

# DAN Bridgeless



The DAN Bridgeless, the reliable predecessor of the DAN Bridgeless S, was specially developed to meet the high demands of Dutch greenhouse horticulture. It is the ideal solution when there is limited free space above the sprinkler. The Bridgeless sprinkler is installed upside down and is also available as a Cold Greenhouse (KK) version. The recommended free space above the sprinkler is 35-45 cm..

## APPLICATION

The Bridgeless is predominantly used for flowers, vegetables and potted plants cultivation

## CHARACTERISTICS

- ✓ Predecessor of the Bridgeless S
- ✓ For installation directly into the line or on a suspended (lower height)
- ✓ Six different flow rates
- ✓ Available with 7 mm clamp and in KK-variant

## INSTALLATION & MAINTENANCE

### Installation

- ✓ For installation recommendations, see table 'Greenhouse irrigation' and 'Tunnel irrigation'.
- ✓ Ensure a minimum free space above the sprinkler of 35 cm (40 to 105 l/h), 40 cm (120 l/h) and 45 cm (160 to 200 l/h).
- ✓ Along the façade, a façade sprinkler is recommended i.e. a DAN-7955 (180° sprinkler) with half the capacity and with the same spacing as the Bridgeless S (install directly into the irrigation line).
- ✓ Thoroughly flush the installation before operation.
- ✓ The supplied DAN nozzles can be somewhat "loose" on delivery. During assembly, the parts must be properly pressed/tightened.

### Maintenance

- ✓ For cleaning of the sprinklers, please refer to "Installation and maintenance of sprinkler system", cleaning instructions.
- ✓ Check at regular intervals if the correct working pressure is still set.
- ✓ Regularly check the uniformity of the irrigation installation.

## TECHNICAL DATA

Flow rate	: see table
Spraying profile	: up to 5.0 meters
Recommended working pressure	: 2.0 bar / 2.5 bar
Working pressure	: 1.5 – 3 bar* (increasing flow rate)
Filtration	: 130 micron (brown and grey nozzles) : 200 micron (other nozzles)
Material	: acetal (sprinkler)
Connection	: 7 mm clamp, bayonet (KK: Cold Greenhouse)
Option	: anti-mist

\* *The recommended operating pressure is 2 bar. Increasing the pressure results in lower uniformity and increased wear.*

## Flow rate (l/h) and free space (cm)

Nozzle colour	Brown	Grey	Green	Orange	Black	Blue
Swivel colour	Brown	Black	Black	Black	Black	Black
Free space (cm)	35	35	35	40	45	45
Pressure (bar)	(l/h)	(l/h)	(l/u)	(l/u)	(l/u)	(l/u)
1,5	35	60	91	103	140	180
2,0	43	70	105	120	160	200
2,5	48	78	118	133	180	220
3,0	53	86	130	147	190	245