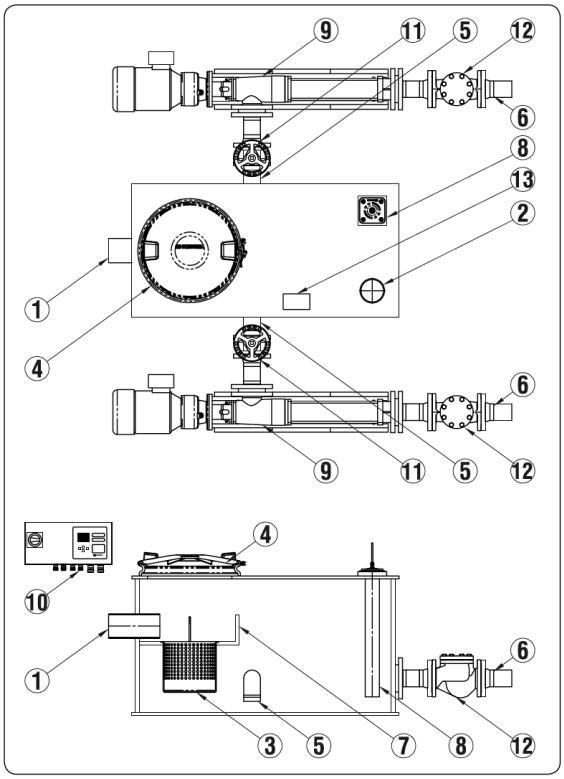
SYSTEM TYPES

Pumping capacity	Power	Mono	Duo	Piping	suitable up to NS*
6.5 m³/h	1.1 kW	x	x	DN65	NS 4
12 m³/h	2.2 kW	x	x	DN80	NS 7
20 m³/h	3.0 kW	x	x	DN100	NS 15
44 m³/h	7.5 kW	x	x	DN125	NS 30

* applies to Duo systems

FUNCTIONAL CHARACTERISTICS

1. Inlet (Diameter in accordance with the customer wishes, usually DN100 or DN150)
2. Ventilation DN100
3. Perforated sludge bucket
4. Cover
5. Pump suction pipe (DN65/DN80/DN100 in accordance with the pump capacity
6. Pump pressure pipe (DN65/DN80/DN100 in accordance with the pump capacity
7. Overflow
8. Immersion pipe with level measurement
9. Progressing cavity pump
10. Control unit
11. Shut-off valve (optional accessory)
12. Backwater flap
13. Type plate



INTENDED USE

The system has only been designed for wastewater from kitchens with a maximum inlet temperature of 60°C. Higher temperatures lead to system damage. The lifting station represents one component in a whole system. Please take note of the operating instructions for the system as a whole and the individual components. During assembly, maintenance, or service and repair work on one of the components, the entire system should always be put out of operation and secured against unintentional restart.

The Greasy Lift system must not be used in a potentially explosive environment.