



LEADING WASTEWATER TREATMENT TECHNOLOGIES



**How to start your local assembling factory  
■ for VFL® wastewater treatment plants.**

# Pre-cut wastewater treatment plants prepared for local final assembling

(only for residential wastewater treatment plants AT6, AT8, AT10, AT12)



## Steps to start your local assembling factory



- 1 Contact with VFL® Holding.
- 2 NDA with VFL Holding.
- 3 Discussion about prices and details, we do not charge any license fees.
- 4 Contract about cooperation, assembling and use of certificates. Visit at our factories.
- 5 Training of your workers in Europa, which includes production, operation and service.
- 6 Equipment of assembling factory in your location and short training at opening.
- 7 Opening of local assembling factory.



# Pre-cut wastewater treatment plants prepared for local final assembling

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## Assembling overview

### Delivery:

- Wastewater treatment plant plastic parts, pipes and components
- Membrane air blowers for wastewater treatment plants
- Covers for wastewater treatment plants
- Tanks for the air blower
- Control unit for residential wastewater treatment plants AT6-AT20
- Packaging

### Equipment:

- Local assembling factory equipment

### Training:

- Training of your workers and visit from VFL® Holding



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# Pre-cut wastewater treatment plants prepared for local final assembling

(only for residential wastewater treatment plants AT6, AT8, AT10, AT12)



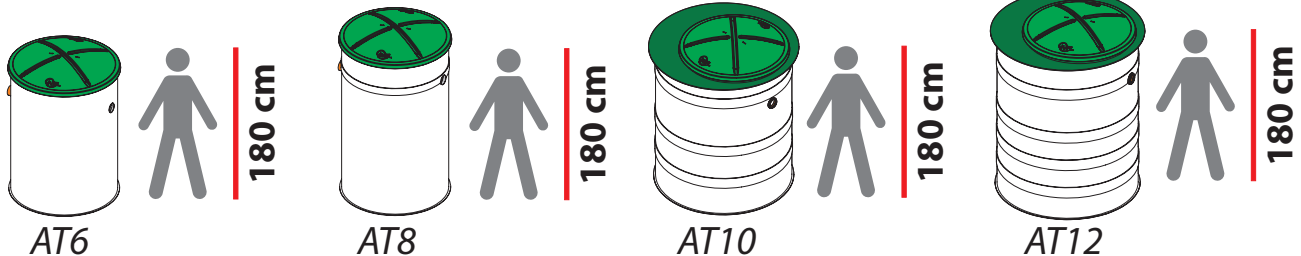
## Wastewater treatment plant plastic parts, pipes and components

Type of WWTP      Diameter / Height of WWTP      Time need for local assembling

	[mm]	[hour]
<b>AT6</b>	1400 / 1800	<b>10</b>
<b>AT8</b>	1400 / 2200	<b>17</b>
<b>AT10</b>	1750 / 2000	<b>28</b>
<b>AT12</b>	1750 / 2200	<b>30</b>

### Conditions:

- Signed contract for assembling.
- Passed training (certified workers).
- Minimum order from one type is 10 pieces.
- Advance invoice payment.
- Time for local assembling depends on the skills of workers.



## Membrane air blowers for wastewater treatment plants

### Information:

- We have recommended air blowers, but you can use locally available models (after confirmation from VFL Holding) with same outputs.
- Check the voltage (230V vs. 115V) and plugs you need.



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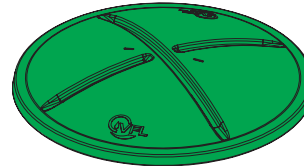


## Covers for wastewater treatment plants

Please select one option:

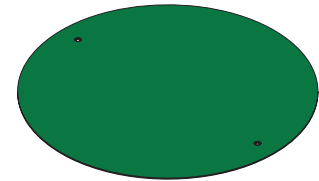
**A: Rotomolded cover**  
with stainless steel locking system.

**B: Cover welded from PP sheets**  
with stainless steel locking system.



**A: Rotomolded cover**

**B: Cover welded from PP sheets**  
(with plastic reinforcement)



### Information:

- Cover welded from PP sheets has a reinforcement from plastic on the bottom side.
- Covers for (both types) for AT10 and AT12 includes also reduction piece from diameter 1750 mm to 1400 mm made from welded PP sheets.

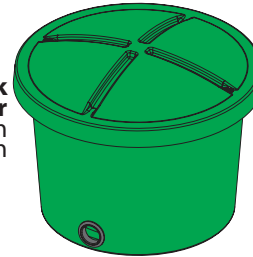
## Tanks for the air blower

Please select one option:

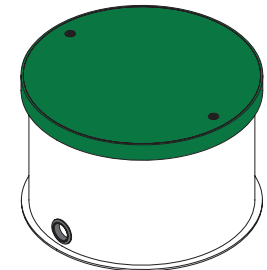
**A: Rotomolded tank for the blower**  
with stainless steel locking system and DN50 gasket.

**B: Tank for the blower welded from PP sheets**  
with stainless steel locking system and DN50 gasket.

**A: Rotomolded tank for the blower**  
diameter 600 mm  
height 400 mm



**B: Tank for the blower welded from PP sheets**  
diameter 600 mm  
height 400 mm



# Pre-cut wastewater treatment plants prepared for local final assembling (only for residential wastewater treatment plants AT6, AT8, AT10, At12)



- **Control unit for residential wastewater treatment plants AT6-AT20**

*Information:*

- Check the voltage (230V vs. 115V) and plugs you need.



- **Packaging**

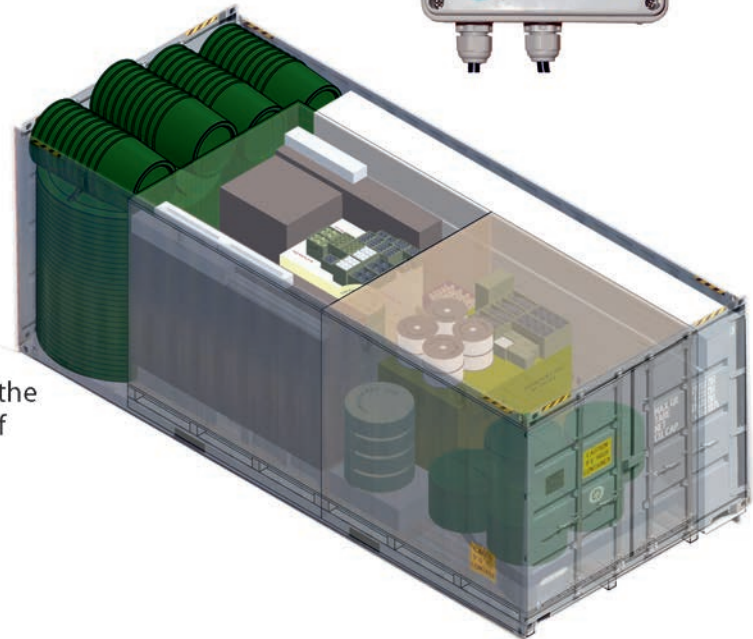
**Approx. capacity**

40 FT. STANDARD CONTAINER  
**40-100 pieces**

20 FT. STANDARD CONTAINER  
**20-50 pieces**

*Information:*

- The capacity depends on the combination of the wastewater treatment plants types and use of rotomolded of pre-cut PP sheet parts.



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## • How to establish local assembling factory?

- You need about **300 m<sup>2</sup> production place** + outside space as storage.
- **Two trained workers.**
- Local market and water law know-how.
- Right equipment for the assembling factory.



## Equipment for local assembling factory - minimal needed equipment list.

- |  |   |                                   |
|--|---|-----------------------------------|
| 1. Battery Screwdriver                   | 10. Bench plane                             | 19. Direct saw                    |
| 2. Drilling machine                      | 11. Pliers                                  | 20. Polyfusion welder             |
| 3. Workshop rack 1 - for tools           | 12. Air compressor for butt welding machine | 21. Work table min. 2000x1400x920 |
| 4. Workshop rack 2 - for components      | 13. Hand welding machine                    | 22. Prolonger 10 m                |
| 5. Workshop rack 3 - for components      | 14. Meter rubberized                        | 23. 300mm angle with swath        |
| 6. Workshop rack 4 - for components      | 15. Knife                                   | 24. Clamps                        |
| 7. Chisels flat                          | 16. Burring tool                            | 25. Spirit level                  |
| 8. El. cabinet (sockets .... 230, 400 V) | 17. Circular saw                            | 26. Butt welding machine          |
| 9. Extruder welding machine              | 18. Convex circular saw                     | 27. Chop                          |

## • Training of your workers visit from VFL® Holding

### Training in Europa

- two workers for **assembling, maintenance and service** are trained
- **30 days** intensive and complete training at VFL® Holding
- **certification** of VFL® assembling worker, maintenance and service of VFL® wastewater treatment plants

### Local start of the assembling factory

- **two persons** are send from VFL® Holding
- **10 days** or operation starting for the local assembling factory
- **assembling of first pieces, installations under local conditions**



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