



COMBI UNIT CU

Combi Unit CU is a complete mechanical pretreatment system for water treatment.

COMBI UNIT CU

With a Combi Unit, you get a cost-effective solution that includes screenings separation with a step screen or spiral screen, followed by a grit and grease trap. All entirely in stainless material in a freestanding unit, with flanged connections. Combi Unit is a good alternative to digging and pouring concrete pools.

Combi Unit is assembled according to the customer's wishes and dimensioned according to each specific need and flow. CU may consist of, for example:

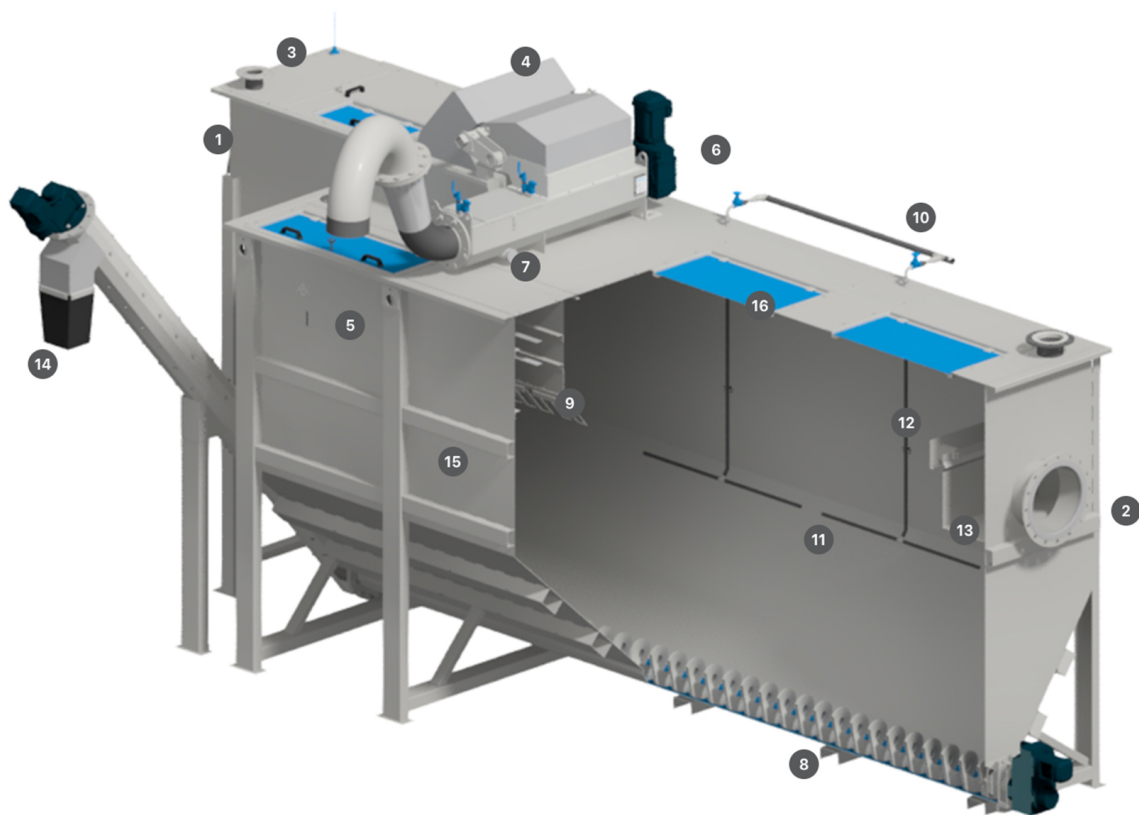
- Screenings separation with Cross Screen XS or Spiral Screen SS
- Screenings treatment with Wash Press TP
- Sand separation with rectangular grit trap or circular vortex grit trap
- Grit trap can be aerated or non-aerated
- Sand treatment with bottom conveyor and discharge conveyor
- Grease separation with surface scraper, scraper table and discharge pump
- Blower and grease pump

FUNCTIONS

- Modern design in strong stainless high-quality material.
- Modular with easily selectable machine types.
- Several different options for screenings separation, e.g. coarse screens, fine screens or filters.
- Alternative screenings treatment, e.g. wash press.
- Alternative grit trap design, e.g. aerated, non-aerated or grease trap.
- Entirely enclosed, safe and hygienic.

SPECIFICATIONS

Width	800-2 400 mm
Inlet/Bar-spacing	1-6 mm
Capacity	5-270 l/s
Drive unit	SEW/Nord
Material	EN 1.4301, EN 1.4404



EXPLODED VIEW

1. Inlet, flange connection
2. Outlet, flange connection
3. Ventilation connection
4. Step screen XS, integrated
5. Hygienic screenings handling with bag cassette (Longopac)
6. Integrated wash press (TP) for screenings washing and compaction
7. Integrated reject water connection, downstream screenings separation
8. Bottom screw for transporting sedimented sand
9. Grease trap with surface scraper
10. Air pipe (for aerated design)

11. Aeration nozzles (for aerated design)
12. Outlet baffle (labyrinth to minimize FOG escape)
13. Outlet overflow for more stable levels during fluctuating flow
14. Sand outlet with spiral conveyor (optional sand pump available)
15. Fully enclosed design with reinforced beam systems
16. Easily accessible inspection and access hatches