

Grease Guardian®

EN1825



CENTRALISED EN1825 GREASE TRAP NS RANGE

EN 1825 fully certified

Robust body constructed in Stainless Steel 304 matt finishing

Hi efficiency on Grease and Sludge collection

Minimal maintenance required

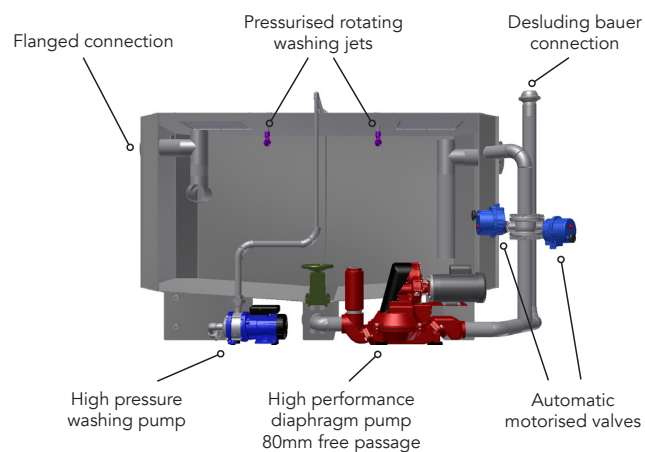
Easy to install and maintain

Suitable from 2 to 30 lt/s (with tandem applications)

Air tight closure with marine manholes type

Full size inspection window

Full customer support



OPTIONAL FEATURES

High pressure washing kit with rotating multi jet nozzles

Category 5 washing system with integrated storage tank

Diaphragm pump for recirculating process and desludging

Automatically controlled motorised valves

Levels sensors for high grease level

Telemetry or BMS volt free connection



www.greaseguardian.com



FIVE-STAGE OPERATION SYSTEM

STAGE 1 (GGNS)

When wastewater enters the tank, sediment and other solid waste fall to the bottom and remain in the sludge compartment. Each tank has enough volume in the separation compartment to allow fats, oils and grease (FOG) to separate. The FOG rises to the surface and is trapped behind a baffle. Only the clean water is allowed to flow down the drain.

STAGE 2

The entire tank should be emptied when the grease storage capacity is reached. This can be checked from the inspection window available on all models as a standard (GGNS). Or by installing a level sensor (GGNS-L), each time the control panel indicate that the unit reached the maximum collection capacity. Optional.

STAGE 3

Every time the unit is emptied, it must be refilled with fresh water in accordance with the EN 1825 standard.

STAGE 4

To allow for more efficient pumping the Grease Guardian NS range has a wash down option (NSGG-W). The high-pressure rotating washing jets wash down the system using hot water spray cycle to break the crust on the surface allowing for easier emptying of the tank. The wash system also ensures internal components are kept free of grease' and to assist the cleaning process while manholes are kept closed. Stage 3 will apply after this activity but will be automatically controlled by the PLC.

STAGE 5

For applications where access is difficult or the distance between pump truck and grease trap is vertically greater than 8 meters the option of a waste transfer pump is available to pump out the grease and sludge accumulated using a heavy-duty diaphragm pump which is electrical operated (GGNS-W-P). Before emptying the unit, the diaphragm pump automatically create a recirculation of the internal content with a recirculating system controlled by motorised valves, such that the scum on top of the water level is broken down. This activity is automatically controlled by a Programmable Logic Controller (PLC).

Model	Tank Length (A)	Overall Length (B)	Height (C)	Width (E)	Connection Diametre (D)	Clearance needed (F)	Inlet (G)	Outlet (H)	Vent (I)	Flow Rate
NS 2	1415	1565	1363	720	114	500	1057	987	1150	- l/s
NS 4	1855	2006	1363	1015	114	500	1055	985	1170	-l/s
NS 6	2375	2565	1367	1100	125	500	1089	1020	1175	
NS 6A	-	-	-	-	-	500	-	-	-	-l/s
NS 10	2640	2840	1513	1475	168	500	1229	1147	1269	
NS 10A	-	-	-	-	-	500	-	-	-	-
NS 15	3795	3945	1730	1475	219	500	1380	1217	1430	
NS 15A	-	-	-	-	-	-	-	-	-	-

Sludge volume: 100 l x flow

Grease retention: 40 l x flow

All dimensions in mm. All drawings in this brochure are guidelines and are subject to change. For full specifications and latest drawings on individual models please refer to www.greaseguardian.com or contact your local supplier.

For invert levels please contact your local supplier.

GGNS (Standard)

GGNS-L (Level Sensor)

GGNS-W (Standard with washdown)

GGNS-L-W (Level sensor and washdown)

GGNS-L-W-P (Wash down, pump and level sensor)



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