

# THE ORIGINAL "STRAIGHT FLUSH" SYSTEM

The ORIGINAL "STRAIGHT FLUSH" SYSTEM is designed to provide a fast emptying of slurry channels with pure pig slurry under the slats. The slurry is lead through a pipe system from the channel in the stable to a reception pit or storage tank. The system is available in Ø 200, 250 and 315 mm.

The "STRAIGHT FLUSH" system is constructed from our custom-made PVC fittings, standard fittings and authorized PVC pipes.

The stoppers are made of PEHD and are mounted with a rubber ring. The stoppers lie on a stay inside the pipe which gives an optimal tightness.

The system can be constructed in two ways:

1. T-pieces with rubber ring
2. Stubs for gluing



T-pieces and stoppers 200-250-315mm



Gluing stubs and stoppers 200-250-315mm

The ORIGINAL "STRAIGHT FLUSH" system from Fog Agroteknik A/S gives you the following benefits:

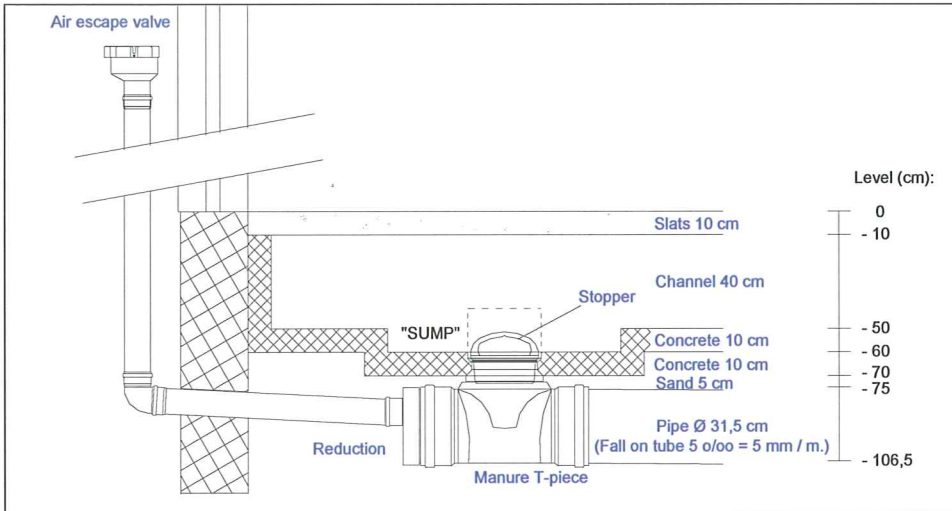
- Quick installation
- No leakage to subsoil water
- Economic investment and low running costs
- Easy to plan after individual solutions
- Guarantee of a functional system\*

AGRICULTURAL ENGINEERING AND TRADING / HANDELS- OG INGENIØRFIRMA

## Fog Agroteknik A/S

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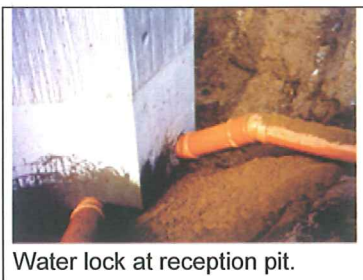
Here is an example of the level, of the first manure T – piece in the system.

In this case the channel is on 40 cm and a sump on 10 cm.

The "STRAIGHT FLUSH" – system has to have a fall of 5 ‰ = 5 mm pr. meter all the way from the first manure T- piece to the reception pit.

### Fog Agroteknik recommend:

- Slurry channels with a depth between 40 and 60 cm
- The System has to have fall 5 ‰ = 5 mm / m
- At the reception pit you install a water lock
- Air escape valves are placed in both ends of the system
- A sump is made round the outlet (manure T-piece)



Water lock at reception pit.



A sump is a lower area on 10-20 cm in the channel bottom around the outlet (manure t-piece). The sump can be 1 x 1 meter or 1 meter in the total width of the channel. The sump round the outlet (manure t-piece) makes the slurry "break" in two stages. This increases the out-flow and breaks dry slurry surfaces efficiently..

### Use of the "STRAIGHT FLUSH" – system:

- Let out the slurry every second week. When flushing out every second week you avoid the danger of hydrogen sulphide gas.
- Start with the stopper which is farthest away from the reception pit.
- Empty one channel at a time.

You can use a little bit of straw/betting in the buildings, but then we recommend Ø 315 mm.

We can help with planning of the slurry system, this way you are sure to obtain a system that will work correct. We have more than 30 years experience.

### Many references all over the world.

\* We guarantee a functional system if it is installed and operated after our recommendations.