

HUBER DeWaTec BatchPLUS® Comfort



The well proven SBR-plant for high capacity sewage
Purification

Product Information

The well proven **SBR-plant** HUBER DeWaTec Batch PLUS® Comfort offers an impressive reliability and extraordinary **flexibility** – as required by the latest guidelines, classifications and new legal requirements, but also in response to changing workload due to a longterm absence of a family member or an addition to the family.

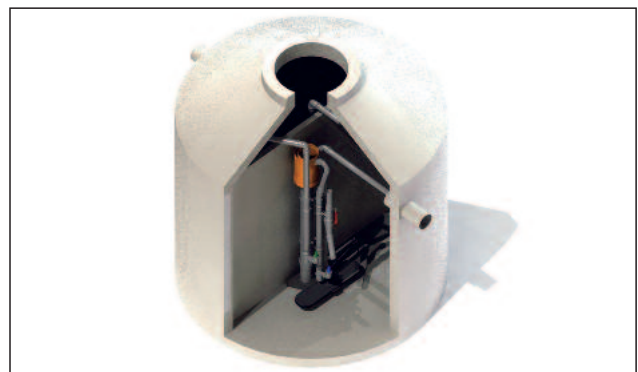
The extraordinary flexibility of this Advanced Aerobic Treatment Unit (ATU) offers maximum **planning reliability** – for new building as well as for refitting into two- or three-compartment tanks.

HUBER DeWaTec Batch PLUS® Comfort operates to technological standards that are already well proven in communal and industrial applications. The excellent purification performance (documented by the **DIBt approval Z-55.3-120**) is far above average, as a result of the high quality of the system control. Carefully chosen components guarantee an extremely rapid reaction time and an **excellent reliability**.

The control software is sophisticated, user-friendly and makes it very easy to produce maintenance protocols. Furthermore, special functions support **improved site control**: with the assistance of (optional) GSM-technology for example, messages about filling levels can automatically be sent to E-mail addresses or mobile phones via SMS. The sophisticated remote **control technology** permits controlled access to the site and reduces servicing call-out charges.



Fast Installation, perfect adaptation, completely failsafe and – as required by the latest legal requirements – the highest purification performance: convincing arguments for HUBER DeWaTec Batch PLUS® Comfort.



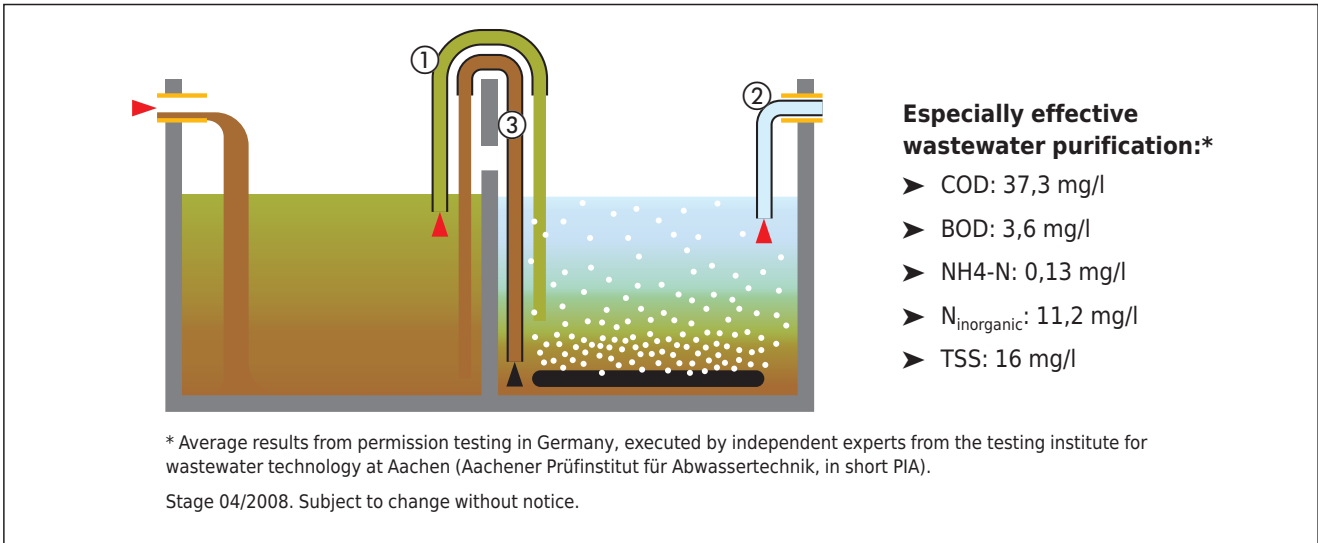
Technical overview:

For larger SBR small sewage treatment plants (20 to 50 users) please call our free service phone: **0800 8766671**.

Users	Number of tanks	Inside diameter in metres*	Depth in metres*	installed engine output [kW]	aeration** Ø [h/d]	energy consumption Ø, total [kWh/d]
4	1	2,00	1,20	0,085	6,52	0,87
6	1	2,00	1,60	0,100	6,52	1,01
8	1	2,50	1,40	0,130	6,52	1,29
10	1	2,50	1,70	0,130	7,18	1,38
12	1	2,50	2,10	0,180	6,52	2,62
16	1	2,50	2,70	0,180	6,52	2,62

* operative examples; variations can be supplied.

** may vary in operation under reduced, energy saving working load.



Presentation of the operating mode of an SBR unit.

➤➤ The reliable purification of domestic wastewater during the SBR-process.

The first compartment is for mechanic primary treatment. Then the wastewater is transported into the biological treatment area 1. During this procedure and for a period afterwards the site of the biological treatment is aerated. In this way the sludge is “animated” and the microorganisms can do their detergent work.

After aeration comes the recovery phase, when clear water is separated from the activated sludge. Now a

precisely determined amount of purified wastewater is drained off 2. Any excess activated sludge is transported back into the first chamber 3. The area of biological treatment can now be filled again.



➤ The benefits provided by the HUBER DeWaTec BatchPLUS® Comfort:

Each retrofit package is designed and calculated individually by the engineers at HUBER DeWaTec. Basic data for these calculations are the volume of the existing chambers respective pits, the size of the household, the number of users, and the average amount of wastewater per day. With this adjustment the plant goes **far beyond all legal regulations** in Germany. HUBER DeWaTec Batch PLUS® Comfort even meets the highest European guidelines, set by the relevant authorities in Finland and the Netherlands. Furthermore, the plant can be switched into an **energysaving holiday operation mode** and has **much more to offer**: Neither a later enacted nitrification or denitrification to further protect the environment, an additional elimination of phosphorus nor an addition to the family create problems for the owner of a HUBER DeWaTec Batch PLUS® Comfort: The plant can be flexibly adjusted in accordance with all possible requirements – that makes HUBER DeWaTec Batch PLUS® Comfort a very safe investment.

Further benefits:

- low energy consumption
- operates completely biological
- available for the outlet classifications C, N, D and +P
- DIBt authorization Z-55.3-120
- CE certification
- little installation time, low installation costs, easy to maintain
- optional remote control technology
- guaranteed durability



When basic conditions change a HUBER DeWaTec Batch PLUS® Comfort can easily be adjusted. For example with an additional solution to eliminate phosphorus (P+).

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