

# UNITECHLINE™ AS 16 MM

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



## UNITECHLINE™ AS 16 MM

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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

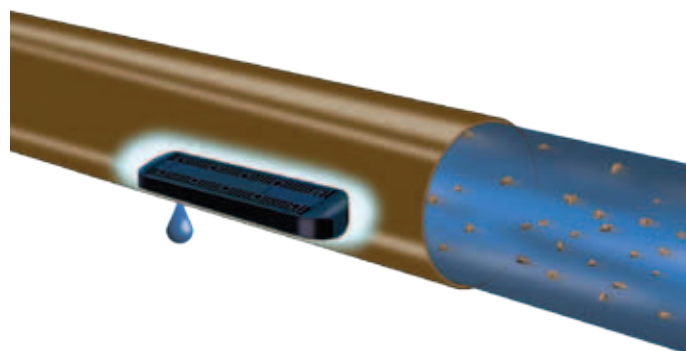
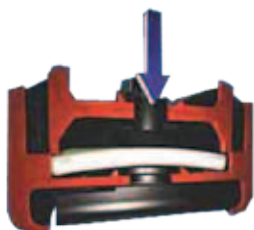
PRESSURE-COMPENSATING, CONTINUOUSLY SELF-CLEANING DRIPPER  
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### SUB- AND ON-SURFACE DRIPPERLINE FOR

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

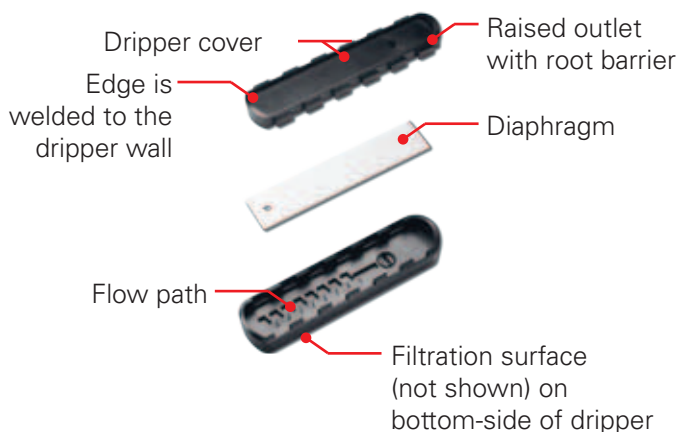
### ANTI-SIPHON MECHANISM

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

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### UniTechline™ AS 16012 • Drippers technical data

FLOW RATE L/H	WORKING PRESSURE RANGE (BAR)	WATER PASSAGE DIMENSIONS (MM)			FILTRATION AREA (MM²)	CONSTANT 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 (MM)	WALL THICKNESS (MM)	OUTSIDE Ø (MM)	MAX. WORKING PRESSURE (BAR)	KD
16012	14.20	1.2	16.60	4.0	1.3



## UNITECHLINE™ AS 16 MM

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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


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


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


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


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


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


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


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

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


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


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


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


DESCRIPTION	Barb 16 mm threaded loose female 3/4"		
CATALOG NUMBERS	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 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. Fit for : Unitechline™ AS		
<b>CATALOG NUMBERS</b>	100 units/bag	32000-011200	
	1000 units/bag	32000-011250	