

# Bioline™ AS

Integral pressure-compensated, continuously self-flushing, anti-siphon mechanism dripper, dripline colored purple for landscape applications using non-potable water



Pressure-compensated



Anti-Siphon mechanism



Self-flushing mechanism

## / Benefits & Features

- **Pressure-compensated** Precise and equal amounts of water delivered over a broad pressure range, ensuring 100% uniformity of water and nutrient distribution along the laterals.
- **Anti-Siphon mechanism** Prevents contaminants from being drawn into the dripper, making it ideal for sub surface applications.
- **Continuously self-flushing** Flushes debris, throughout operation, while ensuring constant dripper operation.
- **Wide filtration area** Makes Bioline™ highly resistant to clogging with poor quality water, thus increasing filtration efficiency.
- **Physical root barrier** Better protection against root intrusion without reliance on chemicals.
- **TurboNet™** Labyrinth ensures wide water passages, to increase flushing efficiency.
- **Purple color coded** For easy identification for warning against the use of non-potable water. It means that the water is being reused and is not fit to drink (non-potable).

## / Specifications

- ✓ Purple-colored dripline warns against the use of non-potable water.
- ✓ Broad choice of drippers flow rates: 1.0, 1.6, 2.3, 3.5 l/h.
- ✓ Dripper spacing's: 0.3, 0.4, 0.5, 1.0 m (other dripper spacing models available upon request).
- ✓ Pressure-compensated range: 0.5-4.0 bar.
- ✓ Anti-Siphon mechanism.
- ✓ Recommended filtration: 130 micron / 120 mesh.
- ✓ Coil length: 50, 100, 200, 400 m.

## → DRIPPERS TECHNICAL DATA

FLOW RATE* (L/H)	WORKING PRESSURE RANGE (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM)	FILTRATION AREA (MM <sup>2</sup> )	CONSTANT K	EXPONENT * X	RECOMMENDED FILTRATION (MICRON)/(MESH)
1.0	0.5 – 4.0	0.83 x 0.74 x 40	130	1.0	0	130/120
1.6	0.5 – 4.0	1.07 x 0.79 x 40	130	1.6	0	200/80
2.3	0.5 – 4.0	1.26 x 0.95 x 40	130	2.3	0	200/80
3.5	0.5 – 4.0	1.59 x 1.10 x 40	150	3.5	0	200/80

\*Within working pressure range

## → DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	KD
16010	14.20	1.00	16.20	3.5	1.3
16012	14.20	1.20	16.60	4.0	1.3
17012	14.60	1.20	17.00	4.0	1.1

## → DRIPLINES PACKAGE DATA (ON BUNDLED COIL)

MODEL	COIL LENGTH (M)	DISTANCE BETWEEN DRIPPERS (M)	AVERAGE* COIL WEIGHT (KG)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)
16010	50	0.20 to 1.00	2.4	1440	72000	720	36000
	100		4.6	960	96000	480	48000
	200		9.2	480	96000	240	48000
	400		23.0	352	140800	176	70400
16012	50	0.20 to 1.00	2.9	1440	72000	720	36000
	100		5.9	960	96000	480	48000
	200		11.7	480	96000	240	48000
	400		23.5	352	140800	176	70400
17012	50	0.20 to 1.00	3.2	1440	72000	720	36000
	100		6.5	960	96000	480	48000
	200		12.5	480	96000	240	48000
	400		24.9	352	140800	176	70400

\* Calculated weight average. For further details see "Average Coil Weight Disclaimer".