

## 1. Local Conditions

Local conditions for growing crops or ornamental plants need to be reviewed. The following indicators should be found out:

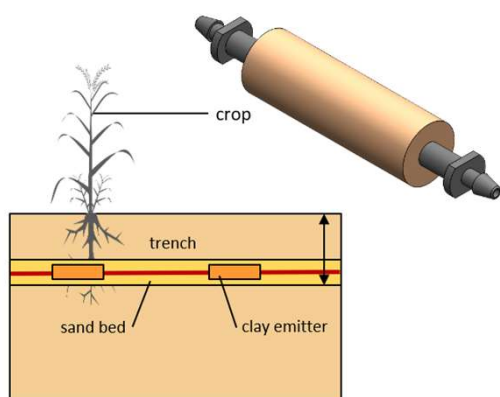
### Indicators

- |   |  |
|---|--|
| <input type="checkbox"/> type of crop                           | <input type="checkbox"/> water quality       |
| <input type="checkbox"/> number of crops                        | <input type="checkbox"/> geometric terrain   |
| <input type="checkbox"/> water source (tank or pressure supply) | <input type="checkbox"/> type of fertilizers |

*Please check the main manual*

## 2. Choose the installation method

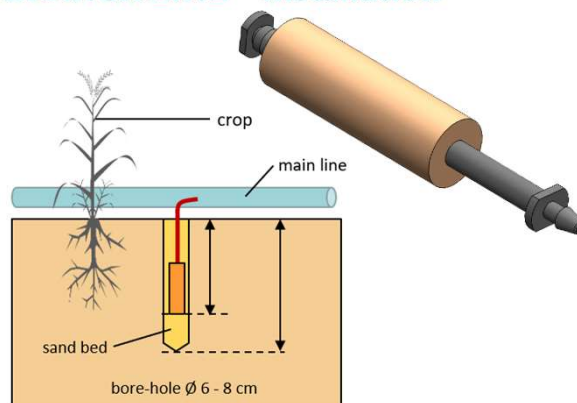
### IN A ROW – installation



clay emitters are connected in a “row” via one tube line, that is positioned below the soil surface

- digging **trenches** next to the crop required

### BRANCH LINE – installation

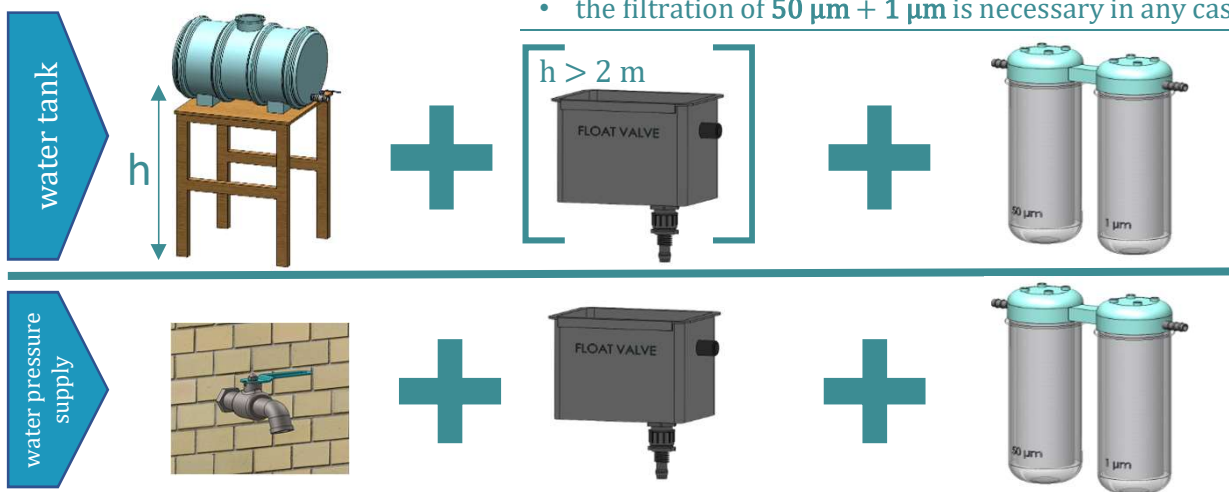


clay emitters are connected via branch lines; the main line can be positioned above the soil surface

- **bore holes** next to the crop required

## 3. Water pressure and filtration

- the SLECI system works under a pre-pressure of **0.2 bar**
- a **float valve / pressure reducer** may be required
- the filtration of **50 µm + 1 µm** is necessary in any case



## 4. Irrigation plan

An irrigation plan makes it easier to calculate the required parts of the system

Experience has shown that the following hose lengths are required:

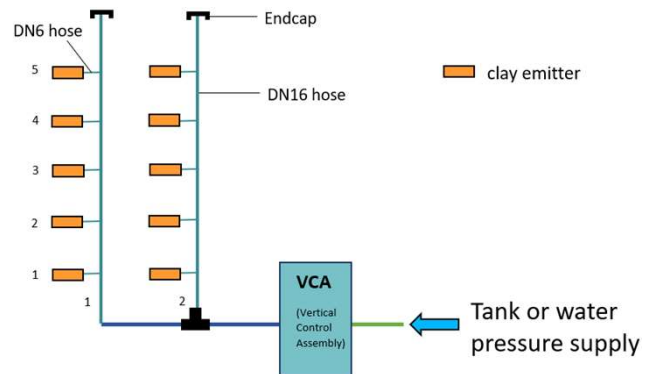
### Branch line installation

DN16 tube → distance between crops & crop rows  
main line → between water source & irrigation lines

### In a row installation

main line → between water source & irrigation lines

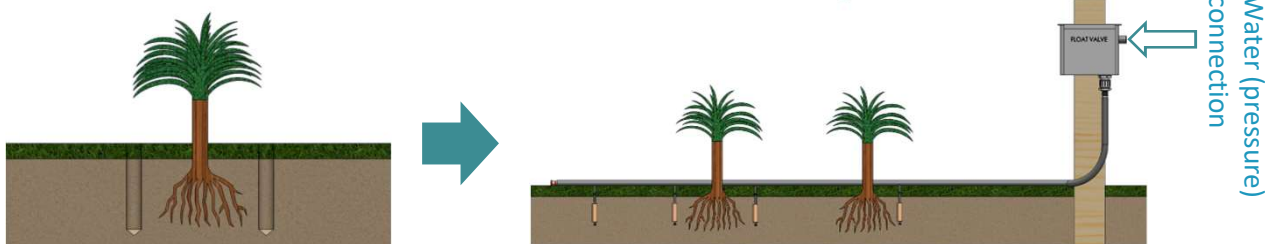
## Example of field with 10 crops, branch line installation



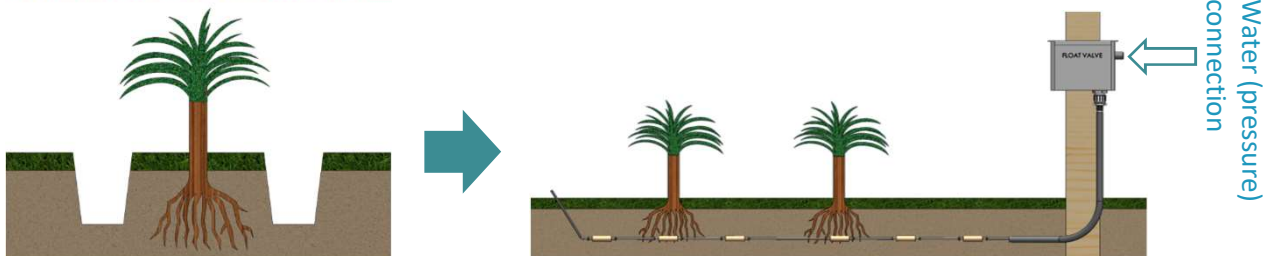
## 5. Installation

1. Depending on the installation method (see 2.), digging into the soil are necessary (excavations).
2. Position the clay elements next to the shoot axis of the crop. Adjust the tubes.
3. Install and mount the VCA at 2 m height if necessary (required pre-pressure = 0.2 bar).
4. Connect tubes, connectors and valves to the water supply.
5. Conduct a successful test run.
6. Fill the excavations with fine sand (around the clay element) and soil

### Branch-line installation method – drilling bore holes suitable for clay elements



### In-a-row installation method – excavating of trenches for clay elements line



## 6. Maintenance

To ensure functionality, the following activities must be conducted regularly:

- ✓ Ensure the water quality is suitable and that the water connection works
- ✓ Replace the filter cartridges (see print of the filter system)
- ✓ Check the flowability via water meter/ open end caps
- ✓ Observe of plant growth
- ✓ Replace clay emitters if necessary



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Installation & Maintenance Vids

QR-CODE

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