

DAN Modular sprinkler



The group of modular sprinklers consists of greenhouse sprinklers with a bridge and interchangeable rotors, deflectors, nozzles, LPDs, butterflies and anti-mist elements. The series includes i.e. the DAN-8991, 8996, 7955 (360°, 180° and mist sprinkler). The 'Space Pro' program is available for simulation calculations to allow the best sprinkler to be selected. The modular sprinkler group generally consists of 'downward-facing' sprinklers.

DAN-8991

- ✓ Popular standard bridge sprinkler for greenhouse irrigation
- ✓ High uniformity and reliability, even with minimum heights
- ✓ Suitable for strip and tunnel irrigation with anti-mist element
- ✓ Ensure a minimum free space above the sprinklers of 40 cm (45/70/90 l/h), 45 cm (105/120 l/h) and 55 cm (160 l/h and higher)



DAN-8966

- ✓ Larger range than the DAN-8991
- ✓ Application with large line spacings (e.g. 1 lateral per 6.40 m)
- ✓ Application of container fields (e.g. 3x3) for a finer droplet
- ✓ Can be installed both facing downwards and upright



DAN-7955

- ✓ Application of deflector for small ranges
- ✓ Diameter from 0.3 to 5 m, depending on the height and type of deflector



DAN-7755

- ✓ Just like the DAN-7955, but with anti-mist element
- ✓ Can be installed both facing downwards and upright
- ✓ Applications for biological cultivation, open field



DAN-8955

- ✓ Larger range than the DAN-8991
- ✓ Application with large line spacings (e.g. 1 lateral per 6.40 m)
- ✓ Application of container fields (e.g. 3x3) for a finer droplet
- ✓ Can be installed both facing downwards and upright



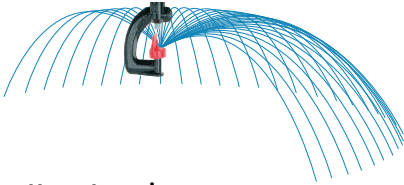
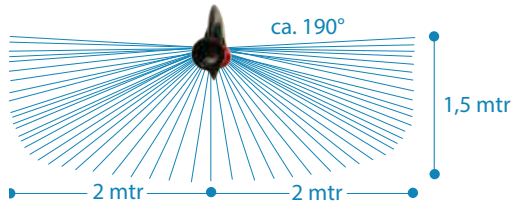
DAN-8855

- ✓ Just like the DAN-8955, but with anti-mist element
- ✓ Suitable for strip and tunnel irrigation



DAN-7955-180°

- ✓ Special version of the DAN-7955 with 180° spray pattern
- ✓ Façade sprinkler in greenhouse, tunnel or container irrigation
- ✓ Cannot be installed on a suspended

**Spray pattern side view****Spray pattern top view****APPLICATION**

The DAN Modular is used for the irrigation of i.e. greenhouse vegetable and flower cultivation, pot plants, spraying, spray mists and dust reduction

CHARACTERISTICS

- ✓ Available with LPD (anti-drain element) to prevent leakage and to create the possibility of short irrigation periods
- ✓ Various flow rates from 25 to 300 l/h (at 2 bar)
- ✓ Lower positioning possible with the 'DAN suspended' (except 180° sprinklers)
- ✓ Tailor made solution for alternative applications

TECHNICAL DATA

Flow rate	: see table
Filtration	: 200 - 300 micron
Working pressure	: 2 bar
Connection	: 3/8 WW, M11 and PE-4/7
Option	: 1.5 / 3.0 bar (modified radius and flow rate)
Option	: LPD
LPD opening pressure	: 1.4 bar (low-pressure LPD)
anti-mist element	: 1.7 bar (old model LD-LPD)

INSTALLATION & MAINTENANCE**Installation**

- ✓ DAN sprinklers are generally installed 'facing downwards', but can also be installed upright.
- ✓ For the DAN-8991, a free space of 30 cm above the sprinkler is recommended (downward discharge).
- ✓ For installation recommendations, see table 'Greenhouse irrigation' and 'Tunnel irrigation'.
- ✓ Along the façade, a façade spray is recommended with a DAN-7955-180° sprinkler, with half the flow rate and with the same spacing as the sprinkler for roof irrigation.
- ✓ Flush thoroughly before operation.
- ✓ When using this sprinkler in PE lines (also as suspended), no wetting agents or soap can be used.

Maintenance

- ✓ For cleaning of the sprinklers, please refer to section "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.

Possible flow rate for modular sprinklers

Nozzle colour	Black	Violet	Brown	Grey	Green	Orange	Yellow	Blue	Ivory	Black
Flow rate @ 2,0 bar	25	35	45	70	105	120	160	200	235	300
DAN-8991	-	-	-	+	+	+	+	+	+	+
DAN-8966	-	-	-	-	-	+	+	+	+	+
DAN-7955	-	+	+	+	+	+	+	+	-	-
DAN-7955-180°	-	-	+	+	+	+	-	-	-	-
DAN-7955-mist	-	+	+	+	-	-	-	-	-	-
DAN-8955	-	-	-	+	+	+	+	+	-	-
DAN-8855	-	-	-	-	-	Orange AM	Green AM Yellow AM	Blue AM	-	-
DAN-Flipper	+	+	+	-	-	-	-	-	-	-