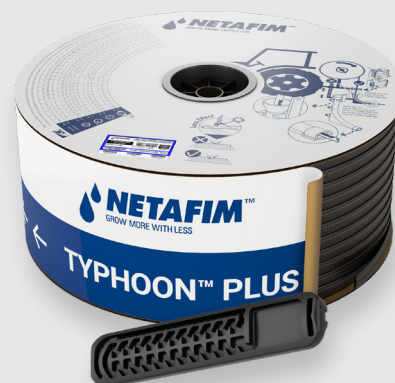


Typhoon™ Plus

Integral dripper (non-pressure-compensated) with high clogging resistance. Proven performance for multi-season drip irrigation applications in field crops.



Benefits & Features

Hydraulic performance adaptability

Flow rate varies with pressure, following pressure-dependent flow characteristics that enable flexible system design under specific field conditions.

A low exponent (X) allows improved irrigation uniformity and enables longer dripline lengths under similar operating conditions.

Long-lasting, high clogging resistance

Ensures reliable performance through a self-cleaning labyrinth that continuously flushes debris during operation.

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

The TurbuNext™ labyrinth features wide, deep flow passages with large cross-sections that significantly enhance clogging resistance. Water is drawn from the center of the flow stream to further minimize suspended particle ingress.

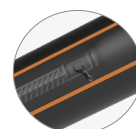
Guided installation orientation

Dual orange stripes indicate the dripper position, enabling quick and accurate installation. Installing the dripper facing upwards helps reduce sediment accumulation away from the inlet, improving long-term performance and reliability.

Flap outlet protection (optional)

Reduces the risk of particle ingress from surrounding soil through a flexible outlet cover that closes when irrigation stops, acting as a mechanical barrier against soil, sand and debris.

*Does not provide full anti-siphon functionality or guarantee complete sealing under all field conditions. Proper system design, installation and maintenance, including the correct use of air valves, are recommended to prevent suction within the dripline.



ReGen™ (optional)

ReGen™ dripline incorporates high-quality recycled materials, supporting the sustainability goals of modern agricultural operations while maintaining reliable irrigation performance.

*ReGen™ is currently available in selected markets and is being progressively introduced worldwide. Please consult your local Netafim™ representative for availability.



Applications



Open field



Orchards



Protected crops

- Suitable for on-surface and sub-surface installation.
- Delivers uniform hydraulic performance on flat terrain and slightly sloping fields.
- Ideal for irrigation in seasonal vegetables, industrial and other row crops.



Specifications

- Maximum operating pressure: According to dripline wall thickness and diameter. See tables below.
- Filtration requirements: Filtration level depends on the dripper flow rate and must be selected according to the type and concentration of particles in the water. When sand content exceeds 2 ppm, a Hydrocyclone must be installed upstream of the main filter. For sand/silt/clay solids above 100 ppm, apply pre-treatment in line with Netafim™ expert guidelines.
- TurbuNext™ labyrinth with enhanced clogging resistance and superior hydraulic performance.
- Weldable into thin and medium-wall driplines: 0.20, 0.25, 0.31, 0.34, 0.38 and 0.45 mm.
- Injection-molded dripper with very low coefficient of variation (CV) for reliable uniformity.
- High UV resistance and compatible with standard agricultural nutrients and fertilizers.
- Compliant with ISO 9261 international standards.
- Driplines are black with two orange stripes.

Drippers technical data

Flow rate* (l/h)	Water passages dimensions width-depth-length (mm x mm x mm)	Filtration area (mm²)	Constant K	Exponent X	Recommended filtration (micron)/(mesh)
0.50	0.45 x 0.45 x 34	21	0.177	0.45	130/120
0.70	0.52 x 0.51 x 34	22	0.247	0.45	130/120
1.00	0.60 x 0.59 x 34	24	0.355	0.45	200/80
1.60	0.66 x 0.63 x 18	26	0.567	0.45	200/80
2.20	0.77 x 0.72 x 18	26	0.780	0.45	200/80

* Nominal flow rate at 1.0 bar.

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.

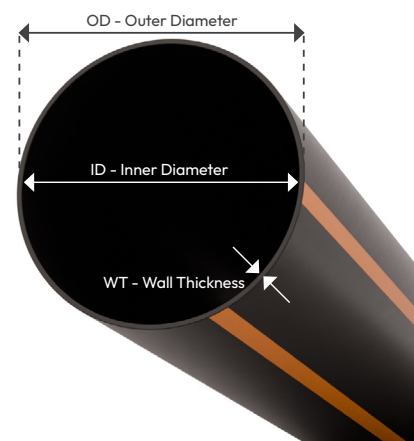


Driplines technical data

Model	Inner diameter (mm)	Wall thickness (mil) / (mm)	Outer diameter (mm)	Max. working pressure (bar)	Max. flushing pressure (bar)	Kd
12080	11.80	8.0 / 0.20	12.20	2.0	2.3	0.20
12100	11.80	10.0 / 0.25	12.30	2.3	2.6	0.20
12125	11.80	12.5 / 0.31	12.42	2.5	2.9	0.20
12150	11.80	15.0 / 0.38	12.56	3.0	3.5	0.20
12180	11.80	18.0 / 0.45	12.70	3.2	3.7	0.20
16080	16.20	8.0 / 0.20	16.60	1.2	1.4	0.10
16100	16.20	10.0 / 0.25	16.70	1.4	1.6	0.10
16125	16.20	12.5 / 0.31	16.82	1.8	2.1	0.10
16150	16.20	15.0 / 0.38	16.96	2.2	2.5	0.10
16180	16.20	18.0 / 0.45	17.10	2.5	2.9	0.10
22080	22.20	8.0 / 0.20	22.60	1.0	1.2	0.02
22100	22.20	10.0 / 0.25	22.70	1.1	1.3	0.02
22135	22.20	13.5 / 0.34	22.88	1.5	1.7	0.02
22150	22.20	15.0 / 0.38	22.96	1.8	2.1	0.02
22180	22.20	18.0 / 0.45	23.10	2.1	2.4	0.02
25135	25.00	13.5 / 0.34	25.68	1.2	1.4	0.01
25150	25.00	15.0 / 0.38	25.76	1.4	1.6	0.01

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.

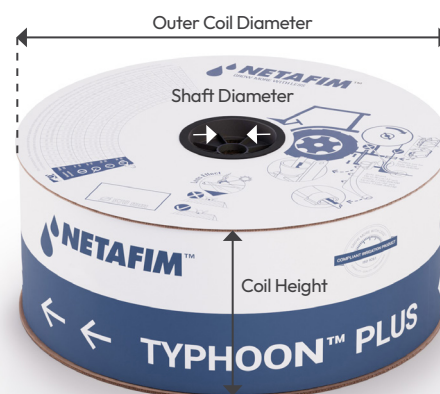
Max. flushing pressure: The maximum permissible flushing pressures shown in the table apply to continuous flushing cycles of up to 30 minutes, with the ends of at least five driplines opened for flushing.



Driplines package data (on carton coil)

Model	Wall thickness (mil) / (mm)	Distance between drippers (m)	Coil length (m)	Average* coil weight (kg)	Outer coil diameter (cm)	Shaft diameter (cm)	Coil height (cm)
12080	8.0 / 0.20	0.15 to 0.25	1200	11.0	52	3.8	24
		0.30 to 1.00	1300	11.9			
12100	10.0 / 0.25	0.15 to 0.25	1200	12.5	52	3.8	24
		0.30 to 1.00	1300	13.1			
12125	12.5 / 0.31	0.15 to 0.25	1200	13.4	52	3.8	24
		0.30 to 1.00	1300	14.5			
12150	15.0 / 0.38	0.15 to 0.25	1100	15.1	52	3.8	24
		0.30 to 1.00	1100	15.1			
12180	18.0 / 0.45	0.15 to 0.25	650	12.3	52	3.8	24
		0.30 to 1.00	700	13.0			
16080	8.0 / 0.20	0.15 to 0.25	2400	23.4	57	3.8	24
		0.30 to 1.00	2500	24.4			
16100	10.0 / 0.25	0.15 to 0.25	1900	23.2	57	3.8	24
		0.30 to 1.00	2000	24.5			
16125	12.5 / 0.31	0.15 to 0.25	1350	20.6	57	3.8	24
		0.30 to 1.00	1600	24.4			
16150	15.0 / 0.38	0.15 to 0.25	1200	22.5	57	3.8	24
		0.30 to 1.00	1300	24.4			
16180	18.0 / 0.45	0.15 to 0.25	1100	20.6	57	3.8	24
		0.30 to 1.00	1200	22.5			
22080	8.0 / 0.20	0.15 to 0.25	1500	20.0	57	3.8	24
		0.30 to 1.00	1700	22.7			
22100	10.0 / 0.25	0.15 to 0.25	1200	20.0	57	3.8	24
		0.30 to 1.00	1500	25.0			
22135	13.5 / 0.34	0.15 to 0.25	1100	25.1	57	3.8	24
		0.30 to 1.00	1100	25.1			
22150	15.0 / 0.38	0.15 to 0.25	1000	25.5	57	3.8	24
		0.30 to 1.00	1000	25.5			
22180	18.0 / 0.45	0.15 to 0.25	800	24.3	57	3.8	24
		0.30 to 1.00	900	27.3			
25135	13.5 / 0.34	0.15 to 0.25	900	23.3	57	3.8	24
		0.30 to 1.00	1000	25.8			
25150	15.0 / 0.38	0.15 to 0.25	900	26.0	57	3.8	24
		0.30 to 1.00	900	26.0			

*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 carton coil) within container

Model	Coil length (m)	Coils p/pallet (units)	Pallet dimensions (cm x cm x cm)	Average* pallet weight (kg)	Coils in a 40 foot container (units)	Total in a 40 foot container (m)
12125	1200	16	109 x 109 x 106	224	640	768000
	1300			242		832000
12150	1100	16	109 x 109 x 106	252	640	704000
	1100			252		704000
12180	650	16	109 x 109 x 106	207	640	416000
	700			218		448000
16080	2400	16	109 x 109 x 106	385	640	1536000
	2500			400		1600000
16100	1900	16	109 x 109 x 106	382	640	1216000
	2000			402		1280000
16125	1350	16	109 x 109 x 106	339	640	864000
	1600			400		1024000
16150	1200	16	109 x 109 x 106	370	640	768000
	1300			400		832000
16180	1100	16	109 x 109 x 106	340	640	704000
	1200			370		768000
22080	1500	16	109 x 109 x 106	330	640	960000
	1700			372		1088000
22100	1200	16	109 x 109 x 106	330	640	768000
	1500			411		960000
22135	1100	16	109 x 109 x 106	411	640	704000
	1100			411		704000
22150	1000	16	109 x 109 x 106	418	640	640000
	1000			418		640000
22180	800	16	109 x 109 x 106	398	640	512000
	900			447		576000
25135	900	16	109 x 109 x 106	382	640	576000
	1000			423		640000
25150	900	16	109 x 109 x 106	426	640	576000
	900			426		576000

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

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		Commercial diameter (mm)		Wall thickness (mil) / (mm)		Flow rate (l/h)		Distance between drippers (m)		Coil length (m)	Special features	
Typhoon™ Plus	TYP+	12	12	8.0 / 0.20	80	0.50	0.50L/H	0.2	0.20M	Coil length according to the values presented in the corresponding table.	No added	-
		16	16	10.0 / 0.25	100	0.70	0.70L/H	0.3	0.30M		Flap outlet	FL
		22	22	12.5 / 0.31	125	1.00	1.00L/H	0.4	0.40M		Other	XXX
		25	25	13.5 / 0.34	135	1.60	1.60L/H	0.5	0.50M		*Other features available upon request. Consult your local Netafim™ distributor.	
				15.0 / 0.38	150	2.20	2.20L/H	0.6	0.60M			
				18.0 / 0.45	180			0.7	0.70M			
*Other distances between drippers can be ordered.												

TYP+ 22135 1.00L/H 0.30M 1100M FL

Catalog description example

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.

Typhoon™ Plus flow (l/h) vs pressure (bar)

Dripper	Flow rate* (l/h)	Working pressure (bar)									
		0.40	0.70	1.00	1.30	1.60	1.90	2.20	2.50	2.80	3.00
Typhoon™ Plus	0.50	0.33	0.42	0.50	0.56	0.62	0.67	0.71	0.75	0.79	0.82
	0.70	0.46	0.59	0.70	0.78	0.86	0.93	0.99	1.05	1.11	1.14
	1.00	0.66	0.85	1.00	1.13	1.24	1.34	1.43	1.51	1.59	1.64
	1.60	1.06	1.36	1.60	1.80	1.97	2.13	2.28	2.41	2.54	2.62
	2.20	1.46	1.87	2.20	2.47	2.72	2.93	3.13	3.32	3.49	3.60

* 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.



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. dripline length (meters) at different slopes - 10.0% flow variation

Typhoon™ Plus 12125/12150/12180 • ID 11.8 mm • Kd 0.20 • Flow rate 0.50 l/h • Inlet pressure 1.0 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%	69	82	90	95	98	102	104	105	106
	1%	83	105	122	135	146	154	162	168	174
Flat terrain	0	99	132	162	189	213	237	259	280	300
Downhill	-1%	112	156	198	239	278	318	357	395	434
	-2%	126	183	240	297	351	405	458	511	564

Max. dripline length (meters) at different slopes - 10.0% flow variation

Typhoon™ Plus 12125/12150/12180 • ID 11.8 mm • Kd 0.20 • Flow rate 0.70 l/h • Inlet pressure 1.0 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%	60	73	82	88	92	96	98	101	102
	1%	70	89	104	116	127	136	143	150	157
Flat terrain	0	80	107	131	153	173	191	210	227	243
Downhill	-1%	88	122	154	185	214	243	272	300	328
	-2%	97	139	180	221	262	303	345	386	427

Max. dripline length (meters) at different slopes - 10.0% flow variation

Typhoon™ Plus 12125/12150/12180 • ID 11.8 mm • Kd 0.20 • Flow rate 1.00 l/h • Inlet pressure 1.0 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%	51	63	72	79	83	88	91	94	96
	1%	57	74	86	98	107	116	124	131	136
Flat terrain	0	63	85	104	121	137	152	166	179	192
Downhill	-1%	68	94	118	141	163	183	205	225	245
	-2%	74	105	134	163	191	220	249	277	306

Max. dripline length (meters) at different slopes - 10.0% flow variation

Typhoon™ Plus 12125/12150/12180 • ID 11.8 mm • Kd 0.20 • Flow rate 1.60 l/h • Inlet pressure 1.0 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%	40	50	58	66	71	76	79	83	86
	1%	43	56	67	77	85	93	99	105	111
Flat terrain	0	47	63	77	90	102	113	123	133	143
Downhill	-1%	49	68	84	100	115	130	144	158	171
	-2%	52	73	93	112	131	149	167	185	203

Max. dripline length (meters) at different slopes - 10.0% flow variation

Typhoon™ Plus 12125/12150/12180 • ID 11.8 mm • Kd 0.20 • Flow rate 2.20 l/h • Inlet pressure 1.0 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%	33	43	50	57	62	67	70	74	77
	1%	36	47	56	65	72	79	85	91	95
Flat terrain	0	38	51	63	74	83	92	101	109	117
Downhill	-1%	40	54	68	80	92	103	114	125	135
	-2%	42	58	73	88	102	116	130	143	156

Max. dripline length (meters) at different slopes - 10.0% flow variation

Typhoon™ Plus 16080/16100/16125/16150/16180 • ID 16.2 mm • Kd 0.10 • Flow rate 0.50 l/h • Inlet pressure 1.0 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	101	105	108	109	110	110	111	112
	1%	128	153	169	181	189	195	200	204	207
Flat terrain	0	175	233	283	329	371	411	450	485	520
Downhill	-1%	218	310	401	491	582	674	766	858	950
	-2%	266	427	614	829	1074	1359	1684	2059	2484

Max. dripline length (meters) at different slopes - 10.0% flow variation

Typhoon™ Plus 16080/16100/16125/16150/16180 • ID 16.2 mm • Kd 0.10 • Flow rate 0.70 l/h • Inlet pressure 1.0 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%	85	95	100	104	106	108	109	110	110
	1%	110	134	151	164	174	181	187	193	197
Flat terrain	0	141	188	229	266	300	333	363	392	420
Downhill	-1%	168	237	304	370	434	499	564	630	696
	-2%	199	295	390	485	580	675	770	865	960

Max. dripline length (meters) at different slopes - 10.0% flow variation

Typhoon™ Plus 16080/16100/16125/16150/16180 • ID 16.2 mm • Kd 0.10 • Flow rate 1.00 l/h • Inlet pressure 1.0 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	87	94	99	102	104	106	107	108
	1%	92	114	131	144	155	164	170	176	182
Flat terrain	0	112	149	181	211	238	264	288	311	334
Downhill	-1%	128	179	228	275	320	366	411	456	502
	-2%	147	214	281	349	416	483	550	617	684

Max. dripline length (meters) at different slopes - 10.0% flow variation

Typhoon™ Plus 16080/16100/16125/16150/16180 • ID 16.2 mm • Kd 0.10 • Flow rate 1.60 l/h • Inlet pressure 1.0 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%	62	74	83	89	93	97	98	101	103
	1%	72	91	106	119	129	138	146	152	159
Flat terrain	0	83	110	134	156	177	195	214	231	248
Downhill	-1%	92	127	159	191	221	251	279	309	337
	-2%	102	145	187	229	271	314	356	399	441

Max. dripline length (meters) at different slopes - 10.0% flow variation

Typhoon™ Plus 16080/16100/16125/16150/16180 • ID 16.2 mm • Kd 0.10 • Flow rate 2.20 l/h • Inlet pressure 1.0 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	65	74	81	85	90	93	95	98
	1%	60	77	90	102	112	120	128	135	141
Flat terrain	0	68	90	110	128	144	160	174	189	203
Downhill	-1%	73	101	126	150	173	195	218	239	261
	-2%	80	113	144	175	205	236	266	297	328

Max. dripline length (meters) at different slopes - 10.0% flow variation

Typhoon™ Plus 22080/22100/22135/22150/22180 • ID 22.2 mm • Kd 0.02 • Flow rate 0.50 l/h • Inlet pressure 1.0 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%	107	110	110	111	112	112	112	113	113
	1%	178	195	204	210	214	216	218	220	221
Flat terrain	0	317	414	500	578	650	718	782	844	903
Downhill	-1%	469	683	242	227	221	218	215	214	213
	-2%	111	107	106	105	105	104	105	104	104

Due to considerations related to dripline filling time and flushing effectiveness, it is not recommended to exceed a dripline length of 800 meters.

Max. dripline length (meters) at different slopes - 10.0% flow variation

Typhoon™ Plus 22080/22100/22135/22150/22180 • ID 22.2 mm • Kd 0.02 • Flow rate 0.70 l/h • Inlet pressure 1.0 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%	103	107	109	111	111	111	111	112	112
	1%	161	182	194	202	207	211	214	215	217
Flat terrain	0	256	335	404	467	526	580	633	683	731
Downhill	-1%	353	505	659	254	235	227	222	219	217
	-2%	119	110	107	106	106	105	105	104	104

Max. dripline length (meters) at different slopes - 10.0% flow variation

Typhoon™ Plus 22080/22100/22135/22150/22180 • ID 22.2 mm • Kd 0.02 • Flow rate 1.00 l/h • Inlet pressure 1.0 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%	97	104	107	109	110	111	111	111	112
	1%	141	164	178	189	196	202	205	208	211
Flat terrain	0	203	266	321	371	417	461	502	543	580
Downhill	-1%	263	370	476	583	690	258	241	232	227
	-2%	332	117	111	108	107	106	106	105	105

Max. dripline length (meters) at different slopes - 10.0% flow variation

Typhoon™ Plus 22080/22100/22135/22150/22180 • ID 22.2 mm • Kd 0.02 • Flow rate 1.60 l/h • Inlet pressure 1.0 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%	87	96	101	105	107	108	109	110	110
	1%	115	138	154	167	176	183	189	194	198
Flat terrain	0	151	197	238	275	310	342	373	402	430
Downhill	-1%	183	253	321	388	454	520	587	654	292
	-2%	219	317	125	116	112	109	108	107	106

Max. dripline length (meters) at different slopes - 10.0% flow variation

Typhoon™ Plus 22080/22100/22135/22150/22180 • ID 22.2 mm • Kd 0.02 • Flow rate 2.20 l/h • Inlet pressure 1.0 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%	79	89	96	100	103	105	106	108	108
	1%	99	121	137	150	160	168	175	180	186
Flat terrain	0	123	161	194	225	253	279	305	329	351
Downhill	-1%	144	197	248	298	347	395	443	491	540
	-2%	167	239	311	133	120	115	112	110	109

Max. dripline length (meters) at different slopes - 10.0% flow variation

Typhoon™ Plus 25135/25150 • ID 25.0 mm • Kd 0.01 • Flow rate 0.50 l/h • Inlet pressure 1.0 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%	109	110	111	112	112	113	112	113	113
	1%	192	206	212	216	218	220	221	221	222
Flat terrain	0	393	512	616	712	800	883	962	1038	1110
Downhill	-1%	633	238	224	218	215	214	212	212	211
	-2%	108	106	105	105	104	104	104	104	104

Due to considerations related to dripline filling time and flushing effectiveness, it is not recommended to exceed a dripline length of 800 meters.

Max. dripline length (meters) at different slopes - 10.0% flow variation

Typhoon™ Plus 25135/25150 • ID 25.0 mm • Kd 0.01 • Flow rate 0.70 l/h • Inlet pressure 1.0 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%	107	110	110	111	112	112	112	113	113
	1%	178	195	204	210	214	216	218	220	221
Flat terrain	0	317	414	500	578	650	718	782	844	903
Downhill	-1%	469	683	242	227	221	218	215	214	213
	-2%	111	107	106	105	105	104	105	104	104

Due to considerations related to dripline filling time and flushing effectiveness, it is not recommended to exceed a dripline length of 800 meters.

Max. dripline length (meters) at different slopes - 10.0% flow variation

Typhoon™ Plus 25135/25150 • ID 25.0 mm • Kd 0.01 • Flow rate 1.00 l/h • Inlet pressure 1.0 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%	103	107	109	111	111	111	111	112	112
	1%	159	180	192	201	206	209	213	214	216
Flat terrain	0	252	328	395	457	514	567	618	666	713
Downhill	-1%	346	492	639	261	238	228	223	220	218
	-2%	120	110	108	107	106	105	105	104	104

Max. dripline length (meters) at different slopes - 10.0% flow variation

Typhoon™ Plus 25135/25150 • ID 25.0 mm • Kd 0.01 • Flow rate 1.60 l/h • Inlet pressure 1.0 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%	94	102	105	108	109	110	110	111	112
	1%	134	156	172	183	190	197	201	204	207
Flat terrain	0	187	244	294	339	381	421	458	494	529
Downhill	-1%	237	331	422	514	606	699	259	243	234
	-2%	295	123	113	110	108	107	106	105	105

Max. dripline length (meters) at different slopes - 10.0% flow variation

Typhoon™ Plus 25135/25150 • ID 25.0 mm • Kd 0.01 • Flow rate 2.20 l/h • Inlet pressure 1.0 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%	87	97	102	105	107	108	109	110	110
	1%	116	139	155	167	176	183	189	194	198
Flat terrain	0	153	199	239	277	311	344	374	404	432
Downhill	-1%	185	256	324	391	457	524	590	658	289
	-2%	222	322	124	115	112	109	108	107	106