

# FlexBow™

A multi outlet irrigation loop with high clogging resistance dripping points and superb water distribution.



User friendly



Superb uniformity



Efficient maintenance

## / Benefits & Features

- **User friendly** Easy installation, reducing labor costs at installation and during crop rotations.
- **Superb uniformity** FlexBow™ features Netafim's high clog-resistant labyrinths, ensuring uniform distribution with reduced clogging risk.
- **Efficient maintenance** Allows for quick and easy maintenance activities due to easy flushing press-fit connector.
- **High clogging resistance** Even with challenging water quality, with self-cleaning labyrinth that flushes debris, throughout operation.
- **Wide filtration area** Ensures optimal performance even under harsh water conditions, preventing the entrance of sediments into the labyrinths.
- **Wide water passages** TurboNet™ labyrinth ensures wide water passages, large deep and wide cross-section that improves clogging resistance. The water is drawn into the dripper from the stream center, preventing the entrance of sediment into the drippers.

## / Specifications

- The flow from each dripping outlet will be determined by the hub dripper, divided evenly by the number of water outlets.
- Compatible with various container diameters according to the different possibilities presented.
- Flow rate: 4.0 to 32.0 l/h.
- Max. operating pressure: 4.0 bar.
- Min. operating pressure: according to hub dripper specifications.
- Superb chemical and UV resistance for extended durability.
- Colored light gray for improved light reflection.

## → FlexBow™ models

| Circumference diameter (mm) | Number of dripping points |
|-----------------------------|---------------------------|
| 211                         | 8                         |
| 264                         | 10                        |
| 317                         | 12                        |
| 370                         | 14                        |
| 474                         | 16                        |

\*It is important that the chosen circumference does not come close to the limits of the pot/container, otherwise part of the irrigation and nutrients could adhere to the walls of the pot/container and not reach the roots correctly.

## → FlexBow™ flow rates and minimum required pressures

| Circumference diameter (mm) | Number of dripping points | Nominal flow rate (l/h) / minimum pressure requirements (bar) at the hub dripper/bubbler inlet |           |              | Flow rate (l/h) per dripping point |
|-----------------------------|---------------------------|--|-----------|--------------|------------------------------------|
|                             |                           | PC HCNL  | PCJ™ LCNL | PCJ™ bubbler |                                    |
| 211                         | 8                         |  | 4 / 0.71  |              | 0.50                               |
|                             |                           |  | 8 / 0.72  |              | 1.00                               |
|                             |                           | 12 / 1.46  | 12 / 0.76 |              | 1.50                               |
|                             |                           |  | 15 / 0.80 |              | 1.88                               |
| 264                         | 10                        | 6 / 1.41   |           |              | 0.60                               |
|                             |                           | 12 / 1.42  | 12 / 0.72 |              | 1.20                               |
|                             |                           |  | 15 / 0.76 |              | 1.50                               |
|                             |                           |  |           | 20 / 1.10    | 2.00                               |
| 317                         | 12                        | 6 / 1.41   |           |              | 0.50                               |
|                             |                           | 12 / 1.42  | 12 / 0.72 |              | 1.00                               |
|                             |                           |  |           | 20 / 1.06    | 1.67                               |
|                             |                           |  |           | 25 / 1.10    | 2.08                               |
| 370                         | 14                        |  | 8 / 0.71  |              | 0.57                               |
|                             |                           |  | 15 / 0.72 |              | 1.07                               |
|                             |                           |  |           | 20 / 1.06    | 1.43                               |
|                             |                           |  |           | 30 / 1.10    | 2.14                               |
| 474                         | 16                        |  | 8 / 0.71  |              | 0.50                               |
|                             |                           |  | 15 / 0.72 |              | 0.94                               |
|                             |                           |  |           | 25 / 1.06    | 1.56                               |
|                             |                           |  |           | 30 / 1.10    | 1.88                               |

## → FlexBow™ package data

| Model | Quantity p/box (units) | Box dimensions (cm x cm x cm) | Box weight (kg) | Boxes per pallet (units) |
|-------|------------------------|-------------------------------|-----------------|--------------------------|
| 211   | 300                    | 85.0 x 28.5 x 28.5            | 5.5             | 12                       |
| 264   |                        |                               |                 |                          |
| 317   |                        |                               |                 |                          |
| 370   |                        |                               |                 |                          |
| 474   |                        |                               |                 |                          |

Missing package data available upon request.

→ Catalog numbers

**FlexBow™**

Catalog number 77470 - (any of below 6 digits)

| Illustration  | Model  | Catalog number |
|---|--|----------------|
|  | FlexBow™ 211 mm / 8.3" loop, light gray color, with installed connectors (3*8 mm barbed + press fit male/female), xxx units/box  | 000600         |
|   | FlexBow™ 264 mm / 10.4" loop, light gray color, with installed connectors (3*8 mm barbed + press fit male/female), xxx units/box |                |
|   | FlexBow™ 317 mm / 12.5" loop, light gray color, with installed connectors (3*8 mm barbed + press fit male/female), xxx units/box |                |
|   | FlexBow™ 370 mm / 14.6" loop, light gray color, with installed connectors (3*8 mm barbed + press fit male/female), xxx units/box |                |
|   | FlexBow™ 474 mm / 18.7" loop, light gray color, with installed connectors (3*8 mm barbed + press fit male/female), xxx units/box |                |

Missing catalog numbers available upon request.

→ Related products

| Illustration  | Model  | Catalog number |
|---|--|----------------|
|    | Micro tube 3*5 mm<br>(to connect the FlexBow™ to the hub dripper outlet) |                |
|   | SPE, 200 meter coil, colored gray  | 40005-000201   |
|   | SPE, 500 meter coil, colored gray  | 40005-000200   |
|   | SPE, 1000 meter coil, colored gray                                       | 40005-000203   |
|  | FlexBow™ barbed connector 8*3*8, light gray                              | 77470-000105   |
|  | 8 mm barbed/ male press fit, light gray                                  | 77470-000650   |
|  | 8 mm barbed/ female press fit, light gray                                | 77470-000651   |
|  | Stake to fix a 8 mm OD pipe  | 32500-002150   |