

Cleaning nozzle: SNS 200



Intro

- SNS 200 is a Single Nozzle Sweeper with a required hole size for installation of $\text{Ø}=200\text{mm}$.
- Hydraulic driven, via the mounted drive unit.
- Adjustable Speed and wash pattern.
- Throw length with oil App. 16m, with the higher density water the throw length is increased to app. 20 m.
- Normally for installation in floating roof tanks. But it can also be used in fixed roof tanks.
- A side mounted version also exists for installation through openings in the shell.



Installation

After having prepared the correct connection facilities for the SNS, either by cold tapping or utilizing existing man holes etc. Insure that these all have the correct flange installed (Ø395 flange (10", PN10)), so that the SNS can be installed.

1. Make sure the SNS nozzle is pointing straight down
2. Insert the SNS into the Trunk and secure it to the trunk using the supplied bolts and nuts. Make sure there is a gasket in between the trunk and the SNS, but also insure that ALL parts are grounded to the roof. When inserting the SNS wear antistatic shoes and NO PVC or similar gloves.
3. Connect the piping the SNS.
4. Connect the hydraulic oil.
5. Adjust the turning points and the rotating speed of the nozzle. It is important that the SNS is adjusted to fit the actual conditions inside the tank. (sludge level, tank conditions, sludge distribution and sludge type). Slow speed results in heavy duty wash.
6. Check the adjustment and functioning of the SNS when ever it is in use.



Spray pattern

The SNS sprays in a spiral pattern, where the inclination increases with 4 degrees for every rotation. The Nozzle can operate from 0-108°. Once the rotating direction is changed from the top position the nozzle will turn 180° horizontally and then drop 2 ° in inclination. After this angle drop the nozzle will drop gradually 4° of inclination for every rotation of 360° , thus spraying in between the tracks made on the way up.



SNS200

