



# BC SBR EVO

## DOMESTIC WASTE WATER TREATMENT PLANT

### BC S SBR EVO

We proudly present the next generation of biological domestic waste water treatment plants from **ENVI-PUR – BC SBR EVO**, a system that adapts to your lifestyle.



#### HIGH EFFICIENCY

The new **SBR EVO technology** not only meets all legislative requirements for waste water treatment – it exceeds them with a comfortable margin across all monitored parameters.



#### SIMPLE AND RELIABLE OPERATION

The innovative technology enables highly efficient biological treatment with intuitive control via a smart control unit.



#### LONG SERVICE LIFE

The tank is made from **premium, non-recycled polypropylene** with a wall thickness of **8 mm**, ensuring maximum durability, long service life and structural stability.



#### IDEAL FOR VARIABLE AND SEASONAL USE

SBR EVO is an excellent choice for properties with irregular waste water production, such as holiday homes, cottages, lodges or guest facilities. The system can fully restore its function even after **five months of inactivity**, making it ideal for seasonal properties.



#### FAST INSTALLATION WITH WORLDWIDE SUPPORT

Thanks to our international network of authorised sales and service partners, we supply and install complete solutions **from A to Z**, ensuring professional support whenever you need it.



QUICK RETURN ON INVESTMENT



HIGH EFFICIENCY



SIMPLE CONTROL



DURABLE MATERIALS



QUIET OPERATION



EASY MAINTENANCE



INGENIOUS TECHNOLOGY



## Technical parameters of BC 4-12 SBR EVO

| MODEL                            | BC 4 SBR EVO | BC 6 SBR EVO | BC 10 SBR EVO | BC 12 SBR EVO |
|----------------------------------|--------------|--------------|---------------|---------------|
| Population equivalent (PE)       | 1-4          | 5-6          | 7-10          | 11-12         |
| Daily flow (m <sup>3</sup> /day) | 0.48         | 0.72         | 1.20          | 1.44          |
| Tank diameter (mm)               | 1,200        | 1,400        | 1,700         | 1,900         |
| Tank height (mm)                 | 2,058        | 2,058        | 2,500         | 2,500         |
| Weight (kg)                      | 135          | 150          | 170           | 190           |
| Inlet/outlet                     | DN 150       | DN 150       | DN 150        | DN 150        |
| Power consumption (kWh/day)      | 0.65         | 0.80         | 1.45          | 1.75          |
| Voltage                          | 230 V        | 230 V        | 230 V         | 230 V         |

## Treatment efficiency of BC 4-12 SBR EVO

| BC 4-12 SBR EVO without phosphorus precipitation     | COD  | BOD <sub>5</sub> | SS   | N-NH <sub>4</sub> | N <sub>total</sub> | P <sub>total</sub> |
|--|------|------------------|------|-------------------|--------------------|--------------------|
| Purification efficiency (%)                          | 96.3 | 98.8             | 99.1 | 89.5              | 72.6               | 46.6               |
| Residual pollution (mg/l)                            | 23.7 | 2.9              | 2.8  | 5.2               | 16.7               | 6.3                |
| BC 4-12 SBR EVO P-LESS with phosphorus precipitation | COD  | BOD <sub>5</sub> | SS   | N-NH <sub>4</sub> | N <sub>total</sub> | P <sub>total</sub> |
| Purification efficiency (%)                          | 97.3 | 99.1             | 99.1 | 86.8              | 68.1               | 93.8               |
| Residual pollution (mg/l)                            | 16.9 | 2.0              | 2.9  | 5.9               | 18.7               | 0.7                |

## Accessory

### Included in the price of the WWTP:

- polypropylene tank (first-grade material)
- complete internal SBR EVO technology
- membrane blower (model-specific)
- BonBloc® Compact control unit
- integrated lifting straps for easy handling
- inlet and outlet DN 150 (inner)
- conduit opening DN 90 (inner)
- complete documentation



## Worldwide representatives

### We have sales representatives in more than 30 countries.

Our authorised partners operate globally, offering complete services from design and installation to maintenance and long-term customer care.

