Leach Line™ D

Pressure-compensated integral dripline with compact emitter design, engineered for efficient and uniform solution distribution in heap leaching applications.

Benefits & Features

Uniform water distribution

The pressure-compensated emitter delivers consistent flow rates across a wide pressure range, ensuring uniform solution distribution along the dripline.

The compact emitter design enables efficient hydraulic behavior and stable operation across varying field conditions.

Design flexibility and system optimization

The compact emitter geometry allows for a wide range of dripline configurations, enabling designers to optimize system layout according to heap geometry, flow requirements and operational constraints.

This flexibility supports cost-effective system design without compromising distribution uniformity.

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 TurboNet™ labyrinth ensures continuous self-flushing, maintaining stable flow conditions over time.

Superior clogging resistance

The TurboNet™ labyrinth features:

- Deep, wide and large cross-section flow passages
- Reduced sensitivity to particulate intrusion
- Continuous internal flushing action

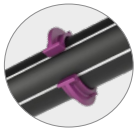
This design minimizes clogging risk and ensures consistent leaching performance throughout the system lifespan.

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

Anti-migration clip (optional)

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

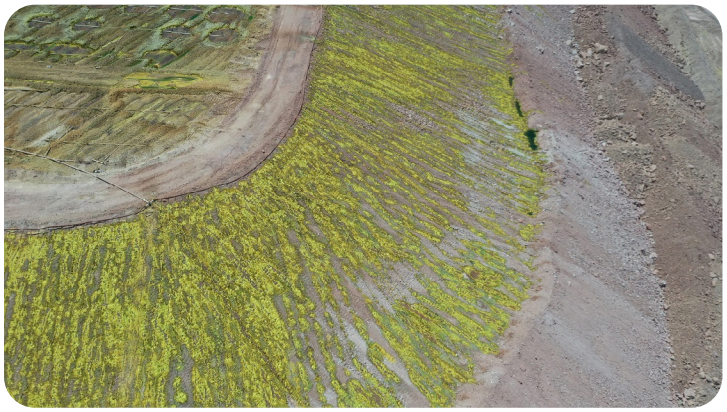
Pre-installed during manufacturing, reducing field labor and installation time.



Applications

Acid & Alkaline Solutions | Acid & Alkaline Solutions | Evaporation Systems

- Heap leaching of gold, silver and other operations using alkaline (high pH) solutions.
- Installation on top of heap leach pads, either on-surface or sub-surface. Particularly suitable for side slope applications and highly variable topography, ensuring uniform solution distribution.
- Applicable for primary and secondary leaching cycles. Designed for large-scale heaps with long dripline runs and significant elevation differences.



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Specifications

- Operating pressure range: Defined according to dripper flow rate (refer to tables).
- Pressure-compensated emitter (constant flow within the specified pressure-compensation range).
- 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: TurboNet™ with large flow passages for enhanced 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

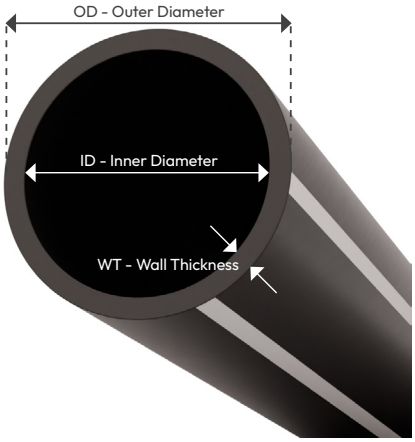
Flow rate* (l/h)	Working pressure range (bar)	Water passages dimensions width-depth-length (mm x mm x mm)	Filtration area (mm²)	Constant K	Exponent* X	Recommended filtration (micron)/(mesh)
1.00	0.40 - 3.0	0.61 x 0.60 x 8	39	1.0	0	200/80
1.60	0.40 - 3.0	0.76 x 0.73 x 8	39	1.6	0	200/80
2.00	0.40 - 3.5	0.76 x 0.88 x 8	39	2.0	0	200/80
3.00	0.40 - 3.5	1.02 x 0.88 x 8	39	3.0	0	200/80
3.50	0.60 - 3.5	1.02 x 0.88 x 8	39	3.5	0	200/80
3.80	0.60 - 3.5	1.02 x 0.88 x 8	39	3.8	0	200/80

* Within working pressure range.

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 (within its specified working range), 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



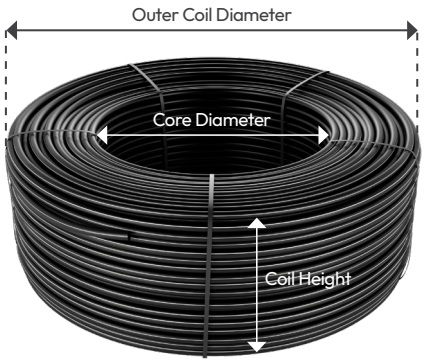
Kd: An integral dripper installed inside the dripline creates a localized disturbance in the water flow, generating minor head losses (Kd) as its shape and volume partially obstruct the internal flow path. The lower the Kd value for a given inner diameter, the longer the driplines can be designed under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

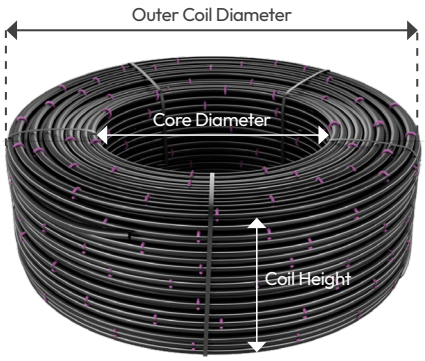
*Values shown are average weights and may vary due to dripper spacing and extrusion tolerances. Refer to the official Netafim™ disclaimers for details.



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™ D	LEACH LINE D

Commercial diameter (mm)	
16	16
20	20

Wall thickness (mm)	
0.9	009
1.0	010
1.2	012

Flow rate (l/h)	
1.00	1.00L/H
1.60	1.60L/H
2.00	2.00L/H
3.00	3.00L/H
3.50	3.50L/H
3.80	3.80L/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 D 16010 2.00L/H 0.40M 500M

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™ D 16009	12325
Leach Line™ D 16010	12309
Leach Line™ D 16012	12424

Brown dripline	Material group (MG)
Leach Line™ D 20010	12425
Leach Line™ D 20012	12426

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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.

In all Netafim™ pressure-compensated drippers, including DripNet PC™ (featured in this document), the dripper exponent X is considered equal to 0 within the specified pressure-compensation range for each model. This ensures that the actual dripper flow rate remains constant within ±7%, in full compliance with ISO 9261 international standards.

Each pressure-compensated dripper model operates within a defined compensation range, with clearly specified minimum and maximum pressure limits. Below the minimum compensation pressure, the dripper behaves as a non-pressure-compensated emitter and its flow rate increases proportionally with pressure until the minimum operating threshold is reached.

Above the maximum compensation pressure, Netafim™ pressure-compensated drippers will continue to regulate flow; however, they become more susceptible to clogging. In most cases, the maximum operating pressure is determined by the physical limitations of the dripline, such as diameter, wall thickness and most importantly, the structural integrity of the pipe and its associated connections.

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

Dripper	Flow rate* (l/h)	Working pressure (bar)									
		0.10	0.15	0.20	0.25	0.30	0.40	0.50	1.00	2.00	3.00
Leach Line™ D	1.00	0.51	0.62	0.72	0.80	0.87	1.00	1.00	1.00	1.00	1.00
	1.60	0.82	1.00	1.15	1.28	1.39	1.60	1.60	1.60	1.60	1.60
	2.00	1.03	1.25	1.43	1.60	1.74	2.00	2.00	2.00	2.00	2.00
	3.00	1.54	1.87	2.15	2.39	2.61	3.00	3.00	3.00	3.00	3.00
	3.50	1.48	1.80	2.07	2.30	2.51	2.88	3.21	3.50	3.50	3.50
	3.80	1.61	1.95	2.24	2.50	2.72	3.13	3.48	3.80	3.80	3.80

* Within working pressure range

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

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 (meter) at different inlet pressure and different slopes

Leach Line™ D 16009/16010/16012 • ID 14.2 mm • Kd 0.72 • Flow rate 1.00 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	83	111	134	153	169	183	194	205	214
	1.5	106	145	178	207	232	253	274	292	308
	2.0	122	169	209	244	275	304	330	354	375
	2.5	135	188	234	274	311	344	374	403	429
	3.0	147	204	254	300	341	378	413	445	474
Flat terrain	1.0	92	130	165	197	226	255	282	307	331
	1.5	114	161	204	243	280	315	349	381	411
	2.0	129	183	232	277	320	360	398	434	469
	2.5	142	201	255	305	352	396	438	478	517
	3.0	153	216	274	329	379	426	472	516	557
Downhill 2%	1.0	102	150	196	242	287	330	374	418	461
	1.5	122	177	230	281	331	379	426	473	520
	2.0	136	197	255	311	364	417	468	518	567
	2.5	148	214	276	336	393	449	502	555	607
	3.0	159	229	295	358	418	476	533	588	642

Minimum design pressure: 0.4 bar. Maximum working pressure: Determined by the dripper limitations.

Max. lateral length (meter) at different inlet pressure and different slopes

Leach Line™ D 16009/16010/16012 • ID 14.2 mm • Kd 0.72 • Flow rate 1.60 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	63	86	105	121	136	148	159	169	178
	1.5	79	110	136	159	180	199	216	231	246
	2.0	91	127	158	187	212	235	256	276	295
	2.5	101	141	176	208	237	264	289	311	333
	3.0	109	152	191	227	259	288	316	342	366
Flat terrain	1.0	68	96	122	145	167	188	208	227	245
	1.5	84	118	150	180	207	232	258	281	304
	2.0	95	135	171	205	236	265	294	320	347
	2.5	104	148	188	225	259	292	323	353	382
	3.0	112	159	202	242	280	315	349	381	412
Downhill 2%	1.0	73	107	138	170	200	230	258	287	316
	1.5	88	127	164	200	234	267	300	332	363
	2.0	99	143	184	223	260	297	332	366	400
	2.5	108	155	199	242	282	321	358	395	431
	3.0	115	166	213	258	301	342	382	420	458

Minimum design pressure: 0.4 bar. Maximum working pressure: Determined by the dripper limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

Leach Line™ D 16009/16010//16012 • ID 14.2 mm • Kd 0.72 • Flow rate 2.00 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	55	75	92	108	121	133	143	153	162
	1.5	69	96	119	140	159	176	192	206	220
	2.0	79	110	138	164	186	207	226	244	261
	2.5	87	122	154	182	208	232	254	275	294
	3.0	94	133	167	198	226	253	278	301	322
	3.5	101	141	178	212	242	271	298	323	347
Flat terrain	1.0	59	83	105	126	145	163	180	196	212
	1.5	72	102	130	155	179	202	223	243	263
	2.0	82	116	148	177	204	230	254	278	300
	2.5	90	128	162	195	224	253	280	306	331
	3.0	97	138	175	210	242	272	302	329	356
	3.5	103	146	186	223	257	290	321	351	379
Downhill 2%	1.0	63	91	118	144	169	194	218	242	266
	1.5	75	109	140	171	199	228	255	282	308
	2.0	85	122	157	191	223	253	283	312	340
	2.5	93	133	171	207	241	274	306	338	368
	3.0	99	143	183	221	257	293	326	359	391
	3.5	105	151	194	234	272	309	345	379	412

Minimum design pressure: 0.4 bar. Maximum working pressure: Determined by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

Leach Line™ D 16009/16010//16012 • ID 14.2 mm • Kd 0.72 • Flow rate 3.00 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	43	59	73	86	97	107	117	125	133
	1.5	53	75	94	111	126	140	153	166	177
	2.0	61	86	108	128	146	163	179	194	208
	2.5	67	95	120	142	163	182	200	217	233
	3.0	73	103	130	154	177	198	218	237	254
	3.5	78	110	138	165	189	212	234	254	273
Flat terrain	1.0	45	64	81	97	112	125	138	151	164
	1.5	55	79	100	120	138	155	172	187	203
	2.0	63	89	114	136	157	177	196	214	231
	2.5	69	98	125	150	173	195	215	236	255
	3.0	74	106	134	161	186	210	232	254	275
	3.5	79	112	143	171	198	223	247	270	292
Downhill 2%	1.0	47	68	88	108	126	144	162	178	195
	1.5	57	83	106	129	150	171	190	210	229
	2.0	65	93	119	144	168	190	213	234	255
	2.5	71	101	130	157	182	207	231	254	277
	3.0	76	109	139	168	196	222	247	271	295
	3.5	80	115	147	178	206	235	261	287	312

Minimum design pressure: 0.4 bar. Maximum working pressure: Determined by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

Leach Line™ D 16009/16010//16012 • ID 14.2 mm • Kd 0.72 • Flow rate 3.50 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	33	46	56	66	74	81	88	95	100
	1.5	45	63	78	93	106	117	128	139	148
	2.0	53	74	93	110	126	141	154	167	179
	2.5	59	83	104	124	142	159	174	190	204
	3.0	64	90	114	136	155	174	191	208	224
	3.5	68	97	122	146	167	187	206	224	241
Flat terrain	1.0	35	50	63	76	87	98	108	118	128
	1.5	47	66	84	100	116	130	144	158	170
	2.0	54	77	98	117	135	152	168	184	199
	2.5	60	86	108	130	150	169	187	205	222
	3.0	65	93	118	141	163	184	204	222	241
	3.5	69	99	126	151	174	197	218	238	257
Downhill 2%	1.0	37	54	70	86	100	115	129	143	157
	1.5	48	69	89	108	126	144	161	177	193
	2.0	56	80	102	124	144	164	182	201	219
	2.5	61	88	113	137	158	180	201	221	240
	3.0	66	95	122	147	171	194	216	238	258
	3.5	71	101	130	157	182	206	230	252	274

Minimum design pressure: 0.6 bar. Maximum working pressure: Determined by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

Leach Line™ D 16009/16010//16012 • ID 14.2 mm • Kd 0.72 • Flow rate 3.80 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	32	44	54	63	71	78	85	91	97
	1.5	43	60	75	89	101	112	123	133	142
	2.0	50	71	89	105	121	134	148	160	172
	2.5	56	79	100	118	136	152	167	181	195
	3.0	61	86	108	129	148	166	183	199	214
	3.5	65	92	116	139	159	179	197	214	231
Flat terrain	1.0	34	47	60	72	83	94	103	113	122
	1.5	44	63	80	96	110	124	138	150	162
	2.0	51	73	93	112	128	145	161	176	190
	2.5	57	81	103	124	143	161	178	195	211
	3.0	62	88	112	135	155	175	194	212	229
	3.5	66	94	120	144	166	187	207	227	245
Downhill 2%	1.0	35	51	66	81	95	109	122	135	148
	1.5	46	66	85	103	119	137	152	167	183
	2.0	53	76	97	118	137	155	174	191	208
	2.5	58	84	107	130	151	171	190	210	228
	3.0	63	90	116	140	162	184	205	225	245
	3.5	67	96	123	149	172	195	218	239	260

Minimum design pressure: 0.6 bar. Maximum working pressure: Determined by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

Leach Line™ D 20010/20012 • ID 17.5 mm • Kd 0.25 • Flow rate 1.00 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	126	161	185	205	219	231	241	248	255
	1.5	167	218	258	291	319	342	362	379	394
	2.0	195	258	310	353	390	423	451	476	499
	2.5	218	291	351	403	448	487	522	554	584
	3.0	238	319	386	445	496	542	583	621	655
Flat terrain	1.0	153	210	260	307	349	389	427	464	498
	1.5	189	260	323	380	433	483	530	576	619
	2.0	215	296	368	434	495	552	606	658	708
	2.5	237	326	406	478	545	608	668	725	780
	3.0	255	352	437	516	589	657	722	783	842
Downhill 2%	1.0	180	262	340	418	494	568	643	713	777
	1.5	212	303	390	474	555	635	714	788	858
	2.0	236	335	429	518	605	689	772	850	924
	2.5	256	362	461	556	647	735	822	904	981
	3.0	273	385	490	589	683	776	866	950	1032

Minimum design pressure: 0.4 bar. Maximum working pressure: Determined by the dripper limitations.
Due to considerations related to dripline filling time and flushing effectiveness, it is not recommended to exceed a dripline length of 800 meters.

Max. lateral length (meter) at different inlet pressure and different slopes

Leach Line™ D 20010/20012 • ID 17.5 mm • Kd 0.25 • Flow rate 1.60 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	98	128	150	169	184	197	208	217	225
	1.5	127	169	203	232	256	278	298	315	330
	2.0	148	198	240	276	308	336	362	385	407
	2.5	164	221	270	312	349	383	414	442	468
	3.0	179	241	295	342	384	422	457	490	519
Flat terrain	1.0	113	155	192	227	258	288	316	343	369
	1.5	139	192	238	281	320	357	393	426	458
	2.0	159	219	272	321	366	408	449	487	524
	2.5	174	241	299	353	403	450	494	536	577
	3.0	188	259	323	381	435	485	534	580	623
Downhill 2%	1.0	128	183	236	288	337	386	435	483	531
	1.5	152	215	275	332	387	440	493	545	595
	2.0	170	240	305	367	426	483	539	594	647
	2.5	185	260	330	396	458	519	578	635	692
	3.0	197	278	351	421	487	550	612	672	731

Minimum design pressure: 0.4 bar. Maximum working pressure: Determined by the dripper limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

Leach Line™ D 20010/20012 • ID 17.5 mm • Kd 0.25 • Flow rate 2.00 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	87	113	135	153	167	180	191	201	209
	1.5	111	149	180	206	229	250	268	284	300
	2.0	129	174	211	244	274	300	323	345	365
	2.5	143	194	237	275	308	340	367	393	418
	3.0	155	211	258	301	338	373	405	434	462
	3.5	166	226	278	323	365	403	438	470	500
Flat terrain	1.0	98	134	166	196	224	250	274	297	320
	1.5	120	166	206	243	277	309	340	369	397
	2.0	137	189	236	278	317	354	389	422	454
	2.5	151	208	259	306	349	390	428	465	500
	3.0	163	224	280	330	377	421	462	502	540
	3.5	173	239	297	351	401	448	492	535	575
Downhill 2%	1.0	109	155	199	242	283	324	364	403	442
	1.5	130	184	234	282	328	372	416	458	500
	2.0	145	205	260	312	362	410	457	502	547
	2.5	158	223	282	338	391	442	491	539	586
	3.0	170	238	301	360	416	469	522	572	621
	3.5	179	251	318	380	438	494	548	601	652

Minimum design pressure: 0.4 bar. Maximum working pressure: Determined by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

Leach Line™ D 20010/20012 • ID 17.5 mm • Kd 0.25 • Flow rate 3.00 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	69	91	109	125	139	151	161	170	179
	1.5	87	117	143	165	185	203	219	234	248
	2.0	101	136	167	194	218	240	261	279	297
	2.5	111	152	186	217	245	270	294	316	336
	3.0	121	164	203	237	268	296	322	347	370
	3.5	129	176	217	254	287	318	346	374	399
Flat terrain	1.0	75	103	128	151	172	193	211	230	247
	1.5	93	128	159	188	214	239	262	284	306
	2.0	105	146	181	214	244	273	300	326	350
	2.5	116	160	200	236	269	300	330	359	386
	3.0	125	173	215	254	290	324	356	387	417
	3.5	133	184	229	271	309	345	379	412	444
Downhill 2%	1.0	81	116	148	179	208	237	265	293	320
	1.5	98	138	175	210	244	276	307	338	368
	2.0	110	155	196	235	271	306	340	374	405
	2.5	120	169	213	255	293	331	367	402	437
	3.0	129	181	228	272	313	353	391	428	464
	3.5	137	191	241	287	331	372	413	452	489

Minimum design pressure: 0.4 bar. Maximum working pressure: Determined by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

Leach Line™ D 20010/20012 • ID 17.5 mm • Kd 0.25 • Flow rate 3.50 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	53	70	83	95	104	113	120	126	132
	1.5	73	99	120	139	155	170	184	196	207
	2.0	87	118	144	168	189	208	226	242	257
	2.5	98	133	163	190	215	237	258	277	295
	3.0	106	145	179	209	236	262	285	307	327
	3.5	114	156	192	225	255	283	308	332	355
Flat terrain	1.0	59	81	101	119	135	151	166	180	193
	1.5	78	108	134	158	181	202	222	240	258
	2.0	91	126	156	185	211	236	259	281	303
	2.5	101	140	174	206	235	263	289	313	337
	3.0	110	152	189	224	256	286	314	341	367
	3.5	117	162	202	239	273	305	335	365	392
Downhill 2%	1.0	65	92	119	144	168	192	215	238	260
	1.5	83	117	148	178	206	234	260	286	312
	2.0	95	134	169	202	233	264	294	321	350
	2.5	105	147	186	222	256	288	320	351	380
	3.0	113	158	200	239	275	309	343	375	407
	3.5	121	169	212	253	292	328	363	398	430

Minimum design pressure: 0.6 bar. Maximum working pressure: Determined by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

Leach Line™ D 20010/20012 • ID 17.5 mm • Kd 0.25 • Flow rate 3.08 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	50	67	80	91	100	109	116	122	128
	1.5	70	94	114	133	149	163	176	188	199
	2.0	83	112	138	160	180	199	215	231	246
	2.5	93	126	155	181	205	226	246	265	282
	3.0	101	138	170	199	225	249	272	293	312
	3.5	108	148	183	215	243	270	294	317	339
Flat terrain	1.0	56	77	96	113	128	144	158	171	184
	1.5	74	102	127	150	171	191	210	228	245
	2.0	86	119	148	176	200	223	246	266	287
	2.5	96	133	165	195	223	249	274	298	320
	3.0	104	144	180	212	242	271	298	323	348
	3.5	111	154	192	227	259	290	318	346	372
Downhill 2%	1.0	61	87	112	135	158	180	202	223	244
	1.5	78	110	140	168	194	220	245	269	293
	2.0	90	126	160	191	221	249	277	303	329
	2.5	99	139	176	210	242	272	302	331	359
	3.0	107	150	189	226	260	293	324	355	384
	3.5	114	160	201	240	275	310	343	375	406

Minimum design pressure: 0.6 bar. Maximum working pressure: Determined by the dripline wall-thickness limitations.