

FlexBow™

Multi-outlet irrigation loop designed for container applications, providing uniform water distribution with high clogging resistance.



Benefits & Features

User-friendly installation

Simple and fast installation, reducing labor requirements during both system setup and crop rotations.

Superb distribution uniformity

FlexBow™ integrates multiple high clogging-resistant Netafim™ labyrinths, ensuring uniform water distribution across the container with reduced clogging risk.

Efficient maintenance

Enables quick and easy maintenance through a press-fit flushing connector, allowing efficient system cleaning when required.

Long-lasting, high clogging resistance

Ensures reliable performance through multiple self-cleaning labyrinths that continuously flush debris during operation. A large filtration area before each outlet significantly reduces the risk of suspended particle ingress, maintaining dependable performance across a wide range of water qualities.

The TurboNet™ labyrinth at each outlet features wide, deep flow passages with large cross-sections that enhance clogging resistance. Water is drawn from the center of the flow stream, further minimizing particle ingress.

Applications



Open field



Orchards



Protected crops

- Suitable for on-surface installation across a wide range of field conditions.
- Delivers uniform hydraulic performance on flat terrain, sloping fields and variable topographies, in accordance with the selected hub dripper.
- Ideal for precision irrigation in pots, containers and grow bags, particularly in nursery applications.



Specifications

- Container compatibility: Suitable for a range of container diameters, depending on the selected configuration.
- Recommended minimum flow per outlet: 0.5 l/h.
- Maximum operating pressure: 4.0 bar.
- Minimum operating pressure (at hub dripper inlet): According to the table below.
- High resistance to chemicals and UV radiation for extended durability.
- Light gray color for improved light reflection.

FlexBow™ and FlexBow™ Dual models

Loop diameter (mm)	Number of outlets
211	8
264	10
317	12
370	14
424	16

FlexBow™ and FlexBow™ Dual technical data

The total flow of the FlexBow™ assembly is defined by the hub dripper and remains constant. The flow at each outlet is equal to the hub dripper flow divided by the number of outlets.

It is recommended that the actual flow per outlet is not less than 0.5 l/h.

The table below presents a few examples of the minimum inlet pressures required at the hub dripper to ensure proper flow at each outlet.

Hub dripper nominal flow rate (l/h) vs. minimum inlet pressure (bar)

FlexBow™ and FlexBow™ Dual diameter (mm)	Number of outlets (units)	PC HCNL		PCJ™		PCJ™ HF Bubbler		Flow rate per outlet (l/h)
		Flow rate (l/h)	Pressure (bar)	Flow rate (l/h)	Pressure (bar)	Flow rate (l/h)	Pressure (bar)	
211	8			4.0	0.71			0.50
				8.0	0.72			1.00
		12.0	1.46	12.0	0.76			1.50
				15.0	0.80			1.80
264	10	6.0	1.41					0.60
		12.0	1.42	12.0	0.72			1.20
				15.0	0.76			1.50
						20.0	1.10	2.00
317	12			8.0	0.71			0.50
				15.0	0.72			1.00
						20.0	1.06	1.67
						25.0	1.10	2.08
370	14			8.0	0.71			0.57
				15.0	0.72			1.07
						20.0	1.06	1.43
						30.0	1.10	2.14
424	16			8.0	0.71			0.50
				15.0	0.72			0.94
						25.0	1.06	1.56
						30.0	1.10	1.88

FlexBow™ and FlexBow™ Dual package data (on carton box)

Model	Quantity p/box (units)	Box dimensions (cm x cm x cm)	Box weight* (kg)		Boxes per pallet (units)	Units per pallet
			FlexBow™	FlexBow™ Dual		
211	300	85.0 x 28.5 x 28.5	5.5	6.0	12	3600
264	300	85.0 x 28.5 x 28.5	8.7	9.2	12	3600
317	150	57.0 x 49.0 x 31.0	5.9	6.5	12	1800
370	150	57.0 x 49.0 x 31.0	6.8	7.3	12	1800
424	150	57.0 x 49.0 x 31.0	8.0	8.5	12	1800

*Values shown are average weights and may vary due to injection tolerances. Refer to the official Netafim™ disclaimers for details.



Catalog numbers

FlexBow™

Catalog number 77470 - (any of the below 6 digits)



Illustration	Model	Catalog number
	FlexBow™ 211 mm / 8.3" loop, light gray tube color, with installed connectors 8*3*8 mm barbed + press fit (male/female)	000600
	FlexBow™ 264 mm / 10.4" loop, light gray tube color, with installed connectors 8*3*8 mm barbed + press fit (male/female)	000605
	FlexBow™ 317 mm / 12.5" loop, light gray tube color, with installed connectors 8*3*8 mm barbed + press fit (male/female)	000606
	FlexBow™ 370 mm / 14.6" loop, light gray tube color, with installed connectors 8*3*8 mm barbed + press fit (male/female)	000607
	FlexBow™ 424 mm / 16.7" loop, light gray tube color, with installed connectors 8*3*8 mm barbed + press fit (male/female)	000608
	FlexBow™ 211 mm / 8.3" loop, light gray tube color, with installed connectors 8 mm*male press fit*8 mm +press fit (male/female)	000750
	FlexBow™ 264 mm / 10.4" loop, light gray tube color, with installed connectors 8 mm*male press fit*8 mm + press fit (male/female)	000755
	FlexBow™ 317 mm / 12.5" loop, light gray tube color, with installed connectors 8 mm*male press fit*8 mm +press fit (male/female)	000756
	FlexBow™ 370 mm / 14.6" loop, light gray tube color, with installed connectors 8 mm*male press fit*8 mm +press fit (male/female)	000757
	FlexBow™ 424 mm / 16.7" loop, light gray tube color, with installed connectors 8 mm*male press fit*8 mm +press fit (male/female)	000758

The catalog numbers listed in this table refer to a single unit.
Orders must be placed in full box quantities or in multiples thereof.
Each box contains 300 or 150 units, depending on the selected model.



FlexBow™ Dual

Catalog number 77470 - (any of the below 6 digits)

Illustration	Model	Catalog number
	FlexBow™ Dual 211 mm / 8.3" loop, light gray tube color, with installed connectors 2* (8*3*8 mm barbed) + press fit (male/female)	000017
	FlexBow™ Dual 264 mm / 10.4" loop, light gray tube color, with installed connectors 2* (8*3*8 mm barbed) + press fit (male/female)	000019
	FlexBow™ Dual 317 mm / 12.5" loop, light gray tube color, with installed connectors 2* (8*3*8 mm barbed) + press fit (male/female)	000021
	FlexBow™ Dual 370 mm / 14.6" loop, light gray tube color, with installed connectors 2* (8*3*8 mm barbed) + press fit (male/female)	000023
	FlexBow™ Dual 424 mm / 16.7" loop, light gray tube color, with installed connectors 2* (8*3*8 mm barbed) + press fit (male/female)	000025
	FlexBow™ Dual 211 mm / 8.3" loop, light gray tube color, with installed connectors 2* (8 mm*male press fit*8 mm) + press fit (male/female)	000016
	FlexBow™ Dual 264 mm / 10.4" loop, light gray tube color, with installed connectors 2* (8 mm*male press-fit*8 mm) + press fit (male/female)	000018
	FlexBow™ Dual 317 mm / 12.5" loop, light gray tube color, with installed connectors 2* (8 mm*male press-fit*8 mm) + press fit (male/female)	000020
	FlexBow™ Dual 370 mm / 14.6" loop, light gray tube color, with installed connectors 2* (8 mm*male press-fit*8 mm) + press fit (male/female)	000022
	FlexBow™ Dual 424 mm / 16.7" loop, light gray tube color, with installed connectors 2* (8 mm*male press-fit*8 mm) + press fit (male/female)	000024

The catalog numbers listed in this table refer to a single unit.
Orders must be placed in full box quantities or in multiples thereof.
Each box contains 300 or 150 units, depending on the selected model.

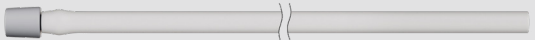
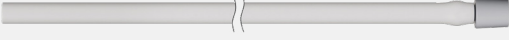
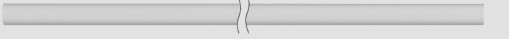
Related products

Illustration	Model	Catalog number
	Micro tube 3*5 mm (to connect the FlexBow™ to the hub dripper outlet)	
	SSPE, 200 meter coil, light gray	40005-000103
	SSPE, 500 meter coil, light gray	40005-000101
	SSPE, 1000 meter coil, light gray	40005-000104
	FlexBow™ barbed "T" connector 8*3*8, light gray	77470-000105
	FlexBow™ press fit "T" connector, 8*male*8, light gray	77470-000130
	8 mm barbed/ male press fit, light gray	77470-000650
	8 mm barbed/ female press fit, light gray	77470-000651
	Stake for fixing an 8 mm OD pipe	32500-002150

Netafim™ offers micro-tubes for connection between the hub dripper and the FlexBow™, available in different lengths and configurations, with or without pre-assembled connectors.

These SSPE (Super Soft PE) micro-tubes are available in gray or black, depending on application requirements.

Available connection configurations include:

Illustration	Model
	Press-fit (hub dripper) to press-fit (FlexBow™).
	Press-fit (hub dripper) to barbed (FlexBow™).
	Barbed (hub dripper) to press-fit (FlexBow™).
	Barbed (hub dripper) to barbed (FlexBow™).

Ordering information

How to use: Select one option from each category to define the most appropriate product configuration for your application.

Prefix	Inlet connector		Micro tube		Tube length		Outlet connector	
SR W/OD	Barb-female press-fit gray	PF-ST-ADP-G	Super soft PE gray	SSG-	25 cm	0.25M	Barb-female press-fit gray	ST-ADP-PF-G
	Without connector	W/OIC	Super soft PE black	SSB-	30 cm	0.30M	Without connector	W/OC
					40 cm	0.40M		
					50 cm	0.50M		

SR W/OD PF-ST-ADP-G SSG-0.25M W/OC

Catalog description example

Catalog description examples:

SR W/OD PF-ST-ADP-G SSG-0.30M W/OC40200-000005

SR W/OD PF-ST-ADP-G SSG-0.30M ST-ADP-PF-G40200-000164

Suitable connectors are available for field assembly of micro-tubes between the hub dripper and the FlexBow™.

Illustration	Description	Catalog number
	Female press-fit / barbed connectors compatible with 3 mm ID micro-tubes.	32000-001970

A range of dedicated installation tools is available in the Netafim™ accessories catalog.