

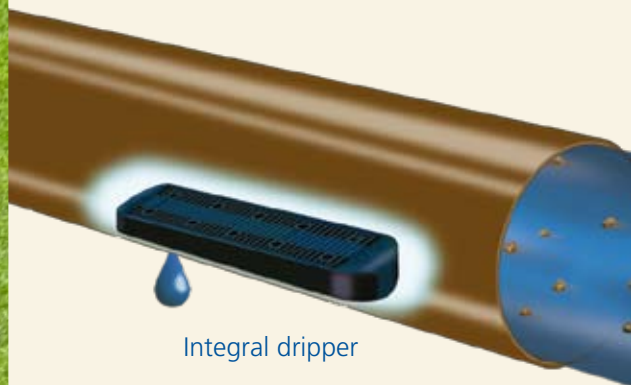
UniTechline™ AS 16 mm



Sub- and **On-**surface dripperline for

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

Anti-Siphon mechanism



Integral dripper



UniTechline™ AS 16 mm

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

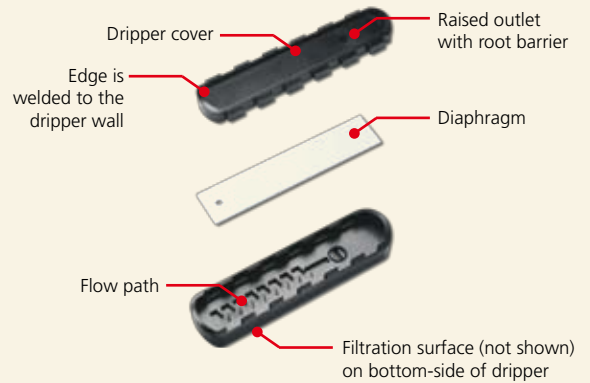
- Broadest choice of dripper flow rates: 1.0, 1.6, 2.3 l/h
- Dripper spacings: 0.3, 0.4, 0.5, 1.00 m
(Other dripper spacing available upon request)
- Pressure-compensating range: 0.5-4.0 bar
- Anti-Siphon mechanism
- Maximum system pressure: 4 bar
- Recommended filtration: 120 mesh
- Dripperline OD (outside diameter) mm: 16.1
- Dripperline ID (inside diameter) mm: 13.7
- Coil length: 25, 50, 100, 400 m

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



Exploded view of UniTechline AS dripper



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.



UniTechline™ AS 16 mm

Features & Benefits

Anti-Siphon mechanism

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

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

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
- Allows the dripperline to be used in subsurface applications without chemical protection



UniTechline™ AS 16 mm

Dripperline data

UniTechline™ AS 16012 Performance data • I.D. Ø 13.70 mm • Inlet pressure 3.0 bar

Flow rate (l/h)	Max. lateral length (m) spacing between drippers (m)			
	0.30	0.40	0.50	1.00
1.0	170	220	267	473
1.6	125	162	196	348
2.3	98	127	155	275

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

UniTechline™ AS 16012 Flow liter/hour per 100 m

Dripper spacing	Dripper flow rate		
	1.0 l/h	1.6 l/h	2.3 l/h
0.30 m	333.3	533.3	766.6
0.40 m	250.0	400.0	575.0
0.50 m	200.0	320.0	460.0
1.00 m	100.0	160.0	230.0

UniTechline™ AS 16012 Drippers technical data

Flow rate l/h	Working pressure range (bar)	Water passage dimensions (mm)			Filtration area (mm ²)	Constant K	Exponent* X
		Depth	width	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 Dripperline technical data

Model	Inside Ø (mm)	Wall thickness (mm)	Outside Ø (mm)	Max. working pressure (bar)	KD
16012	13.70	1.2	16.10	4.0	1.60



UniTechline™ AS 16 mm

Dripperline order/package

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

	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
Flow rate (l/h)	Coil length (m)				Coil length (m)				Coil length (m)				Coil length (m)			
	25	50	100	400	25	50	100	400	25	50	100	400	25	50	100	400
1.0																
1.6		003000	003100	003200		003600	003700	003800		003900	004000	004100		005300	005400	005500
2.3		006000	006100	006200		006600	006700	006800	006890	006900	007000	007100		008300	008400	008500

* Additional catalog numbers can be opened as required in each of the empty cells in the table.

UniTechline™ AS 16012 Dripperline packaging data

Wall thickness (mm)	Coil length (m)	Distance between drippers (mm)	Coil weight (kg)	Coils in 40 feet container (units)	Total length in 40 feet container (m)	Coils in 20 feet container (units)	Total length in 20 feet container (m)
1.2	400	0.2-1.0	22.5	352	140.800	176	70.400
1.2	100	0.2-1.0	5.6	900	90.000	450	45.000
1.2	50	0.2-1.0	2.8	1440	72.000	720	36.000
1.2	25	0.2-1.0	1.4	1920	48.000	960	24.000









16 mm Dripperline Fittings







Features & Advantages

- Barbed fittings ensure secure fit without glue or bands
- Maximum recommended usage pressure: 4 bar
- UV-resistant
- Easy to use

Applications


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


Description		Catalog nr.
Coupling barb 16 x 16 	1 unit	32500-010700
	50 units	32500-010720
	100 units	32500-010730
Elbow barb 16 x 16 	1 unit	32500-012500
	50 units	32500-012520
	100 units	32500-012530
"T" barb 16 x 16 x 16 	1 unit	32500-011300
	50 units	32500-011320
	100 units	32500-011330
"8" line end 16 mm 	1 unit	32500-013000
	50 units	32500-013020
	100 units	32500-013030
Straight barb 16 threaded male 1/2" 	1 unit	32500-010900
	50 units	32500-010920
	100 units	
Straight barb 16 threaded male 3/4" 	1 unit	32500-011000
	50 units	32500-011020
	100 units	32500-011030


Description		Catalog nr.
Elbow barb 16 threaded male 1/2" 	1 unit	32500-012700
	50 units	32500-012720
	100 units	32500-012730
Elbow barb 16 threaded male 3/4" 	1 unit	32500-012800
	50 units	32500-012820
	100 units	32500-012830
"Y" barb 16 x 2 threaded male 3/4" 	1 unit	32500-011200
	50 units	32500-011220
	100 units	32500-011230
"T" barb 16 x 2 threaded male 3/4" 	1 unit	32500-011800
	50 units	32500-011820
	100 units	
"T" barb 16 x 2 threaded female 3/4" 	1 unit	32500-011700
	50 units	32500-011720
	100 units	
Barb 16 mm threaded loose female 3/4" 	1 unit	32500-011100
	50 units	
	100 units	





16 mm Dripperline Fittings


Description	Catalog nr.
Start connector for PE, barb 16	
 1 unit	32500-013750
50 units	32500-013760
100 units	32500-013765


Start for PVC barb 16 w/seal, model P	
 1 unit	32500-013770
50 units	32500-013785
100 units	


Seal for start barb, model P	
 1 unit	32500-010450
50 units	32500-010455
100 units	32500-010460


Metal stabilizer, 4 mm (height 14 cm)	
 1 unit	32000-001600
50 units	
100 units	

Stabilizer for 16 mm pipe	
 1 unit	32000-006500
50 units	32000-006510
100 units	32000-006520

Description	Catalog nr.
DNL - Dripperline Non Leakage valve, male threaded 1/2", 6 m (0.6 bar) pressure shut-off	
 1 unit	32000-003570
50 units	
100 units	

1/2" female threaded adapter for barb 16	
 1 unit	32500-013380
50 units	
100 units	

8 mm hole-puncher for start connectors	
 1 unit	45000-001400

8 mm thread in punch for start connectors	
 1 unit	45000-003150

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