



**intergrated tank
for the blower**



**230 V electrical
connection**



**reinforced design
backfill with sorted
material**



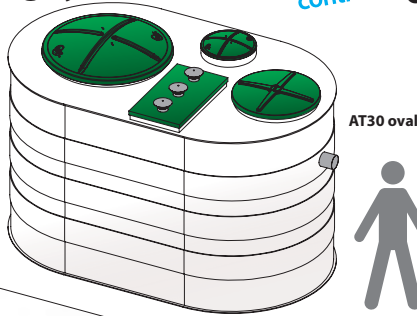
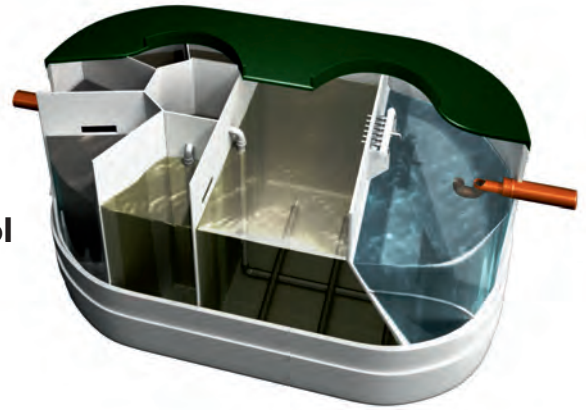
**truck or
container
transport**



**stainless steel
locking system**

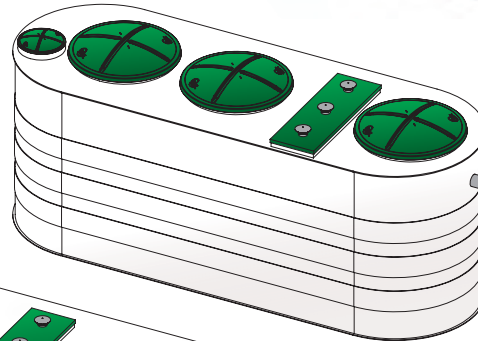


**Remote control
of WWTP**



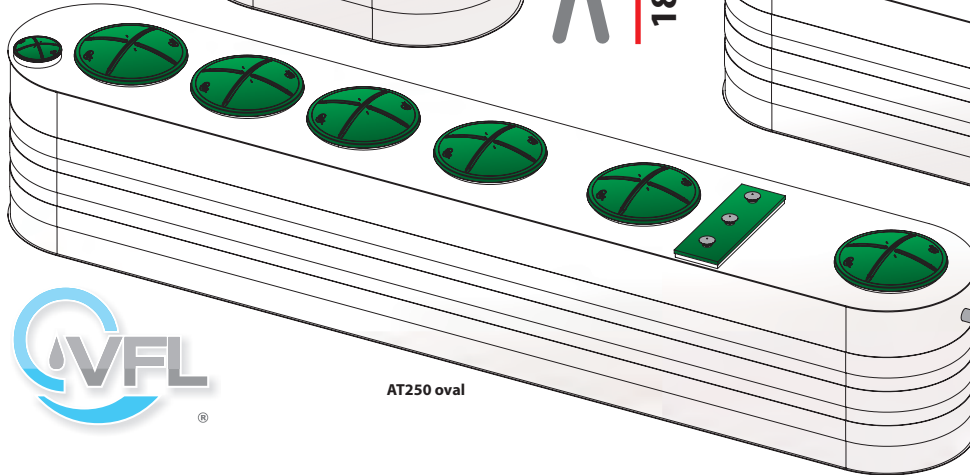
AT30 oval

180 cm



AT100 oval

180 cm



AT250 oval



Oval Wastewater Treatment Plants - AT30 oval to AT250 oval

The range of oval wastewater treatment plants from **AT30 oval to AT250 oval** is designed for decentralized and semi-centralized solutions of wastewater treatment in the range of **4,5 up to 37,5 cubic meters per day (30PE-250PE)**. Supplied separately or as a complete technological line extended with a pumping station with mechanical pre-treatment and sludge tank.

The oval wastewater treatment systems can be installed in parallel lines to **expanded up the capacity**.



AT 30 oval to AT 250 oval wastewater treatment plants were invented to purify sewage water for blocks of houses, small villages, parts of a village, accommodation properties, restaurants, recreational properties, manufacturing factories, industrial parks. After preliminary purification of industrial wastewater with organic pollution the plants serve as biological treatment for meat processing factories, dairy factories and slaughterhouses, wineries, etc. **Furthermore the purified water can either discharge into the surface or underground water, respectively it can be reused for irrigation.**

WWTP Type	Designed daily flow [m ³ /day]	Designed daily load [kg BOD ₅ /day]	Usable volume [m ³]	Length x Width x Height of tank [mm]	Height inflow/outflow [mm]	Weight [kg]	Power input [kW]
AT 30 oval	4,50	1,80	11,60	3720x2260x2250	1700/1500	750	0,36
AT 40 oval	6,00	2,40	15,00	4660x2260x2250	1700/1500	850	0,45
AT 50 oval	7,50	3,00	19,50	4850x2260x2500	2200/1900	940	0,45
AT 75 oval	11,30	4,50	19,80	5160x2260x2500	2200/1900	1040	0,72
AT 100 oval	15,00	6,00	25,50	6410x2260x2500	2200/1900	1400	0,72
AT 120 oval	18,00	7,20	28,50	7110x2260x2500	2200/1900	1460	0,90
AT 150 oval	22,50	9,00	35,00	8560x2260x2500	2200/1900	1750	1,08
AT 175 oval	26,30	10,50	40,50	9760x2260x2500	2200/1900	2000	1,08
AT 200 oval	30,00	12,00	45,30	10960x2260x2500	2200/1900	2230	1,35
AT 225 oval	33,80	13,50	49,80	12000x2260x2500	2200/1900	2360	1,35
AT 250 oval	37,50	15,00	60,00	13460x2260x2500	2200/1900	2800	1,35



Installation of WWTP types AT 30 oval - AT 250 oval

Are installed into the prepared hole as underground tanks on a concrete slab with a thickness of about 300 mm so that the top edge of the revision manholes overlaps about 50 mm above the terrain. Wastewater treatment plant is reinforced, without the need of putting concrete around.

The backfill of the tanks is done with a sorted material. The backfill should be done by layers, while creating a back pressure by filling the water into the tank.



Oval Wastewater Treatment Plants - AT30 to AT225 oval iPS

The range of oval wastewater treatment plants from **AT30 to AT225 oval iPS** is designed for decentralized and semi-centralized solutions of wastewater treatment in the range of **4,5 up to 33,8 cubic meters per day (30PE-225PE)**. Supplied separately, with **integrated pumping station** with mechanical pre-treatment. Technological line can be extended with sludge tank.



Integrated Pumping Station (iPS):

- volume 2,2 m³
- 3 floats (min., working, emergency)
- option to install one or two pumps
- GSM control for pumps
- 230 V pumps
- control unit AQC iPS

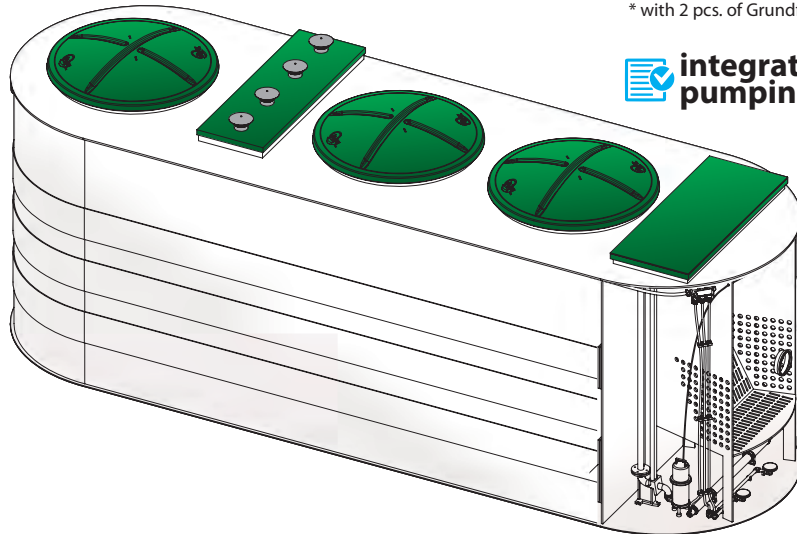


WWTP Type	Designed daily flow [m ³ /day]	Designed daily load [kg BOD ₅ /day]	Usable volume [m ³]	Length x Width x Height of tank [mm]	Height inflow/outflow [mm]	Weight [kg]	Power input [kW]*
AT 30 oval iPS	4,50	1,80	14,0	4660x2260x2250	1200/1500	1130	2,96
AT 40 oval iPS	6,00	2,40	17,8	4850x2260x2500	1200/1900	1280	3,05
AT 50 oval iPS	7,50	3,00	21,4	5660x2260x2500	1200/1900	1420	3,05
AT 75 oval iPS	11,30	4,50	23,0	5960x2260x2500	1200/1900	1530	3,32
AT 100 oval iPS	15,00	6,00	27,9	7110x2260x2500	1200/1900	1850	3,32
AT 125 oval iPS	18,80	7,50	34,4	8560x2260x2500	1200/1900	2150	3,50
AT 150 oval iPS	22,50	9,00	39,8	9760x2260x2500	1200/1900	2270	3,68
AT 175 oval iPS	26,30	10,50	45,2	10960x2260x2500	1200/1900	2480	3,68
AT 200 oval iPS	30,00	12,00	49,9	12000x2260x2500	1200/1900	2640	3,95
AT 225 oval iPS	33,80	13,50	55,0	13360x2260x2500	1200/1900	2890	3,95

* with 2 pcs. of Grundfos SEG.40.09.2.1.502 pump

Installation of WWTP types AT 30 - AT 225 oval iPS

Are installed into the prepared hole as underground tanks on a concrete slab with a thickness of about 300 mm so that the top edge of the revision manholes overlaps about 50 mm above the terrain. **Wastewater treatment plant is reinforced, without the need of putting concrete around.**



 **integrated pumping station**

 **truck or container transport**

 **plug and play installation**

 **reinforced design backfill with sorted material**

 **setup and control of pumps**

 **stainless steel locking system**

