GENAP INSTALLATION INSTRUCTIONS

ANTI ALGAE COVER

Genap Anti algae sheet for storage silos, diameters varying from 1,82 to 30,95 metres.

Sheet
A tape/monofil woven, coloured black, which excludes light and dirt and is waterpermeable. It has a reinforced hem all round, with sheet rings every 50 cm.

Supplies

Inside use:
Dralon cord; cord brackets and M12 nuts

Outside use:
PVC tube min. 40 mm. diameter; tube connections; glue (PVC-U) and Dralon cord

The tubes and tube connections, glue (PVC-U) and tie wraps are not delivered but available at local suppliers.

Delivery:
- The anti-algae cover is delivered in consultation and in accordance with the order, usually at the same time as a water silo or water silo liner is delivered.
- Standard sizes for inside and outside use
- The sheet and supplies are generally packed in one box, on a pallet in shrink-wrap foil.

Fitting conditions

Inside use:
Because of the location indoors of the tank; installation is not restricted to certain conditions.

Outside use:
The floating sheet must be fitted when:
- The water level in the silo is about 0.5 metres (almost empty) or less than 0.5 metres from the top edge of the silo (nearly full).
- Wind speed < force 5, to be judged by the responsible fitter on site.
- Temperature > 5°C

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Installation

Inside use:

- Pull the anti-algae cover over the silo wall, distribute the excess of sheet evenly over the tank edge
  and secure the cover temporarily to the connection bolts in four or five places. (sheet diameter is
  about 80 cm. larger than tank diameter).

- Tension the anti-algae cover with the aid of the Dralon cord supplied. Thread the cord alternately through the sheet-rings and the cord brackets on the bottom connection bolts of the upper siloplates until the last sheet-ring is reached. Tie the cord off here.

Outside use:

- Use thin-walled PVC tubing, minimum Ø40 mm, to tension and float the anti algae cover. This
  tubing is **not** supplied with the cover. Glue the required lengths of PVC tubing together:

  Total length: = 3.14 x (Ø silo - 15 cm)

  Bend this length into a circle and glue the two ends together (straight tube connections can be used
  in order to glue the tubes together)

- Place the anti-algae cover over the PVC ring and lash the cover to the PVC ring by threading the Dralon cord provided in a spiral pattern through the sheet-rings and around the PVC tubing. See also drawing: 3I1B0501.

- In case of water silos with a diameter of more than 5 meters it is advisable to fit an extra (1/2 diameter) floating ring or straight tubes with the help of cable ties (tie-wraps)

- It is advisable to mount/glue the PVC floating ring together outside the silo; the mounting/fixing of
  the anti-algae sheet to the PVC floating ring can be done out- and inside the silo. For the relatively
  small diameters (< 8-10 meter) this can be done inside the silo; for the larger diameters it's wise to
  do it in the silo. In this case the installation at the upper edge of the silo -so in case of high water
  levels- is of great advantage.

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Additional information:

- The distance between the wall of the silo and the centre of the floating tube = approx. 75 mm.
- Floating PVC ring has to be glued together watertight with respect to the floating capacity of the ring
- Where there is a filling point coming over the edge, make a gap or opening in the sheet where the input hose is to go in and fix this to the filling tube with a hose clamp. Let the input hose hang down to the bottom. This method prevents splashing onto the sheet.
- Water bags should be laid on top of the Anti-algae floating sheet in a star shape to keep the sheet permanently in place in windy areas.

After care / maintenance guidelines:

- In order to guarantee that the floating sheet functions properly for many years you must adhere to these fitting instructions and prevent mechanical damage.
- If the silo is outside it is recommended that the sheet is inspected regularly after high wind or storm. Check the wall of the silo, the tank covering and the floating sheet for any damage during these inspections. If any damage is discovered this should be repaired as soon as possible.
- It is better not to draw any water off from the silo when ice has been formed.

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