

CONNECTING THE BIONUT 2 PACKS

SIMOP MANUAL FOR INSTALLERS AND SERVICE TECHNICIANS.
MANDATORY CONSULTATION BEFORE ANY BIONUT2 PACK IS PUT INTO SERVICE (4, 5 OR 6 PE).



Give the best back to earth

NOTICE

ATTENTION
When installing the BIONUT2 unit, cut the lead on the trough flush (fig.1) and recover the documentation and the 45° elbow (PVC DN100) necessary for the connection of the secondary ventilation.



A HYDRAULIC CONNECTION
1. Effluent inlet to the septic tank (fig. 2)
(the PT must be connected to a DN100 pipe) (fig. 3)

If there is a pumping station upstream of the BIONUT2 unit, it is necessary to provide a tranquilization manhole chamber (also called "jet-breaking manhole") to break the pressure and guarantee the good efficiency of the all-water tank to separate the floating matter, the heavy sludge and the clarified water.



2-Exit of the pre-treated water from the all-water tank to the compact filter (fig. 4) Turn the T upwards at 45° (waiting for the connection of the secondary ventilation). The T is placed between 2 sleeves.

Already connected at the factory: nothing to do (check only for leaks when filling).

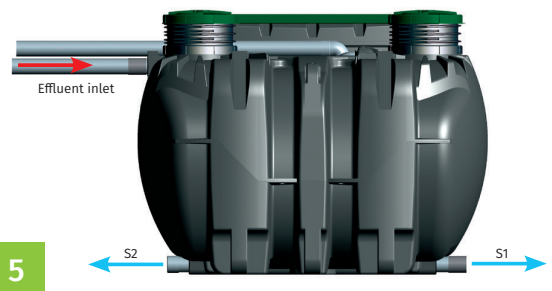


3. Treated water outlet (fig. 5)
Choice of 2 possible outputs for the treated water:

Choice n°1 Output S2 is blocked at the factory (fig. 6). just connect the S1 output.

Choice n°2 Cut S2 upstream of the plug and proceed with the connection. Be careful to close the S1 outlet

S1 ready to be connected (simply remove the KAPSTO and glue the pipe in DN100) (fig. 7)



INSTALLATION INSTRUCTIONS - BIONUT COMPACT FILTER

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B CONNECTION OF THE VENTILATIONS

1. Primary Ventilation

This ventilation is ensured by the wastewater supply pipe, extended in diameter (100 mm minimum) to the air free and above the roof of the house.

Warning: major non-compliance in the event of a membrane valve under the roof because this device does not provide sufficient ventilation for the proper functioning of the BIONUT2 system.

2- Air intake of the compact filter (fig.8)

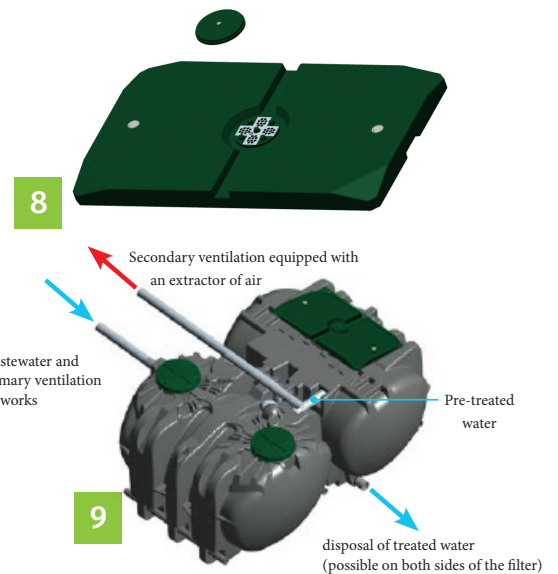
The new rectangular cover contains the ventilation cap and is also equipped with a rodent screen and an insect screen. There is no need to make any other connection for the air intake of the compact filter.

3- Secondary ventilation

The secondary ventilations of the all-water tank and the compact filter are grouped together at the same point in the piping, between the 2 tanks (fig. 9)

- Recover the 45° elbow in DN100 supplied with the pack .

- Turn the T between the tank and the compact filter to 45° and glue the 45° elbow in DN100 for the connection of the secondary ventilation to the outlet, 40 cm above the ridge and 1 m from any opening and any other ventilation (especially the primary ventilation) .



C CONNECTION OF A LIFTING STATION RELBIONUT AT THE OUTLET OF A COMPACT FILTER

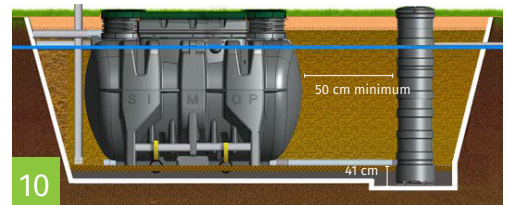
Laying of high outlet unit

Proceed with the same backfilling steps ...as for a low outlet installation.

Position the lifting station as close as possible to the outlet of the compact filter, respecting a minimum distance of 50 cm.

For the RELBIONUT lifting station for the RELBIONUT pumping station: Provide a reservation of 41 cm height, in the excavation or the concrete slab (according to the ground). When installing in ground with water table, the backfilling of the pumping station must be made with stabilized sand.

Please refer to the PRELPE installation instructions, available on our website www.simop.fr



D IF THERE IS ANOTHER LIFTING STATION AT THE BIONUT 2 OUTLET

Attention: it is important to ensure that this station is working properly in order to guarantee the performance and life span of the BIONUT2 system. Indeed, any prolonged malfunction of the lifting system or insufficient water level under the inlet water line of the lifting station will lead to an accumulation of water at the bottom of the compact filter and a risk of clogging of the filter bed.

E CONNECTION OF A LIFTING STATION RELBIONUT AT THE OUTLET OF A COMPACT FILTER

A well designed and manufactured product, a correct installation and a regular maintenance are the keys to a long-lasting efficiency of the BIONUT2 system. We therefore strongly advise to subscribe to a maintenance contract, on the basis of a visit every 2 years for this system.