

SOME STANDARD TYPES OUT OF OVER 350 DESIGNS CALCULATED ON GREY AND BLACK WATER TREATMENT

| TYPE | NUMBER OF PEOPLE | CAPACITY | | PEAK LOAD | | DIMENSION AND WEIGHT(L/W/H) | | | |
|--------------------|------------------|----------|----------|-----------|---------|-----------------------------|------|-----------------------|---------|
| | | L/DAY | GAL/DAY | L/HR | GAL/H | M | KG | INCH | LB |
| SUPER MINI | 12 | 2520 | 666,0 | 420 | 111,0 | 0,74 / 0,55 / 0,64 | 75 | 29,1 / 21,7 / 25,0 | 132,3 |
| MINI | 20 | 5400 | 1425,5 | 700 | 184,9 | 0,85 / 1,04 / 1,20 | 250 | 33,4 / 40,9 / 47,2 | 551,1 |
| 1CBM FRAME | 30 | 8100 | 2139,5 | 1000 | 264,2 | 0,35 / 0,77 / 1,05 | 150 | 13,8 / 30,4 / 41,3 | 330,7 |
| MINI BIG | 30 | 8100 | 2139,5 | 1000 | 264,2 | 0,96 / 1,25 / 1,45 | 350 | 37,8 / 49,2 / 57,1 | 771,6 |
| C-45 | 45 | 12150 | 3209,7 | 2800 | 739,7 | 1,30 / 1,45 / 1,70 | 700 | 52,8 / 57,1 / 66,9 | 1543,2 |
| 4CBM FRAME | 80 | 21600 | 5706,1 | 2800 | 739,7 | 0,63 / 1,35 / 1,50 | 360 | 24,8 / 53,1 / 59,1 | 793,7 |
| C-80 | 80 | 21600 | 5706,1 | 2800 | 739,7 | 1,84 / 1,55 / 1,70 | 870 | 72,4 / 61,0 / 66,9 | 1873,9 |
| C-140 | 140 | 37800 | 9985,7 | 5000 | 1320,9 | 1,97 / 2,00 / 1,70 | 930 | 77,6 / 78,7 / 66,9 | 1940,0 |
| 7CBM FRAME | 140 | 37800 | 9985,7 | 5000 | 1320,9 | 0,63 / 1,35 / 1,56 | 360 | 24,8 / 53,1 / 61,4 | 793,7 |
| C-300 | 300 | 81000 | 21398,0 | 10000 | 2641,7 | 2,80 / 2,20 / 2,08 | 1320 | 110,2 / 86,6 / 81,9 | 2910,1 |
| 15CBM FRAME | 300 | 81000 | 21398,0 | 10000 | 2641,7 | 0,73 / 1,35 / 1,94 | 450 | 28,7 / 53,1 / 76,4 | 992,1 |
| C-600 | 600 | 162000 | 42796,0 | 20000 | 5283,5 | 2,72 / 2,84 / 2,24 | 1800 | 107,7 / 111,8 / 88,2 | 3968,3 |
| C-900 | 900 | 243000 | 64194,0 | 30000 | 7925,2 | 2,74 / 3,30 / 3,24 | 3400 | 107,9 / 129,9 / 127,6 | 7716,0 |
| C-2500 | 2500 | 675000 | 178316,2 | 50000 | 13208,6 | 6,62 / 3,45 / 2,40 | 7350 | 260,6 / 135,9 / 94,5 | 16204,0 |

... OPEN END [For further informations and 3D-CAD Models click into a red square](#)

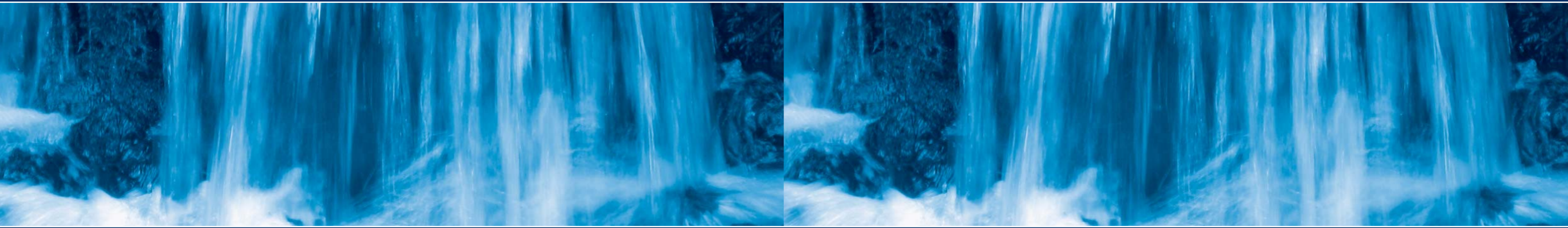
ALL TREATMENT UNITS CAN BE DELIVERED IN COMBINATION WITH ANY VACUUM-SYSTEM



SOLUTIONS FOR A BETTER ENVIRONMENT

WASTE WATER TREATMENT

HIGH QUALITY SEWAGE TREATMENT PLANTS



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SOLUTIONS FOR A BETTER ENVIRONMENT

HL-CONT

WASTE WATER TREATMENT

HIGH QUALITY SEWAGE TREATMENT PLANTS



How it works:

Black and/or Grey water flows by gravity or by vacuum into the ship's collecting tank or the tank of the HL-CONT Sewage Treatment Plant. At a preset level the HL-CONT will automatically start. Once the stop level is reached the plant will go into stand-by function.



An air-vent at the highest point in the pipe loop aerates the sewage to optimize oxidation. The Macerator then cuts all solids into very small pieces, hence enlarging the total surface area of the sewage. A dosing pump will inject Chlorine into the sewage before it enters the Mixing and Draining Pump. Additionally through strong pumping turbulence and together with air and Chlorine these processes begin to oxidise and to disinfect the sewage. The Whirl Container enhances the reaction to achieve optimum oxidation.

The HL-CONT may be operated in restricted areas i.e. sewage is treated and then discharged over board as well as in unrestricted areas. For the latter case a sludge pump is required. The sludge pump ensures easy and fast sludge removal. The mode of the treatment plant is then switched to "discharge" and the tank will be emptied.

- treats Grey and/or Black water
- exceptionally simple, no sieves, no odour, no clogging
- small, compact and low in weight
- tolerates salinity changes and hard detergents
- choice of vacuum or gravity collection
- automatic and certified system start-up
- simple plug&play installation and start-up

We are DIN ISO 9001 approved and our equipment is tested and compliant to IMO MEPC.2(VI), Annex IV of Marpol 73/78 and US Coast Guard Type II

