

# Propagator couplings

Discontinued



Netafim supplies the VDL propagator coupling specially for irrigation of mobile growing systems. This coupling enables water to be supplied under pressure in rotating systems. A reliable supply of water is then possible without having to make a manual connection every time. If the growing gutter or tray is placed in a row, the connection is made automatically. A continuous link is then made between the gutters/trays so that water can be supplied easily using an automatic coupling unit (at one or both ends of the row). When a gutter or tray is removed from the row, the connection is closed again so that the gutter/tray can be moved to the side.

Propagator couplings are available with and without check valves. A system with check valves in the propagator coupling prevents the dripper hose running dry during the sideways movement.

The propagator coupling is thus extremely suitable for use where the system is frequently rotated.

The Eco coupling is a propagator coupling without check valve that is particularly suitable for mobile systems that are seldom rotated.

## APPLICATION

The propagator coupling is used in mobile growing systems

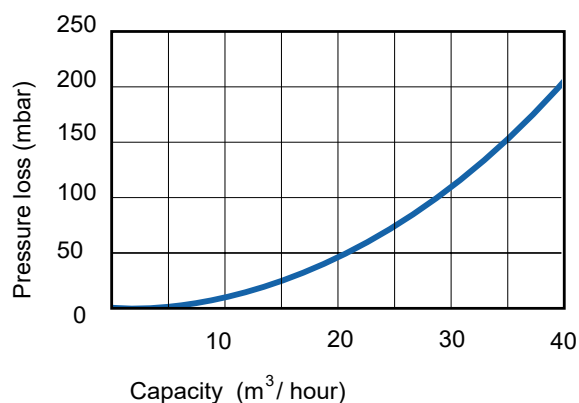
## CHARACTERISTICS

- ✓ The propagator coupling consists of a male and a female coupler and a coupling pipe
- ✓ The length of the coupling pipe depends on the width of the growing gutter/tray
- ✓ The coupling is optionally fitted with check valves to prevent the pipework running dry
- ✓ The dripper hose can be connected to both the male and the female parts by means of (elbow) compression joints
- ✓ The propagator coupling is suitable for use together with the Kameleon dripper
- ✓ The coupling can be fitted with a cam that engages in the pipe clamp to prevent it from twisting during use

## TECHNICAL DATA

Diameters	: Ø 63 mm (with check valve) pressure loss Ø 63 mm : Ø 50 mm (without check valve)
Hose connection	: Ø 25 mm (male) : Ø 20 mm (female)
Pressure loss	: see table (Ø 63 mm) : Pressure loss from the 50 mm propagator coupling is 0

### Pressure loss Ø 63 mm



## INSTALLATION & MAINTENANCE

- ✓ Installation of the propagator coupling on or under the growing gutter/tray by means of pipe clamps.
- ✓ The parts of the coupling system are supplied separately. Use a template during gluing to glue precisely. Ensure that the glue vapours in the coupling are discharged by leaving the coupling open during the drying process.