Leach Line™ A

Non-pressure-compensating integral dripper with advanced clogging resistance, designed for heap leaching applications in mining environments.

Benefits & Features

Superior clogging resistance

The TurbuNext™ labyrinth features:

- Deep, wide and large cross-section flow passages
- Enhanced internal turbulence for improved self-cleaning performance
- Reduced sensitivity to sediment accumulation
- Continuous internal flushing action

This advanced hydraulic design improves resistance to clogging and ensures stable flow performance under demanding operating conditions.

A large filtration area prevents suspended particles from entering the dripper, maintaining dependable performance across a wide range of solution quality levels.

Long-lasting performance under harsh solution conditions

Engineered to operate reliably with challenging solution quality, including high levels of suspended solids and chemical exposure.

The TurbuNext™ labyrinth is engineered to increase internal turbulence, minimizing sediment deposition and improving resistance to clogging within the dripper.

Hydraulic performance adaptability

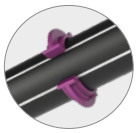
Flow rate varies with pressure, following a pressure-dependent flow regime, enabling flexible hydraulic design tailored to specific heap conditions.

A low flow exponent (X) improves distribution uniformity along the dripline and allows longer run lengths under comparable operating pressures, contributing to more consistent solution application and improved metal recovery.

Anti-migration clip (optional)

Prevents downslope solution migration in sloped or uneven heap geometries, maintaining uniform distribution.

Pre-installed during manufacturing, reducing field labor and installation time.



Applications

Acid & Alkaline Solutions

Acid & Alkaline Solutions

Evaporation Systems

- Heap leaching of copper, gold, silver and other metals.
- Installation on top of heap leach pads, either on-surface or sub-surface.
  Suitable for side slope applications when used in combination with dedicated accessories, ensuring uniform solution distribution.
- Applicable for primary and secondary leaching cycles. Designed for large-scale heaps with long dripline runs and variable topography.

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Specifications

- Operating pressure range: Defined according to dripline diameter and wall thickness (refer to tables).
- Flow regime: Non-pressure-compensating (pressure-dependent flow).
- Filtration recommendation: A filtration grade of 200 micron / 80 mesh is recommended to ensure long-term operational reliability, maintain optimal hydraulic performance and achieve high solution distribution uniformity.
  Netafim™ provides a comprehensive range of non-corrosive filtration systems engineered for mining environments, suitable for installation at the mainline or sub-block level across the heap.
- Labyrinth technology: TurbuNext™ labyrinth designed for enhanced turbulence and improved clogging resistance.
- Manufacturing integration: Weldable into thick-wall driplines; 0.90, 1.00, 1.20 mm.
- Hydraulic uniformity: Injection-molded dripper with low coefficient of variation (CV), ensuring reliable distribution uniformity under field conditions.
- Durability: High UV resistance. Resistant to chemicals typically used in heap leaching operations.
- Standards compliance: Compliant with ISO 9261.
- Driplines are black with two white stripes.

Drippers technical data

Flow rate* 1.2 WT (l/h)	Water passages dimensions width-depth-length (mm x mm x mm)	Filtration area (mm^2)	Constant K	Exponent X	Recommended filtration (micron)/(mesh)
1.05	0.60 x 0.74 x 65	49	0.364	0.46	200/80
1.60	0.71 x 0.85 x 65	53	0.554	0.46	200/80
2.10	0.76 x 1.03 x 65	54	0.728	0.46	200/80
3.15	0.90 x 1.20 x 65	54	1.092	0.46	200/80
4.20	0.94 x 1.28 x 33	54	1.455	0.46	200/80
8.40	1.52 x 1.28 x 28	50	2.912	0.46	200/80

*Flow rate at 1.0 bar pressure WT = dripline wall thickness

Flow rate* 0.9-1.0 WT (l/h)	Water passages dimensions width-depth-length (mm x mm x mm)	Filtration area (mm^2)	Constant K	Exponent X	Recommended filtration (micron)/(mesh)
1.00	0.60 x 0.74 x 65	49	0.348	0.46	200/80
1.50	0.71 x 0.85 x 65	53	0.520	0.46	200/80
2.00	0.76 x 1.03 x 65	54	0.693	0.46	200/80
3.00	0.90 x 1.20 x 65	54	1.040	0.46	200/80
4.00	0.94 x 1.28 x 33	54	1.387	0.46	200/80
8.00	1.52 x 1.28 x 28	50	2.773	0.46	200/80

*Flow rate at 1.0 bar pressure WT = dripline wall thickness

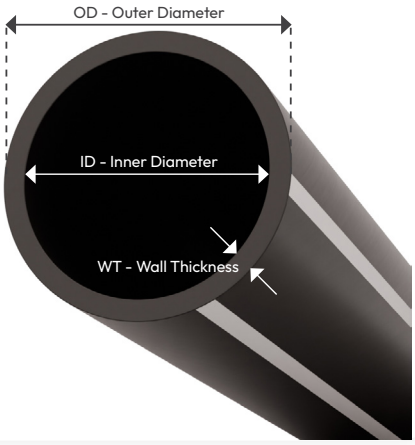
Both the K constant and the X exponent are fundamental hydraulic parameters used to calculate the actual flow rate of each dripper at a given operating pressure as detailed in the following pages.

Driplines technical data

Model	Inner diameter (mm)	Wall thickness (mm)	Outer diameter (mm)	Max. working pressure (bar)	Max. flushing pressure (bar)	Kd
16009	14.20	0.9	16.00	3.0	3.9	0.40
16010	14.20	1.0	16.20	3.5	4.6	0.40
16012	14.20	1.2	16.60	4.0	5.2	0.40
20010	17.50	1.0	19.50	3.5	4.6	0.10
20012	17.50	1.2	19.90	4.0	5.2	0.10

Kd: An integral dripper installed inside the dripline creates a localized disturbance in the water flow, generating minor head losses (Kd) as its shape and volume partially obstruct the internal flow path. The lower the Kd value for a given inner diameter, the longer the driplines can be designed under similar operating conditions.

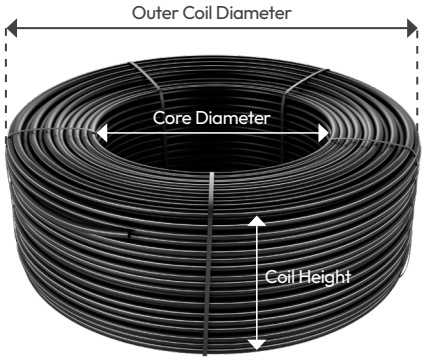
Max. flushing pressure: The maximum permissible flushing pressures shown in the table apply to continuous flushing cycles of up to 30 minutes, with the ends of at least five driplines opened for flushing.



Driplines package data (on bundled coil)

Model	Wall thickness (mm)	Distance between drippers (m)	Coil length (m)	Average* coil weight (kg)	Outer coil diameter (cm)	Core coil diameter (cm)	Coil height (cm)
16009	0.9	0.15 to 1.00	500	20.7	84	41	27
16010	1.0	0.15 to 1.00	500	23.0	84	41	27
16012	1.2	0.15 to 1.00	400	22.3	78	41	28
20010	1.0	0.15 to 1.00	300	16.7	84	50	27
20012	1.2	0.15 to 1.00	300	20.2	84	50	27

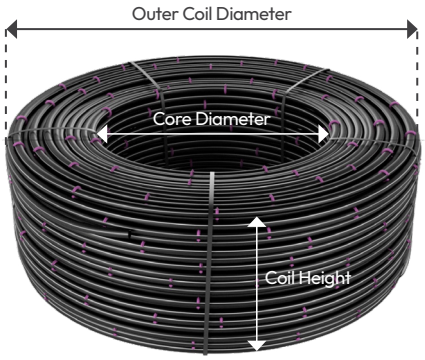
*Values shown are average weights and may vary due to dripper spacing and extrusion tolerances. Refer to the official Netafim™ disclaimers for details.



Driplines package data (on bundled coil) with assembled anti-migration clips

Model	Wall thickness (mm)	Distance between drippers (m)	Coil length (m)	Average* coil weight (kg)	Outer coil diameter (cm)	Core coil diameter (cm)	Coil height (cm)
16009	0.9	0.15 to 1.00	300	13.0	84	45	27
16010	1.0	0.15 to 1.00		15.0			
16012	1.2	0.15 to 1.00		17.9			
20010	1.0	0.15 to 1.00		18.0			
20012	1.2	0.15 to 1.00		21.5			

*Values shown are average weights and may vary due to dripper spacing and extrusion tolerances. Refer to the official Netafim™ disclaimers for details.



Driplines package data (on bundled coil) within container

Model	Coil length (m)	Coils in a 40 foot container (units)	Total in a 40 foot container (m)
16009	500	330	165000
16010	500	330	165000
16012	400	352	140800
20010	300	330	99000
20012	300	330	99000

Driplines package data (on bundled coil) with assembled anti-migration clips

Model	Coil length (m)	Coils in a 40 foot container (units)	Total in a 40 foot container (m)
16009	300	330	99000
16010			
16012			
20010			
20012			

A standard 40-foot container has internal dimensions of 12.0 m (L) × 2.35 m (W) × 2.39 m (H).
In certain cases, a 40-foot High Cube container may be used, providing an increased internal height of 2.69 m, allowing improved volume utilization depending on product configuration.

Catalog numbers

Because of the wide range of available configurations (different flow rates, emitter spacings, coil lengths and additional specifications), the final catalog number must be confirmed with your local Netafim™ representative after completing the product definition.

Complete the product specification using the options provided in the following flow chart.
How to use: Select one option from each category in the chart to define the most appropriate product configuration for your application.

Product name	
Leach Line™ A	LEACH LINE A

Commercial diameter (mm)	
16	16
20	20

Wall thickness (mm)	
0.9	009
1.0	010
1.2	012

Flow rate (l/h) 1.2 mm WT	
1.05	1.05L/H
1.60	1.60L/H
2.10	2.10L/H
3.15	3.15L/H
4.20	4.20L/H
8.40	8.40L/H

Flow rate (l/h) 0.9-1.0 mm WT	
1.00	1.00L/H
1.50	1.50L/H
2.00	2.00L/H
3.00	3.00L/H
4.00	4.00L/H
8.00	8.00L/H

Distance between drippers (m)	
0.2	0.20M
0.3	0.30M
0.4	0.40M
0.5	0.50M
0.6	0.60M
0.7	0.70M

*Other distances between drippers can be ordered.

Coil length (m)	
Model 16009	500M
Model 16010	500M
Model 16012	400M
Model 20010	300M
Model 20012	300M

Coil length with assembled clips (m)	
All models	300M

Special features	
No added	-
Clip	CL
Other	XXX

*Other features available upon request. Consult your local Netafim™ distributor.

LEACH LINE A 16012 1.60L/H 0.30M 300M CL

Catalog description example

A Netafim™ catalog number consists of two components:
a) The first five digits, identifying the material group.
b) The following six digits, identifying the specific product within that group.

Material group numbers associated with the products featured in this product sheet include:

Dripline	Material group (MG)
Leach Line™ A 16009	12315
Leach Line™ A 16010	12308
Leach Line™ A 16012	12290

Brown dripline	Material group (MG)
Leach Line™ A 20010	*
Leach Line™ A 20012	*

*Will be activated upon request

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Drippers flow rate vs working pressure

To determine the actual flow rate of a dripper under different operating pressures, the following equation is applied:
$Q = K \times P^X$

Where:

Q = Dripper flow rate (liters per hour)

K = Dripper-specific flow constant (manufacturer-defined)

P = Actual working pressure (meters of water column)

X = Dripper-specific exponent (manufacturer-defined)

In accordance with ISO 9261, manufacturers must declare both the K constant and the X exponent for each dripper model.

Non-pressure-compensated drippers deliver a flow rate that varies with operating pressure, following the relationship defined by the formula presented above.

To provide a general understanding of how flow rate responds to changes in operating pressure, tables are provided showing the dripper flow rate at different working pressures for each model in this document.

Leach Line™ A flow (l/h) vs pressure (bar)

Dripper	Flow rate* (l/h)	Working pressure (bar)									
		0.40	0.60	0.80	1.00	1.50	2.00	2.50	3.00	3.50	4.00
Leach Line™ A 1.2 mm WT	1.05	0.69	0.83	0.95	1.05	1.27	1.44	1.60	1.74	1.87	1.99
	1.60	1.05	1.26	1.44	1.60	1.93	2.20	2.44	2.65	2.84	3.02
	2.10	1.38	1.66	1.89	2.10	2.53	2.89	3.20	3.48	3.74	3.97
	3.15	2.07	2.49	2.84	3.15	3.80	4.33	4.80	5.22	5.60	5.96
	4.20	2.75	3.32	3.79	4.20	5.06	5.77	6.40	6.96	7.47	7.94
	8.40	5.51	6.64	7.58	8.40	10.12	11.55	12.80	13.92	14.94	15.89

* Nominal flow rate at 1.0 bar.

Dripper	Flow rate* (l/h)	Working pressure (bar)									
		0.20	0.40	0.60	0.80	1.00	1.50	2.00	2.50	3.00	3.50
Leach Line™ A 0.9-1.0 mm WT	1.00	0.48	0.66	0.79	0.90	1.00	1.21	1.38	1.53	1.66	1.78
	1.50	0.72	0.98	1.19	1.35	1.50	1.81	2.06	2.29	2.49	2.67
	2.00	0.95	1.31	1.58	1.80	2.00	2.41	2.75	3.05	3.31	3.56
	3.00	1.43	1.97	2.37	2.71	3.00	3.61	4.13	4.57	4.97	5.34
	4.00	1.91	2.62	3.16	3.61	4.00	4.82	5.50	6.10	6.63	7.12
	8.00	3.81	5.25	6.32	7.22	8.00	9.64	11.00	12.19	13.26	14.23

* Nominal flow rate at 1.0 bar.

Maximum driplines length

To determine the maximum feasible run length for a given dripline, considering all hydraulic factors that influence flow within the dripline, Netafim™ uses proprietary design software based on the Darcy–Weisbach equations, supported by decades of engineering expertise and long-standing collaboration with leading academic institutions.

The precise maximum run length for any installation must be calculated using this dedicated design software, which evaluates all relevant hydraulic parameters across the system.

Minor differences may occur between design tools available on the market, due to variations in calculation methodologies and underlying design assumptions.

To calculate the maximum feasible dripline length, taking into account the required variables, such as flow rate and emitter spacing, pipe inner diameter, field slope, inlet pressure and other parameters, Netafim™ HydroCalc design software can be used.

HydroCalc 3.0 by NETAFIM

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The following tables present the maximum dripline lengths that can be used in driplines to achieve optimal performance.

The values provided here are intended to offer a preliminary reference. The actual maximum dripline length must be calculated by a hydraulic engineer responsible for designing the complete system, in order to account for additional constraints and site-specific limitations.

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 16009/16010 • ID 14.2 mm • Kd 0.40 • Flow rate 1.00 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	**0.20**	**0.30**	**0.40**	**0.50**	**0.60**	**0.70**	**0.80**	**0.90**	**1.00**
	2%	65	83	97	107	115	122	127	131	135
Uphill	1%	71	95	114	131	145	158	170	179	188
Flat terrain	0	78	108	134	159	181	203	222	241	260
Downhill	-1%	83	118	151	183	212	242	270	299	326
	-2%	89	130	169	208	247	285	324	362	401

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 16009/16010 • ID 14.2 mm • Kd 0.40 • Flow rate 1.50 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	**0.20**	**0.30**	**0.40**	**0.50**	**0.60**	**0.70**	**0.80**	**0.90**	**1.00**
	2%	52	68	80	91	99	106	112	117	121
Uphill	1%	56	75	92	106	118	130	139	149	157
Flat terrain	0	60	83	104	123	140	156	171	186	201
Downhill	-1%	63	89	113	136	158	179	200	220	240
	-2%	66	96	124	151	178	204	230	257	282

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 16009/16010 • ID 14.2 mm • Kd 0.40 • Flow rate 2.00 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	**0.20**	**0.30**	**0.40**	**0.50**	**0.60**	**0.70**	**0.80**	**0.90**	**1.00**
	2%	44	59	70	80	88	95	101	106	110
Uphill	1%	47	64	78	90	101	111	121	130	136
Flat terrain	0	50	69	86	102	116	130	143	155	167
Downhill	-1%	52	73	93	111	128	146	162	178	194
	-2%	54	78	100	122	142	163	183	203	223

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 16009/16010 • ID 14.2 mm • Kd 0.40 • Flow rate 3.00 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	**0.20**	**0.30**	**0.40**	**0.50**	**0.60**	**0.70**	**0.80**	**0.90**	**1.00**
	2%	35	47	56	65	72	78	85	90	94
Uphill	1%	37	50	61	72	81	89	97	104	111
Flat terrain	0	38	53	66	79	90	100	110	121	129
Downhill	-1%	39	56	70	84	97	109	122	133	144
	-2%	41	58	74	90	105	119	134	148	161

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 16009/16010 • ID 14.2 mm • Kd 0.40 • Flow rate 4.00 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	**0.20**	**0.30**	**0.40**	**0.50**	**0.60**	**0.70**	**0.80**	**0.90**	**1.00**
	2%	30	40	48	56	63	69	74	78	83
Uphill	1%	31	42	52	61	68	76	82	88	94
Flat terrain	0	32	44	55	66	75	84	91	100	107
Downhill	-1%	32	46	58	69	79	90	99	109	118
	-2%	33	47	60	73	85	97	108	119	129

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 16009/16010 • ID 14.2 mm • Kd 0.40 • Flow rate 8.00 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	**0.20**	**0.30**	**0.40**	**0.50**	**0.60**	**0.70**	**0.80**	**0.90**	**1.00**
	2%	19	26	33	38	43	48	52	56	59
Uphill	1%	20	27	34	40	46	51	55	60	64
Flat terrain	0	20	28	36	42	48	54	59	65	70
Downhill	-1%	21	29	36	43	50	56	62	68	73
	-2%	21	29	38	45	52	59	66	72	78

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 16012 • ID 14.2 mm • Kd 0.40 • Flow rate 1.05 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	**0.20**	**0.30**	**0.40**	**0.50**	**0.60**	**0.70**	**0.80**	**0.90**	**1.00**
	2%	63	81	94	105	113	120	126	130	134
Uphill	1%	69	93	112	128	142	155	166	176	185
Flat terrain	0	76	105	130	154	176	196	215	234	252
Downhill	-1%	81	114	146	176	205	233	261	288	314
	-2%	86	125	163	201	237	274	310	347	384

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 16012 • ID 14.2 mm • Kd 0.40 • Flow rate 1.60 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	**0.20**	**0.30**	**0.40**	**0.50**	**0.60**	**0.70**	**0.80**	**0.90**	**1.00**
	2%	50	66	78	89	97	103	110	114	119
Uphill	1%	54	73	88	103	114	125	135	144	153
Flat terrain	0	58	80	100	118	134	150	165	179	193
Downhill	-1%	60	85	108	130	151	171	190	210	228
	-2%	64	92	118	144	169	194	219	243	268

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 16012 • ID 14.2 mm • Kd 0.40 • Flow rate 2.10 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	**0.20**	**0.30**	**0.40**	**0.50**	**0.60**	**0.70**	**0.80**	**0.90**	**1.00**
	2%	43	57	68	78	86	92	99	104	108
Uphill	1%	46	62	76	88	99	109	118	125	133
Flat terrain	0	48	67	84	99	113	126	138	150	162
Downhill	-1%	50	71	90	108	124	141	156	172	187
	-2%	52	75	96	117	137	157	176	195	214

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 16012 • ID 14.2 mm • Kd 0.40 • Flow rate 3.15 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	**0.20**	**0.30**	**0.40**	**0.50**	**0.60**	**0.70**	**0.80**	**0.90**	**1.00**
	2%	34	46	55	64	71	77	82	88	93
Uphill	1%	36	48	60	70	79	87	94	102	108
Flat terrain	0	37	51	64	76	87	97	107	117	126
Downhill	-1%	38	54	68	81	94	106	118	129	139
	-2%	39	56	72	87	101	115	129	142	155

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 16012 • ID 14.2 mm • Kd 0.40 • Flow rate 4.20 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	**0.20**	**0.30**	**0.40**	**0.50**	**0.60**	**0.70**	**0.80**	**0.90**	**1.00**
	2%	29	39	47	55	61	67	72	77	81
Uphill	1%	30	41	50	59	67	74	80	86	92
Flat terrain	0	31	43	54	64	73	81	89	96	104
Downhill	-1%	31	44	56	67	77	87	96	105	114
	-2%	32	46	58	71	82	93	104	114	125

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 16012 • ID 14.2 mm • Kd 0.40 • Flow rate 8.40 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	**0.20**	**0.30**	**0.40**	**0.50**	**0.60**	**0.70**	**0.80**	**0.90**	**1.00**
	2%	19	26	32	37	42	46	50	54	58
Uphill	1%	19	27	33	39	44	49	54	59	63
Flat terrain	0	20	27	34	41	47	53	58	63	68
Downhill	-1%	20	28	35	42	48	54	60	66	71
	-2%	20	29	36	44	50	57	63	69	75

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 20010 • ID 17.5 mm • Kd 0.10 • Flow rate 1.00 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	**0.20**	**0.30**	**0.40**	**0.50**	**0.60**	**0.70**	**0.80**	**0.90**	**1.00**
Uphill	2%	93	111	123	132	137	141	146	148	150
	1%	110	139	161	180	195	207	219	229	236
Flat terrain	0	128	171	209	243	275	304	333	360	385
Downhill	-1%	143	199	251	302	350	398	445	491	538
	-2%	160	230	298	367	435	505	192	179	172

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 20010 • ID 17.5 mm • Kd 0.10 • Flow rate 1.50 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	**0.20**	**0.30**	**0.40**	**0.50**	**0.60**	**0.70**	**0.80**	**0.90**	**1.00**
Uphill	2%	78	95	108	117	124	130	134	138	141
	1%	88	113	132	149	163	176	186	196	205
Flat terrain	0	99	132	161	188	212	235	257	278	298
Downhill	-1%	108	148	186	222	256	290	322	356	387
	-2%	117	166	213	260	305	351	397	443	489

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 20010 • ID 17.5 mm • Kd 0.10 • Flow rate 2.00 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	**0.20**	**0.30**	**0.40**	**0.50**	**0.60**	**0.70**	**0.80**	**0.90**	**1.00**
Uphill	2%	67	84	96	106	113	119	125	130	133
	1%	75	96	114	129	142	154	164	174	182
Flat terrain	0	82	110	134	156	177	195	214	231	248
Downhill	-1%	88	121	151	180	207	233	259	284	309
	-2%	95	133	170	205	240	274	309	343	377

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 20010 • ID 17.5 mm • Kd 0.10 • Flow rate 3.00 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	**0.20**	**0.30**	**0.40**	**0.50**	**0.60**	**0.70**	**0.80**	**0.90**	**1.00**
Uphill	2%	54	69	80	90	97	104	110	114	119
	1%	59	77	91	105	116	125	135	144	152
Flat terrain	0	63	85	104	121	136	151	166	179	192
Downhill	-1%	67	91	113	134	154	173	191	210	227
	-2%	71	98	124	149	173	197	221	244	267

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 20010 • ID 17.5 mm • Kd 0.10 • Flow rate 4.00 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	**0.20**	**0.30**	**0.40**	**0.50**	**0.60**	**0.70**	**0.80**	**0.90**	**1.00**
Uphill	2%	46	59	70	79	86	92	98	103	107
	1%	49	65	78	89	99	109	117	124	131
Flat terrain	0	53	71	86	101	113	126	138	149	159
Downhill	-1%	55	75	93	110	125	141	155	170	184
	-2%	58	80	100	120	139	157	175	194	211

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 20010 • ID 17.5 mm • Kd 0.10 • Flow rate 8.00 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	**0.20**	**0.30**	**0.40**	**0.50**	**0.60**	**0.70**	**0.80**	**0.90**	**1.00**
Uphill	2%	31	41	48	56	62	67	71	76	80
	1%	32	43	52	60	67	74	80	86	91
Flat terrain	0	34	45	56	65	73	81	89	95	103
Downhill	-1%	35	47	58	68	78	87	96	104	113
	-2%	36	49	61	73	83	94	104	113	123

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 20012 • ID 17.5 mm • Kd 0.10 • Flow rate 1.05 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
Uphill	2%	91	109	121	130	136	140	144	147	149
	1%	107	135	158	176	191	204	215	224	233
Flat terrain	0	124	166	202	236	266	295	322	348	373
Downhill	-1%	139	192	242	291	337	383	428	473	517
	-2%	154	221	286	352	416	482	201	183	175

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 20012 • ID 17.5 mm • Kd 0.10 • Flow rate 1.60 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
Uphill	2%	75	92	105	115	122	127	133	136	139
	1%	85	109	128	145	159	171	182	192	200
Flat terrain	0	95	127	154	180	203	225	246	267	286
Downhill	-1%	103	142	178	212	244	276	307	338	368
	-2%	112	158	202	246	289	332	375	418	461

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 20012 • ID 17.5 mm • Kd 0.10 • Flow rate 2.10 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
Uphill	2%	66	82	94	104	112	118	123	128	131
	1%	73	94	111	126	139	150	161	170	179
Flat terrain	0	79	107	130	152	171	190	207	224	241
Downhill	-1%	85	117	146	173	199	225	250	274	298
	-2%	91	128	163	197	230	263	296	329	361

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 20012 • ID 17.5 mm • Kd 0.10 • Flow rate 3.15 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
Uphill	2%	53	67	78	88	95	102	107	113	117
	1%	57	74	89	102	112	123	132	140	148
Flat terrain	0	61	82	100	117	132	146	160	174	186
Downhill	-1%	65	88	110	130	149	167	185	203	219
	-2%	68	95	120	144	167	190	212	234	256

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 20012 • ID 17.5 mm • Kd 0.10 • Flow rate 4.20 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
Uphill	2%	45	58	68	77	84	91	96	101	105
	1%	48	63	76	87	97	106	114	122	128
Flat terrain	0	51	68	84	98	110	123	134	144	155
Downhill	-1%	53	72	90	106	121	136	150	164	178
	-2%	56	77	97	116	134	151	169	186	203

Max. lateral length (meters) at different slopes - 10% flow variation

Leach Line™ A 20012 • ID 17.5 mm • Kd 0.10 • Flow rate 8.40 l/h • Inlet pressure 1.5 Bar

	Distance between drippers (meter)									
	Slope	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
Uphill	2%	30	40	47	54	60	65	70	74	78
	1%	31	42	50	59	65	71	78	83	89
Flat terrain	0	33	44	54	63	71	78	86	93	100
Downhill	-1%	33	45	56	66	75	84	93	101	109
	-2%	34	47	59	70	80	90	100	110	119