

# CFP

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## CFP - wastewater treatment plant

Ideal treatment plant with built-in sludge storage

Unrivaled  
because of buffer area for daily quantity.  
Therefore the treatment plant is safe to operate due to  
consistent loading of the biological stage and thus  
guarantuees a continuous process within 24 hours.  
No spate of effluent!



- Little weight
- plant made of sanitary sewer resistant plastic
- minimal input of maintenance and energy
- notably lower costs of sludge disposal
- Increased operating reliability
- important saving of costs for civil works
- Easy to install!

## CFP - AUSTRIA

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**Robust and dimensionally stable due to honeycomb structure**

Dimensioning after:  
ÖNORM B 2502-1 und EN 12566-1

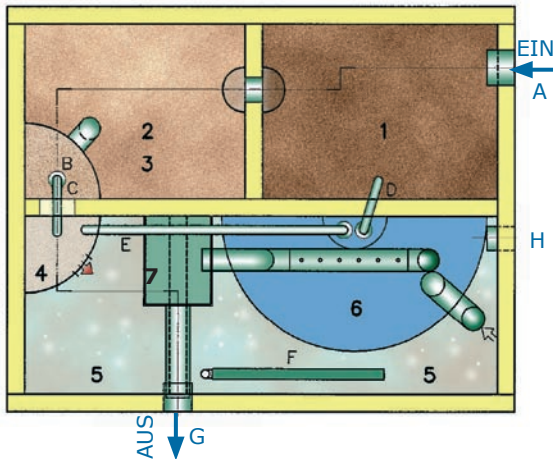
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**CFP - Treatment plant,  
made of highly resistant plastic  
(Polypropylene)**

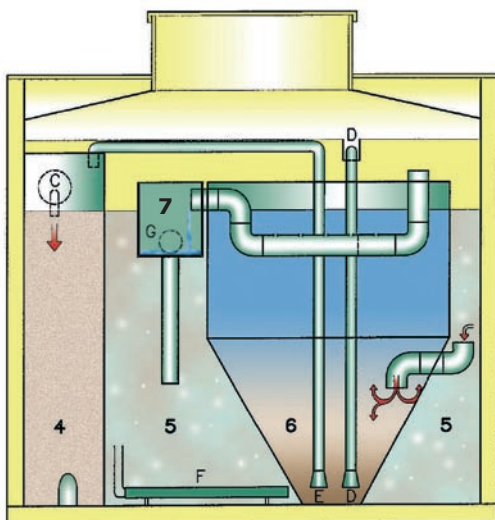
**Resistant against chemical  
attacks by hydrogen sulfide,  
sulfuric and sulfurous acids on  
a continuous basis**

**Low weight - approx. 10% in  
comparison with concrete**



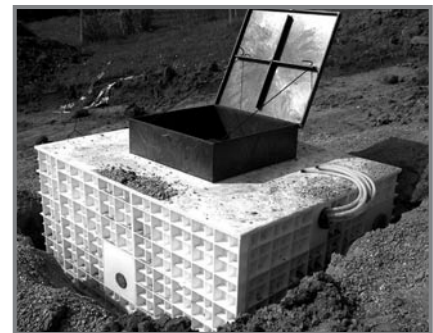
**Top View**

1. Primary treatment with sludge storage
- 2./3. Primary treatment with buffer area for high flow periods
4. Selektor
5. Aeration tank
6. Final sedimentation
7. Case for taking samples



**Cross section**

- A. Inlet
- B. Air lift device
- C. Emergency overflow
- D. Excess sludge
- E. Return activated sludge
- F. Aerator
- G. Final effluent discharge point
- H. Opening for air lift pipes



| CFP treatment plants 5 PT to 15 PT - summary of table up to 50 PT |                       |                   |           | Volume of individual stages of process |                            |                              |                                    |                      |
|---|-----------------------|-------------------|-----------|--|----------------------------|------------------------------|------------------------------------|----------------------|
| Number of persons   | Exterior dimension cm | Overall height cm | Weight kg | Primary treatment m <sup>3</sup>       | Buffer area m <sup>3</sup> | Aeration tank m <sup>3</sup> | Final sedimentation m <sup>3</sup> | Total m <sup>3</sup> |
| 5   | 236 x 147             | 240               | 520       | 2,0                                    | 0,5                        | 1,3                          | 0,4                                | 4,2                  |
| 8   | 236 x 147             | 280               | 670       | 2,0                                    | 0,8                        | 2,0                          | 0,6                                | 5,4                  |
| 12  | 236 x 207             | 280               | 790       | 3,1                                    | 1,0                        | 3,0                          | 0,8                                | 7,9                  |
| 15  | 236 x 257             | 280               | 900       | 3,7                                    | 1,2                        | 3,6                          | 1,0                                | 9,5                  |

**CFP wastewater treatment plants up to 50 PT and larger on request**

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