

# UNITECHLINE™ AS 16 MM

PRESSURE-COMPENSATING,  
CONTINUOUSLY SELF-CLEANING DRIPPER  
ANTI-SIPHON MECHANISM



## UNITECHLINE™ AS 16 MM

### PRESSURE-COMPENSATING, CONTINUOUSLY SELF-CLEANING DRIPPER ANTI-SIPHON MECHANISM

#### APPLICATIONS

- Sub-surface and on-surface installation
- Slopes
- High wind areas
- Areas subject to vandalism
- Planting areas
- Curved, narrow and unshaped planting areas
- Turf, shrubs, trees and flowers
- Rooftop gardens
- Green walls
- Sports turf, tennis courts and golf courses
- High traffic/high liability areas
- Raised planters

#### SPECIFICATIONS

- Broadest choice of dripper flow rates: 1.0, 1.6, 2.3 l/h
- Dripper spacings: 0.3, 0.4, 0.5, 1.00 m  
(Other dripper spacing available upon request)
- Pressure-compensating range: 0.5 - 4.0 bar
- Anti-Siphon mechanism
- Maximum system pressure: 4.0 bar
- Recommended filtration: 120 mesh
- Dripperline OD ( outside diameter) : 16.6 mm
- Dripperline ID ( inside diameter) : 14.2 mm
- Coil length: 25, 50, 100, 400 m

#### FEATURES & BENEFITS

##### Pressure compensating

- Precise and equal amounts of water are delivered over a broad pressure range
- 100 % uniformity of water and nutrients distribution along the laterals

##### Continuous self-flushing dripper design

- Flushes debris as it is detected, throughout operation, not just at the beginning or end of a cycle, ensuring uninterrupted dripper operation

##### Anti-Siphon mechanism

- Anti-Siphon mechanism prevents contaminants from being drawn into the dripper

##### Unique dripper design with

- Physical root barrier: better protection against root intrusion without reliance on chemicals
- Largest filter in each dripper
- Widest water passages within the dripper
- Unique TurboNet™ flow path

##### Dripper position within the dripperline

- The water is drawn in to the dripper from the stream center, preventing the entrance of sediments in to the drippers

##### Flexible tubing

- Adapts to any planting area shape

##### UV resistant

- Withstands heat and direct sun - for on-surface installations

##### Single hole dripper outlet from tubing

- Better protection against root intrusion



## UNITECHLINE™ AS 16 MM

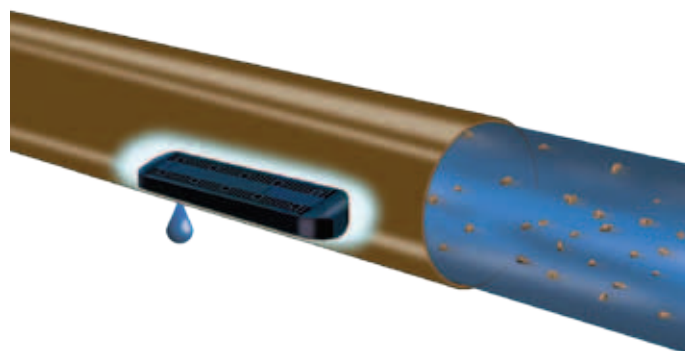
PRESSURE-COMPENSATING, CONTINUOUSLY SELF-CLEANING DRIPPER  
ANTI-SIPHON MECHANISM

### SUB- AND ON-SURFACE DRIPPERLINE FOR

- Slopes
- High wind
- Roof gardens
- Curved, narrow and unshaped areas

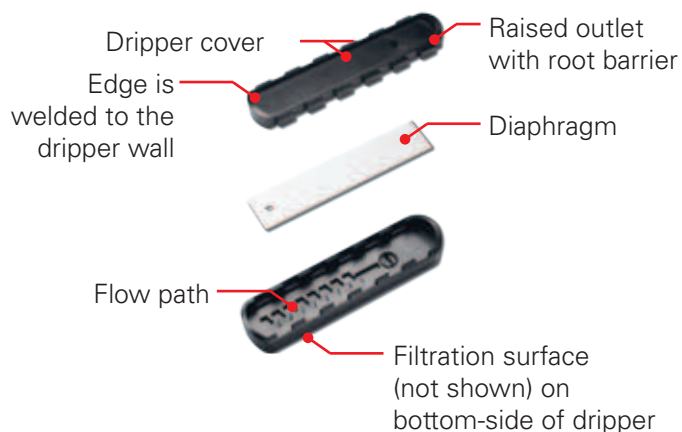
### ANTI-SIPHON MECHANISM

The anti-siphon mechanism blocks contaminants from being drawn in to the dripper from outside, making it the ideal dripperline for sub-surface installations



Water flows through the tubing and enters the dripper through the inlet filter. The filter blocks dirt and debris from entering, ensuring only clean water enters the dripperline.

### EXPLODED VIEW OF UNITECHLINE™ AS DRIPPER



## UNITECHLINE™ AS 16 MM

PRESSURE-COMPENSATING, CONTINUOUSLY SELF-CLEANING DRIPPER  
ANTI-SIPHON MECHANISM

### UniTechline™ AS 16012 • Drippers technical data

| FLOW RATE<br>L/H | WORKING PRESSURE<br>RANGE<br>(BAR) | WATER PASSAGE DIMENSIONS (MM) |       |        | FILTRATION AREA<br>(MM²) | CONSTANT<br>K | EXPONENT* |
|------------------|------------------------------------|-------------------------------|-------|--------|--------------------------|---------------|-----------|
|                  |                                    | WIDHT                         | DEPHT | LENGTH |                          |               |           |
| 1.0              | 0.5 – 4.0                          | 0.83                          | 0.74  | 40     | 130                      | 1.0           | 0         |
| 1.6              | 0.5 – 4.0                          | 1.26                          | 0.70  | 40     | 130                      | 1.6           | 0         |
| 2.3              | 0.5 – 4.0                          | 1.26                          | 1.00  | 40     | 130                      | 2.3           | 0         |

\*Within working pressure range.

### UniTechline™ AS 16012 • Flow liter/hour per 100 m

| DRIPER SPACING (M.) | DRIPPER FLOW RATE (L/H.) |       |       |
|---------------------|--------------------------|-------|-------|
|                     | 1.0                      | 1.6   | 2.3   |
| 0.3                 | 333.3                    | 533.3 | 766.7 |
| 0.4                 | 250.0                    | 400.0 | 575.0 |
| 0.5                 | 200.0                    | 320.0 | 460.0 |
| 1.0                 | 100.0                    | 160.0 | 230.0 |

### UniTechline™ AS 16012 • Max. lateral length • I.D. Ø 14.20 mm • Inlet pressure 3.0 bar

| FLOW RATE (L/H) | SPACING BETWEEN DRIPPERS (M) |     |     |     |
|-----------------|------------------------------|-----|-----|-----|
|                 | 0.3                          | 0.4 | 0.5 | 1.0 |
| 1.0             | 189                          | 243 | 294 | 515 |
| 1.6             | 139                          | 178 | 216 | 380 |
| 2.3             | 109                          | 141 | 171 | 301 |

Calculated on a plain area. Minimum pressure considered: 0.5 bar. For more information, please contact Netafim™ technical support.

### UniTechline™ AS 16012 • Dripperline technical data

| MODEL | INSIDE Ø<br>(MM) | WALL THICKNESS<br>(MM) | OUTSIDE Ø<br>(MM) | MAX. WORKING PRESSURE<br>(BAR) | KD  |
|-------|------------------|------------------------|-------------------|--------------------------------|-----|
| 16012 | 14.20            | 1.2                    | 16.60             | 4.0                            | 1.3 |



## UNITECHLINE™ AS 16 MM

PRESSURE-COMPENSATING, CONTINUOUSLY SELF-CLEANING DRIPPER  
ANTI-SIPHON MECHANISM

UniTechline™ AS 16012 • Ordering guide • Catalog number **14710** - (any of below 6 digits)

| FLOW RATE (L/H) | DISTANCE BETWEEN DRIPPERS (M) |        |        |        |      |        |        |        |        |        |        |        |      |        |        |        |
|-----------------|-------------------------------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|
|                 | 0.30                          | 0.30   | 0.30   | 0.30   | 0.40 | 0.40   | 0.40   | 0.40   | 0.50   | 0.50   | 0.50   | 0.50   | 1.00 | 1.00   | 1.00   | 1.00   |
| 1.0             |                               |        |        |        |      |        |        |        |        |        |        |        |      |        |        |        |
| 1.6             |                               | 003000 | 003100 | 003200 |      | 003600 | 003700 | 003800 |        | 003900 | 004000 | 004100 |      | 005300 | 005400 | 005500 |
| 2.3             | 005990                        | 006000 | 006100 | 006200 |      | 006600 | 006700 | 006800 | 006890 | 006900 | 007000 | 007100 |      | 008300 | 008400 | 008500 |
| COIL LENGTH (M) | 25                            | 50     | 100    | 400    | 25   | 50     | 100    | 400    | 25     | 50     | 100    | 400    | 25   | 50     | 100    | 400    |

\* Missing catalog numbers available upon request

UniTechline™ AS 16012 • Dripperline package data

| WALL THICKNESS (MM) | COIL LENGTH (M) | DISTANCE BETWEEN DRIPPERS (METER) | COIL WEIGHT (KG) | COILS IN A 40 FEET CONTAINER (UNITS) | TOTAL IN A 40 FEET CONTAINER (METERS) | COILS IN A 20 FEET CONTAINER (UNITS) | TOTAL IN A 20 FEET CONTAINER (METERS) |
|---------------------|-----------------|-----------------------------------|------------------|--------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|
| 1.2                 | 400             | 0.2-1.0                           | 21.2             | 352                                  | 140800                                | 176                                  | 70400                                 |
| 1.2                 | 100             | 0.2-1.0                           | 5.3              | 900                                  | 90000                                 | 450                                  | 45000                                 |
| 1.2                 | 50              | 0.2-1.0                           | 2.7              | 1440                                 | 72000                                 | 720                                  | 36000                                 |
| 1.2                 | 25              | 0.2-1.0                           | 1.4              | 1920                                 | 48000                                 | 960                                  | 24000                                 |




## 16 MM DRIPPERLINE CONNECTORS


### FEATURES & ADVANTAGES


- Barbed fittings ensure secure fit without glue or bands
- Maximum recommended usage pressure: 4.0 bar
- UV-resistant
- Easy to use


### APPLICATIONS


- Fits UniTechline™ AS 16 mm
- 16 mm fittings – black color


|                        |                       |              |   |
|------------------------|-----------------------|--------------|---|
| <b>DESCRIPTION</b>     | Coupling barb 16 x 16 |              |   |
| <b>CATALOG NUMBERS</b> | 1 unit                | 32500-010700 |  |
|                        | 50 units/bag          | 32500-010720 |   |
|                        | 100 units/bag         | 32500-010730 |   |


|                        |                    |              |   |
|------------------------|--------------------|--------------|---|
| <b>DESCRIPTION</b>     | Elbow barb 16 x 16 |              |   |
| <b>CATALOG NUMBERS</b> | 1 unit             | 32500-012500 |  |
|                        | 50 units/bag       | 32500-012520 |   |
|                        | 100 units/bag      | 32500-012530 |   |


|                        |                       |              |   |
|------------------------|-----------------------|--------------|---|
| <b>DESCRIPTION</b>     | "T" barb 16 x 16 x 16 |              |   |
| <b>CATALOG NUMBERS</b> | 1 unit                | 32500-011300 |  |
|                        | 50 units/bag          | 32500-011320 |   |
|                        | 100 units/bag         | 32500-011330 |   |


|                        |                    |              |   |
|------------------------|--------------------|--------------|---|
| <b>DESCRIPTION</b>     | "8" line end 16 mm |              |   |
| <b>CATALOG NUMBERS</b> | 1 unit             | 32500-013000 |  |
|                        | 50 units/bag       | 32500-013020 |   |
|                        | 100 units/bag      | 32500-013030 |   |


|                        |                                     |              |   |
|------------------------|-------------------------------------|--------------|---|
| <b>DESCRIPTION</b>     | Straight barb 16 threaded male 1/2" |              |   |
| <b>CATALOG NUMBERS</b> | 1 unit                              | 32500-010900 |  |
|                        | 50 units/bag                        | 32500-010920 |   |
|                        | 100 units/bag                       |              |   |


|                        |                                     |              |   |
|------------------------|-------------------------------------|--------------|---|
| <b>DESCRIPTION</b>     | Straight barb 16 threaded male 3/4" |              |   |
| <b>CATALOG NUMBERS</b> | 1 unit                              | 32500-011000 |  |
|                        | 50 units/bag                        | 32500-011020 |   |
|                        | 100 units/bag                       | 32500-011030 |   |


|                        |                                  |              |   |
|------------------------|----------------------------------|--------------|---|
| <b>DESCRIPTION</b>     | Elbow barb 16 threaded male 1/2" |              |   |
| <b>CATALOG NUMBERS</b> | 1 unit                           | 32500-012700 |  |
|                        | 50 units/bag                     | 32500-012720 |   |
|                        | 100 units/bag                    | 32500-012730 |   |

|                        |                                  |              |   |
|------------------------|----------------------------------|--------------|---|
| <b>DESCRIPTION</b>     | Elbow barb 16 threaded male 3/4" |              |   |
| <b>CATALOG NUMBERS</b> | 1 unit                           | 32500-012800 |  |
|                        | 50 units/bag                     | 32500-012820 |   |
|                        | 100 units/bag                    | 32500-012830 |   |

|                        |                                    |              |   |
|------------------------|------------------------------------|--------------|---|
| <b>DESCRIPTION</b>     | "Y" barb 16 x 2 threaded male 3/4" |              |   |
| <b>CATALOG NUMBERS</b> | 1 unit                             | 32500-011200 |  |
|                        | 50 units/bag                       | 32500-011220 |   |
|                        | 100 units/bag                      | 32500-011230 |   |


|                        |                                    |              |   |
|------------------------|------------------------------------|--------------|---|
| <b>DESCRIPTION</b>     | "T" barb 16 x 2 threaded male 3/4" |              |   |
| <b>CATALOG NUMBERS</b> | 1 unit                             | 32500-011800 |  |
|                        | 50 units/bag                       | 32500-011820 |   |
|                        | 100 units/bag                      |              |   |


|                        |                                      |              |   |
|------------------------|--------------------------------------|--------------|---|
| <b>DESCRIPTION</b>     | "T" barb 16 x 2 threaded female 3/4" |              |   |
| <b>CATALOG NUMBERS</b> | 1 unit                               | 32500-011700 |  |
|                        | 50 units/bag                         | 32500-011720 |   |
|                        | 100 units/bag                        |              |   |


|                        |                                       |              |   |
|------------------------|---------------------------------------|--------------|---|
| <b>DESCRIPTION</b>     | Barb 16 mm threaded loose female 3/4" |              |   |
| <b>CATALOG NUMBERS</b> | 1 unit                                | 32500-011100 |  |
|                        | 50 units/bag                          |              |   |
|                        | 100 units/bag                         |              |   |





## 16 MM. DRIPPERLINE FITTINGS , ACCESORIES AND TOOLS


|                        |                              |              |   |
|------------------------|------------------------------|--------------|---|
| <b>DESCRIPTION</b>     | DNL barb 16 adapter FTH 1/2" |              |  |
| <b>CATALOG NUMBERS</b> | 1 unit                       | 32500-013380 |   |
|                        | 50 units/bag                 | 32500-013390 |   |
|                        | 100 units/bag                |              |   |


|                        |   |              |   |
|------------------------|---|--------------|---|
| <b>DESCRIPTION</b>     | DNL – Dripperline non leakage 1/2" male threaded connector, shuts-off at 0.4 bar, black |              |  |
| <b>CATALOG NUMBERS</b> | 1 unit  | 32000-003560 |   |
|                        | 50 units/bag  |              |   |
|                        | 100 units/bag   |              |   |


|                        |                                 |              |   |
|------------------------|---------------------------------|--------------|---|
| <b>DESCRIPTION</b>     | Start connector for PE, barb 16 |              |  |
| <b>CATALOG NUMBERS</b> | 1 unit                          | 32500-013750 |   |
|                        | 50 units/bag                    | 32500-013760 |   |
|                        | 100 units/bag                   | 32500-013765 |   |


|                        |  |              |   |
|------------------------|--|--------------|---|
| <b>DESCRIPTION</b>     | 8 mm hole-puncher for start connectors |              |  |
| <b>CATALOG NUMBERS</b> | 1 unit                                 | 45000-001400 |   |
|                        | 50 units/bag                           |              |   |
|                        | 100 units/bag                          |              |   |


|                        |                                       |              |   |
|------------------------|---------------------------------------|--------------|---|
| <b>DESCRIPTION</b>     | Metal stabilizer, 4 mm (height 14 cm) |              |  |
| <b>CATALOG NUMBERS</b> | 1 unit                                | 32000-001600 |   |
|                        | 50 units/bag                          |              |   |
|                        | 100 units/bag                         |              |   |


|                        |   |              |   |
|------------------------|---|--------------|---|
| <b>DESCRIPTION</b>     | Plug  |              |  |
|                        | To plug outlet of integral dripper<br>Fit for : Unitechline™ AS |              |   |
| <b>CATALOG NUMBERS</b> | 100 units/bag   | 32000-011000 |   |
|                        | 1000 units/bag  | 32000-011050 |   |


|                        |   |              |   |
|------------------------|---|--------------|---|
| <b>DESCRIPTION</b>     | Ring adapter Outlet: barb 3*5, colored brown (flow up to 4l/h)    |              |  |
|                        | To connect outlet hole of an integral dripper to a 3*5 micro-tube |              |   |
| <b>CATALOG NUMBERS</b> | 1 unit  | 32000-006400 |   |
|                        | 50 units/bag  | 32000-006420 |   |
|                        | 100 units/bag   |              |   |


|                        |   |                |   |
|------------------------|---|----------------|---|
| <b>DESCRIPTION</b>     | DNL – Dripperline non leakage 1/2" male threaded connector, shuts-off at 0.2 bar, red |                |  |
| <b>CATALOG NUMBERS</b> | 1 unit  | 32000 - 003550 |   |
|                        | 50 units/bag  |                |   |
|                        | 100 units/bag   |                |   |

|                        |  |              |   |
|------------------------|--|--------------|---|
| <b>DESCRIPTION</b>     | DNL - Dripperline non leakage 1/2" male threaded connector , shuts-off at 0.6 bar, brown |              |  |
| <b>CATALOG NUMBERS</b> | 1 unit   | 32000-003570 |   |
|                        | 50 units/bag   |              |   |
|                        | 100 units/bag  |              |   |

|                        |                                       |               |   |
|------------------------|---------------------------------------|---------------|---|
| <b>DESCRIPTION</b>     | Start for PVC barb 16 w/seal, model P |               |  |
| <b>CATALOG NUMBERS</b> | 1 unit                                | 32500- 013770 |   |
|                        | 50 units/bag                          | 32500-013785  |   |
|                        | 100 units/bag                         |               |   |

|                        |   |              |   |
|------------------------|---|--------------|---|
| <b>DESCRIPTION</b>     | 8 mm thread in punch for start connectors |              |  |
| <b>CATALOG NUMBERS</b> | 1 unit                                    | 45000-003150 |   |
|                        | 50 units/bag                              |              |   |
|                        | 100 units/bag                             |              |   |

|                        |                           |              |   |
|------------------------|---------------------------|--------------|---|
| <b>DESCRIPTION</b>     | Stabilizer for 16 mm pipe |              |  |
| <b>CATALOG NUMBERS</b> | 1 unit                    | 32000-006500 |   |
|                        | 50 units/bag              | 32000-006510 |   |
|                        | 100 units/bag             | 32000-006520 |   |

|                        |   |              |   |
|------------------------|---|--------------|---|
| <b>DESCRIPTION</b>     | Adapter   |              |  |
|                        | To connect outlet hole of integral dripper to a Netafim™ manifold.<br>Fit for : Unitechline™ AS |              |   |
| <b>CATALOG NUMBERS</b> | 100 units/bag   | 32000-011200 |   |
|                        | 1000 units/bag  | 32000-011250 |   |

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