

Stacked DC/CC containers

DC containers / CC containers are common use in greenhouse horticulture. Whole DC /CC containers are stacked for cooling storage. In addition, half DC containers are also stacked. Incorrect stacking can lead to instability that can cause danger with regard to tilting and tipping over, possibly resulting in serious injury.

What is the desired situation?

- ✓ The DC / CC containers do not tilt or fall.

✓



✓



Measures

- Increase cooling capacity so that DC / CC containers do not have to be stacked.
- When stacking whole containers: CC containers or containers of a demonstrably equivalent level are used.
- When stacking half containers: DC containers or containers of a demonstrably equivalent level are used.
- Check material present on a daily basis for defects (uneven shelves, broken posts, etc.).
- When stacking whole DC/ CC containers, only use connecting rods as shown in the photo.
- Stacked whole DC / CC containers with connecting rod.



- When stacking half DC containers, use only the stacking blocks (interfaces) as shown in the photo.
- Stacking half DC containers with stacking blocks (interfaces).



- Do not load the whole DC / CC containers heavier than 450 kg.
- During stacking and driving with whole DC / CC containers, ensure that no employees are present within a 3 meter radius.
- Drive stacked whole DC / CC containers in the cooling storage with an electric tug.
- Only drive on level floors and avoid transitions as much as possible.
- Provide demonstrable instruction with regard to safe use (see workinstruction).
- Provide personal protective equipment when stacking CC containers: safety helmet NEN-EN 14052, safety shoes (standard EN ISO 20345, minimum class S1) and work gloves.



- For half DC containers: safety shoes (standard EN ISO 20345, minimum class S1) and work gloves.



Daily workinstructions stacked whole DC / CC containers in cooling storage

- Stacking whole containers: CC containers or containers of a demonstrably equivalent level are used.
- Make sure that stacking can take place on a level floor.
- Check CC containers for uneven shelves, broken posts, remove dirt between wheels etc., if necessary.
- The (un) stacking of CC containers may only take place in the cooling storage itself. The containers are placed as close as possible to the place where they will eventually be placed.
- Place connecting rod.
- When stacking, use only a electric forklift with a cage.
- Ensure that no employees are walking within a 3 m radius during lifting.
- Moving stacked containers is only carried out with a (manual) electric tug.

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Whole DC / CC container stacked with connecting rod.



Whole DC / CC container stacked without connecting rod.