

WASTE WATER TREATMENT

High Quality sewage treatment plants

Certified according to **MEPC 159 (55)**

HL-Cont PLUS 02 Slim



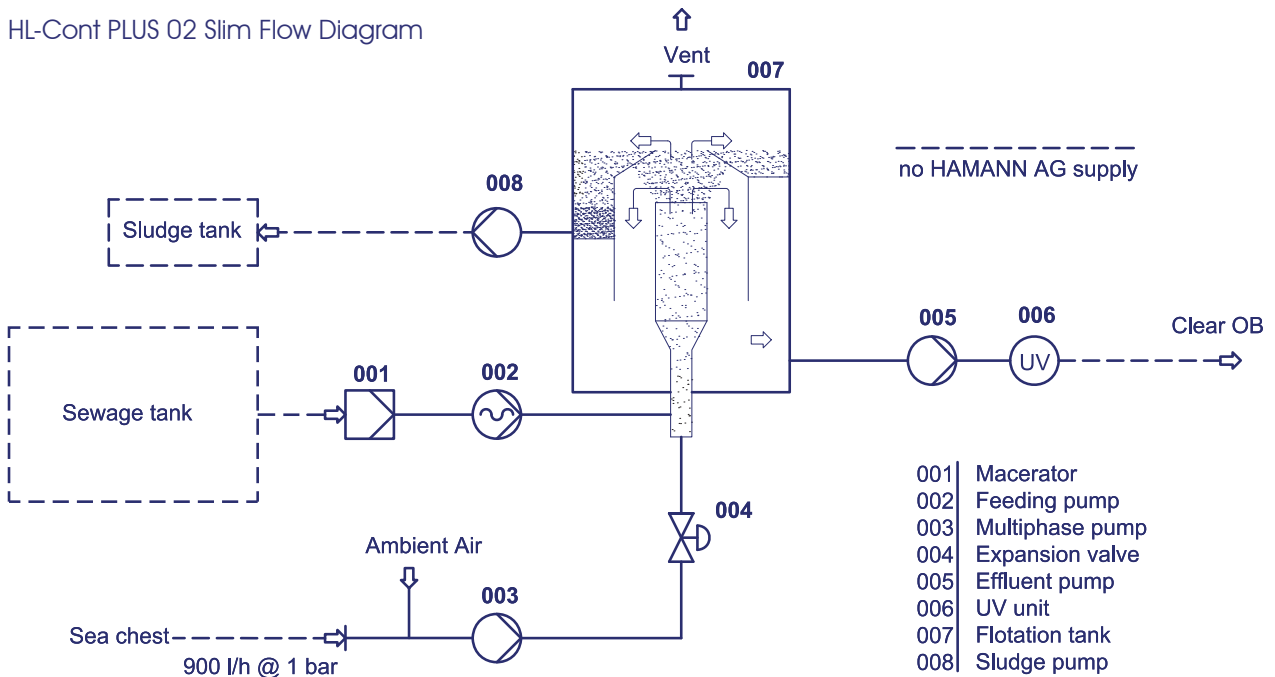
This plant treats 5.200 L/d black & grey water

- ▶ No use of any chemicals or consumables
- ▶ No sensitive parts
- ▶ No use of filters & membranes

Easy operation and low costs guaranteed

Waste Water Treatment according to MEPC 159 (55)

HL-Cont PLUS 02 Slim Flow Diagram



Capacity (litre/day)	Size WxLxH (m)	Empty Weight (kg)	Electrical Consumption	Vent Connection
5.200	plant: 0.75 x 0.95 x 1.0 e-cabinet: 0.21 x 0.6 x 0.6	160 42	3,0 kW	1"

HOW IT WORKS

The HL-Cont PLUS Slim is working without any additives or chemicals.

The physical process is combining micro flotation with ultraviolet light disinfection. The collected sewage water will be transferred from the ships sewage tank via the feeding pump (002) and through the macerator (001) into the flotation tank (007). At the same time the multiphase pump (003) is enriching the macerated sewage water with oxygenated water. By entering the flotation tank the micro flotation process starts and the solids will be separated in a very effective way from the water. The collected sludge will be transferred automatically via

the sludge pump (008) to the ships sludge tank. The effluent pump (005) transfers the purified water via the ultraviolet light (006) overboard. The life time of the UV lamp is 10.000h. The HL Cont PLUS Slim is working fully automatically and controlled by analogue level switches (04 - 20 mA) in the ships tanks.

HAMANN AG is a DIN ISO 9001 approved family owned company and the HAMANN HL-Cont PLUS Slim sewage treatment plant is compliant and certified with the IMO guidelines MEPC.159(55), Annex IV of MARPOL 73/78.