



UNIWINETM

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

APPLICATIONS

Sub-surface and on-surface installation

Drip irrigation technology comprises the following features:

- Solid set system: each vine has its own individual drippers always ready for operation.
- Low application rate: low discharge rate of each dripper enables controlled application of minute volumes of water.
- Limited wetted area: only the ground under the dripper is wetted so there is no interference with any other operations in the vineyard, such as cultivating, spraying, etc.
- Universal design: the equipment is suitable for any topography, field layout, soil types, and water quality, as well as row and plant spacing.
- Reliable and precise: controlled delivery of water and, if necessary, soluble nutrients, either separately or as a mix.

Flexible installation:

- Attached to the trellising
- On-surface application
- Sub-surface application

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, a unique and essential feature for sub-surface applications, prevents contaminants from being drawn into the dripper.

Unique dripper design with

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

Assembled clip for trellising

- Optional, dripperline with a special clip in factory assembled , reduce cost and labor time.

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.

UV resistant

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



UNIWINETM

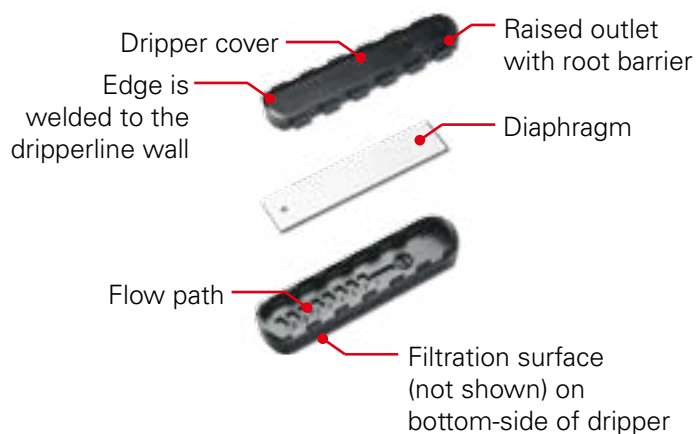
PRESSURE-COMPENSATING, CONTINUOUSLY SELF-CLEANING DRIPPER
ANTI-SIPHON MECHANISM

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 UNIWINETM 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.

In factory assembled clips, reduce labor time.





UNIWINE™

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

UNIWINE™ DRIPPERS TECHNICAL DATA

FLOW RATE (L/H.)	WORKING PRESSURE RANGE (BAR)	WATER PASSAGES DIMENSIONS (MM X MM X MM)	FILTRATION AREA (MM²)	CONSTANT K	EXPONENT* X
0.7	0.5 – 4.0	0.70 x 0.65 x 40	98	0.7	0
1.0	0.5 – 4.0	0.83 x 0.74 x 40	130	1.0	0
1.6	0.5 – 4.0	1.26 x 0.70 x 40	130	1.6	0
2.3	0.5 – 4.0	1.26 x 0.95 x 40	130	2.3	0
3.5	0.5 – 4.0	1.59 x 1.15 x 40	150	3.5	0

*Whit in the working pressure range

UNIWINE™ DRIPPERLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM.)	WALL THICKNESS (MM.)	OUTSIDE DIAMETER (MM.)	MAXIMUM WORKING PRESSURE (BAR)	KD	MAXIMUM FLUSHING PRESSURE (BAR)
16010	14.20	1.0	16.20	3.5	1.3	4.6
16012	14.20	1.2	16.60	4.0	1.3	5.2
17012	14.60	1.2	17.00	4.0	1.1	5.2
20012	17.50	1.2	19.90	4.0	0.4	5.2



UNIWINETM

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

MAXIMUM LATERAL LENGTH

UNIWINETM 16010 and 16012 • I.D. Ø 14.20 mm • Inlet pressure 3.0 bar

FLOW RATE (L/H)	DISTANCE BETWEEN DRIPPERS (M)						
	0.4	0.5	0.6	0.7	0.8	0.9	1.0
0.7 l/h.	306	371	431	489	545	598	649
1.0 l/h.	243	294	342	388	432	474	515
1.6 l/h.	178	216	252	286	318	350	380
2.3 l/h.	141	171	199	226	252	276	301
3.5 l/h.	107	130	151	172	192	211	229

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

UNIWINETM 17012 • I.D. Ø 14.60 mm • Inlet pressure 3.0 bar

FLOW RATE (L/H)	DISTANCE BETWEEN DRIPPERS (M)						
	0.4	0.5	0.6	0.7	0.8	0.9	1.0
0.7 l/h.	330	399	463	524	582	638	692
1.0 l/h.	262	316	367	416	462	507	550
1.6 l/h.	192	233	270	307	341	374	406
2.3 l/h.	152	184	214	242	270	295	321
3.5 l/h.	115	140	163	184	205	225	245

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

UNIWINETM 20012 • I.D. Ø 17.50 mm • Inlet pressure 3.0 bar

FLOW RATE (L/H)	DISTANCE BETWEEN DRIPPERS (M)						
	0.4	0.5	0.6	0.7	0.8	0.9	1.0
0.7 l/h.	514	611	701	786	866	943	1017
1.0 l/h.	408	485	557	624	689	750	809
1.6 l/h.	301	358	411	461	509	554	598
2.3 l/h.	238	283	325	365	402	439	473
3.5 l/h.	181	216	248	279	307	335	361

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



UNIWINET™

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

ORDERING GUIDE

UNIWINET™ AS 16010 • Catalog number **14740** - (any of below 6 digits)

FLOW RATE (L/H)	DISTANCE BETWEEN DRIPPERS (M)							
	0.40	0.50	0.60	0.70	0.75	0.80	0.90	1.00
0.7								
1.0								001420
1.6				001850				002220
2.3			002820					003350
3.5								
BUNDLED COIL LENGTH (M)	500	500	500	500	500	500	500	500

* Missing catalog numbers available upon request

UNIWINET™ AS 16010 + assembled clip • Catalog number **14740** - (any of below 6 digits)

FLOW RATE (L/H)	DISTANCE BETWEEN DRIPPERS (M)							
	0.40	0.50	0.60	0.70	0.75	0.80	0.90	1.00
0.7								
1.0	001100	001150	001200		001250			001400
1.6	001590	001640	001800	001870	001900	002000	002100	002200
2.3	002600	002700	002800		002900	003000	003100	003300
3.5	004000	004200	004400		004600			004900
BUNDLED COIL LENGTH (M)	300	300	300	300	300	300	300	300

* Missing catalog numbers available upon request

UNIWINET™ AS 16012 • Catalog number **14715** - (any of below 6 digits)

FLOW RATE (L/H)	DISTANCE BETWEEN DRIPPERS (M)							
	0.40	0.50	0.60	0.70	0.75	0.80	0.90	1.00
0.7								
1.0								
1.6								
2.3			003810					
3.5								
BUNDLED COIL LENGTH (M)	300	300	300	300	300	300	300	300

* Missing catalog numbers available upon request



UNIWINET™

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

ORDERING GUIDE

UNIWINET™ AS 16012 + assembled clip • Catalog number **14715** - (any of below 6 digits)

FLOW RATE (L/H)	DISTANCE BETWEEN DRIPPERS (M)							
	0.40	0.50	0.60	0.70	0.75	0.80	0.90	1.00
0.7								
1.0								
1.6		001500						
2.3	003200	003500	003800	003900	003950	004000	004100	
3.5								
BUNDLED COIL LENGTH (M)	300	300	300	300	300	300	300	300

* Missing catalog numbers available upon request

UNIWINET™ AS 17012 • Catalog number **14820** - (any of below 6 digits)

FLOW RATE (L/H)	DISTANCE BETWEEN DRIPPERS (M)							
	0.40	0.50	0.60	0.70	0.75	0.80	0.90	1.00
0.7								
1.0								
1.6			001650					
2.3	002600	002700			003600			
3.5								
BUNDLED COIL LENGTH (M)	400	400	400	400	400	400	400	400

* Missing catalog numbers available upon request

UNIWINET™ AS 17012 + assembled clip • Catalog number **14820** - (any of below 6 digits)

FLOW RATE (L/H)	DISTANCE BETWEEN DRIPPERS (M)							
	0.40	0.50	0.60	0.70	0.75	0.80	0.90	1.00
0.7								
1.0								
1.6		001500	001600					
2.3	003000	003050	003100		003500		003900	
3.5								
BUNDLED COIL LENGTH (M)	300	300	300	300	300	300	300	300

* Missing catalog numbers available upon request



UNIWINET™

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

ORDERING GUIDE

UNIWINET™ AS 20012 • Catalog number **14980** - (any of below 6 digits)

FLOW RATE (L/H)	DISTANCE BETWEEN DRIPPERS (M)							
	0.40	0.50	0.60	0.70	0.75	0.80	0.90	1.00
0.7								
1.0								002020
1.6								002920
2.3			003505					004010
3.5								
BUNDLED COIL LENGTH (M)	300	300	300	300	300	300	300	300

* Missing catalog numbers available upon request

UNIWINET™ AS 20012 + assembled clip • Catalog number **14980** - (any of below 6 digits)

FLOW RATE (L/H)	DISTANCE BETWEEN DRIPPERS (M)							
	0.40	0.50	0.60	0.70	0.75	0.80	0.90	1.00
0.7								
1.0								
1.6			002460					
2.3	003300	003400	003500		003700	003800		004000
3.5								
BUNDLED COIL LENGTH (M)	300	300	300	300	300	300	300	300

* Missing catalog numbers available upon request