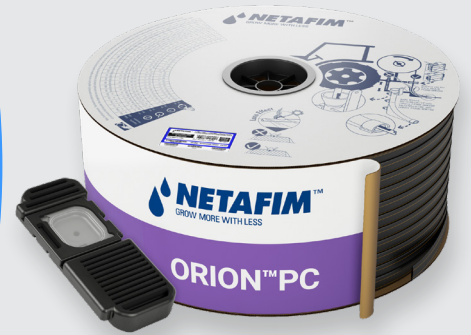


Orion™ PC

Compact integral pressure-compensated dripper designed specifically for thin-wall dripline (TWD) applications. Enables reliable pressure-compensated irrigation in seasonal field crops while maintaining stable hydraulic performance in lightweight dripline systems.



Benefits & Features

Uniform water distribution

Ensures reliable pressure-compensated irrigation in thin-wall dripline (TWD) systems enables uniform irrigation performance in seasonal field crops while maintaining stable hydraulic performance.

Integrated drainage mechanism

Releases water from the dripline at the end of each irrigation cycle, enabling faster and easier dripline retrieval at crop-cycle completion.

Long-lasting, high clogging resistance

Ensures reliable performance through a self-cleaning labyrinth that continuously flushes debris during operation. An optimized filtration area helps limit suspended particle ingress, supporting reliable performance under standard water quality conditions.

The TurbuNext™ labyrinth features deep, optimized flow passages that support clogging resistance. Water is drawn from the center of the flow stream, helping to minimize particle ingress.

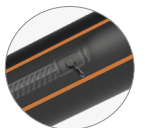
Guided installation orientation

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 installation across a wide range of field conditions.
- Delivers uniform hydraulic performance on flat terrain, sloping fields and variable topographies.
- Ideal for precision irrigation in vegetables and industrial crops.



Specifications

- Pressure-compensated operating range: 0.2 – 1.8 bar.
- Filtration requirements: A filtration grade of 130 micron / 120 mesh is recommended to ensure long-term operational reliability. 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 extra-wide flow passages for enhanced clogging resistance.
- Weldable into thin-wall driplines: 0.15, 0.20, 0.25 and 0.31 mm.
- Injection-molded dripper with ultra-low coefficient of variation (CV) for excellent uniformity and reliable performance.
- High UV resistance and fully compatible with standard agricultural nutrients and fertilizers.
- Fully compliant with ISO 9261 international manufacturing and performance standards.
- Driplines are black with two orange 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)
0.50	0.2 - 1.8	0.63 x 0.51 x 19	29	0.50	0	130/120
1.05	0.2 - 1.8	0.65 x 0.68 x 9	29	1.05	0	130/120
1.60	0.2 - 1.8	0.81 x 0.79 x 8	29	1.60	0	130/120

* 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.



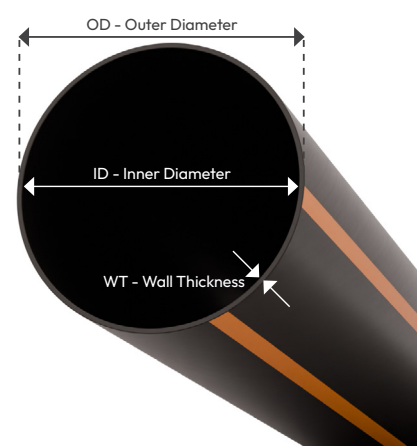
Driplines technical data

Model	Inner diameter (mm)	Wall thickness (mil) / (mm)	Outer diameter (mm)	Max. working pressure (bar)	Max. flushing pressure (bar)	Kd
12060	11.80	6.0 / 0.15	12.10	1.8*	2.5	0.32
12080	11.80	8.0 / 0.20	12.20	1.8*	2.5	0.32
12100	11.80	10.0 / 0.25	12.30	1.8*	2.5	0.32
12125	11.80	12.5 / 0.31	12.42	1.8*	2.5	0.32
16060	16.20	6.0 / 0.15	16.50	1.0	1.2	0.08
16080	16.20	8.0 / 0.20	16.60	1.2	1.4	0.08
16100	16.20	10.0 / 0.25	16.70	1.4	1.6	0.08
16125	16.20	12.5 / 0.31	16.82	1.8	2.1	0.08
22060	22.20	6.0 / 0.15	22.50	0.8	0.9	0.05
22080	22.20	8.0 / 0.20	22.60	1.0	1.2	0.05
22100	22.20	10.0 / 0.25	22.70	1.1	1.3	0.05
22125	22.20	12.5 / 0.31	22.82	1.2	1.4	0.05

* The maximum working pressure is defined by the dripper.

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.

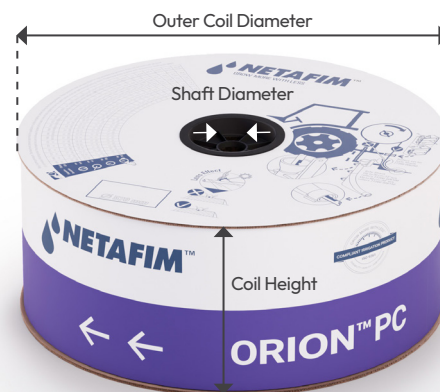
Max. flushing pressure: The maximum permissible flushing pressures shown in the table apply to continuous flushing cycles of up to 30 minutes, with the ends of at least five driplines opened for flushing.



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)
12060	6.0 / 0.15	0.15 to 0.25	2000	16.2	57.0	3.8	24.0
		8.0 / 0.20	2200	16.5			
12080	8.0 / 0.20	0.15 to 0.25	1600	16.1	57.0	3.8	24.0
		12.5 / 0.31	1800	16.8			
12100	10.0 / 0.25	0.15 to 0.25	1400	16.3	57.0	3.8	24.0
		8.0 / 0.20	1500	16.4			
12125	12.5 / 0.31	0.15 to 0.25	1100	15.5	57.0	3.8	24.0
		12.5 / 0.31	1200	16.0			
16060	6.0 / 0.15	0.15 to 0.25	2300	18.4	57.0	3.8	24.0
		8.0 / 0.20	2600	18.9			
16080	8.0 / 0.20	0.15 to 0.25	1600	19.9	57.0	3.8	24.0
		12.5 / 0.31	1800	21.0			
16100	10.0 / 0.25	0.15 to 0.25	1400	21.0	57.0	3.8	24.0
		0.30 to 1.00	1600	22.8			
16125	12.5 / 0.31	0.15 to 0.25	1300	23.5	57.0	3.8	24.0
		0.30 to 1.00	1400	24.2			
22060	6.0 / 0.15	0.15 to 0.25	1500	19.7	57.0	3.8	24.0
		0.30 to 1.00	1600	19.9			
22080	8.0 / 0.20	0.15 to 0.25	1300	21.7	57.0	3.8	24.0
		0.30 to 1.00	1400	22.3			
22100	10.0 / 0.25	0.15 to 0.25	1000	20.4	57.0	3.8	24.0
		0.30 to 1.00	1100	21.6			
22125	12.5 / 0.31	0.15 to 0.25	900	22.0	57.0	3.8	24.0
		0.30 to 1.00	1000	23.7			

*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)
12060	2000	16	109 x 109 x 110	269	640	1280000
	2200			274		1408000
12080	1600	16	109 x 109 x 110	267	640	1024000
	1800			278		1152000
12100	1400	16	109 x 109 x 110	271	640	896000
	1500			272		960000
12125	1100	16	109 x 109 x 110	257	640	704000
	1200			265		768000
16060	1800	16	109 x 109 x 110	304	640	1472000
	2000			313		1664000
16080	1600	16	109 x 109 x 110	329	640	1024000
	1800			347		1152000
16100	1400	16	109 x 109 x 110	346	640	896000
	1600			375		1024000
16125	1300	16	109 x 109 x 110	386	640	832000
	1400			398		896000
22060	1500	16	109 x 109 x 110	325	640	960000
	1600			329		1024000
22080	1300	16	109 x 109 x 110	357	640	832000
	1400			368		896000
22100	1000	16	109 x 109 x 110	337	640	640000
	1100			356		704000
22125	900	16	109 x 109 x 110	363	640	576000
	1000			389		640000

*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	
Orion™ PC	ORN PC	12	12	6.0 / 0.15	060	0.50	0.50L/H	0.2	0.20M	Coil length according to the values presented in the corresponding table.	No added	-
		16	16	8.0 / 0.20	080	1.05	1.05L/H	0.3	0.30M		Flap outlet	FL
		22	22	10.0 / 0.25	100	1.60	1.60L/H	0.4	0.40M		Other	XXX
				12.5 / 0.31	125			0.5	0.50M		*Other features available upon request. Consult your local Netafim™ distributor.	
								0.6	0.60M			
								0.7	0.70M			
								*Other distances between drippers can be ordered.				

ORN PC 16080 1.05L/H 0.30M 1800M

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.

In all Netafim™ pressure-compensated drippers, including Orion™ PC (featured in this document), the dripper exponent X is equal to 0 within the specified pressure-compensation range for each model. This ensures that the actual dripper flow rate remains constant within $\pm 7\%$, 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.

Orion™ PC 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	1.80
Orion™ PC	0.50	0.39	0.42	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	1.05	0.80	0.95	1.05	1.05	1.05	1.05	1.05	1.05	1.05
	1.60	1.38	1.52	1.60	1.60	1.60	1.60	1.60	1.60	1.60

* 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.



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 (meter) at different inlet pressure and different slopes

Orion™ PC 12060/12080/12100/12125 • ID 11.8 mm • Kd 0.32 • Flow rate 0.50 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%	0.8	107	137	160	179	194	206	217	225	233
	1.0	122	158	186	210	229	246	260	273	283
	1.2	134	175	208	236	259	279	297	312	327
	1.4	145	190	227	258	285	309	329	347	364
	1.6	155	204	244	278	308	335	358	379	398
	1.8	163	216	259	297	329	358	384	408	429

Flat terrain	0.8	125	170	210	247	280	312	342	370	397
	1.0	139	189	233	273	310	345	378	410	440
	1.2	150	204	252	296	336	374	410	444	477
	1.4	160	218	269	316	359	399	438	474	509
	1.6	169	230	284	333	379	421	462	501	538
	1.8	177	241	298	350	397	442	485	526	564

Downhill 2%	0.8	144	205	263	319	374	424	471	518	563
	1.0	156	220	281	340	397	449	499	547	595
	1.2	166	234	297	358	417	471	523	574	623
	1.4	175	246	312	375	436	492	546	598	649
	1.6	183	257	325	390	452	510	566	620	673
	1.8	190	267	337	404	468	528	585	641	695

Minimum design pressure: 0.20 bar. Maximum working pressure: Determined by the dripper limitations.

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

Orion™ PC 12060/12080/12100/12125 • ID 11.8 mm • Kd 0.32 • Flow rate 1.05 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%	0.8	71	93	111	126	139	151	162	171	179
	1.0	79	105	126	145	161	175	188	200	210
	1.2	87	115	139	160	178	195	210	223	236
	1.4	93	124	150	174	194	212	229	245	259
	1.6	99	132	161	186	208	228	246	264	279
	1.8	104	140	170	197	220	242	262	280	297

Flat terrain	0.8	78	106	130	153	174	194	212	230	247
	1.0	86	117	144	170	193	215	235	255	274
	1.2	93	126	156	184	209	232	255	276	297
	1.4	99	135	167	196	223	248	272	295	317
	1.6	104	143	176	207	235	262	287	311	335
	1.8	109	149	185	217	247	275	302	327	351

Downhill 2%	0.8	85	119	151	181	210	239	266	293	321
	1.0	92	129	163	196	226	256	286	314	342
	1.2	99	138	174	208	240	272	302	331	360
	1.4	104	146	183	219	253	285	317	347	377
	1.6	110	153	192	229	264	298	330	362	393
	1.8	114	159	200	238	274	309	342	375	407

Minimum design pressure: 0.20 bar. Maximum working pressure: Determined by the dripper limitations.

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

Orion™ PC 12060/12080/12100/12125 • ID 11.8 mm • Kd 0.32 • 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%	0.8	55	73	88	101	113	123	132	140	148
	1.0	62	82	100	115	128	141	152	162	172
	1.2	67	90	109	127	142	155	168	180	191
	1.4	72	97	118	137	153	169	182	196	208
	1.6	76	103	125	146	163	180	195	210	223
	1.8	80	108	132	154	173	190	207	222	237
Flat terrain	0.8	59	80	100	117	133	148	162	176	189
	1.0	65	89	110	130	147	164	180	195	209
	1.2	71	96	119	140	160	178	194	212	227
	1.4	75	103	127	150	170	190	208	225	242
	1.6	79	109	134	158	179	200	219	239	256
	1.8	83	114	141	166	188	210	230	249	268
Downhill 2%	0.8	63	88	111	133	154	174	194	213	232
	1.0	69	96	121	145	167	188	209	230	249
	1.2	74	103	129	154	178	200	222	243	264
	1.4	78	109	137	163	187	211	234	256	277
	1.6	82	114	144	171	196	221	244	267	290
	1.8	86	119	150	178	204	230	254	278	301

Minimum design pressure: 0.20 bar. Maximum working pressure: Determined by the dripper limitations.

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

Orion™ PC 16060/16080/16100/16125 • ID 16.2 mm • Kd 0.08 • Flow rate 0.50 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%	0.8	174	207	228	244	254	263	269	274	277
	1.0	204	247	277	300	316	330	340	348	355
	1.2	229	281	319	348	370	389	403	415	425
	1.4	251	311	355	390	418	441	460	476	489
	1.6	270	337	388	428	461	489	512	531	548
	1.8	287	360	417	463	500	532	559	582	603
Flat terrain	0.8	237	314	382	444	500	554	605	653	700
	1.0	263	348	424	492	555	615	671	725	777
	1.2	285	377	459	533	602	666	727	786	842
	1.4	304	403	490	569	643	711	777	839	899
	1.6	321	426	518	602	679	752	821	887	950
	1.8	337	447	543	631	713	789	862	931	997
Downhill 2%	0.8	305	428	538	644	745	843	939	1033	1126
	1.0	325	454	569	679	784	886	986	1084	1179
	1.2	343	477	597	711	820	925	1028	1128	1227
	1.4	359	497	622	739	851	960	1066	1169	1270
	1.6	374	516	644	765	881	992	1101	1206	1310
	1.8	387	534	666	790	908	1022	1133	1241	1347

Minimum design pressure: 0.20 bar. Maximum working pressure: Determined by the dripper or by the dripline wall-thickness 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. dripline length (meter) at different inlet pressure and different slopes

Orion™ PC 16060/16080/16100/16125 • ID 16.2 mm • Kd 0.08 • Flow rate 1.05 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%	0.8	122	152	174	192	206	218	227	235	242
	1.0	140	176	204	227	245	262	275	287	297
	1.2	155	196	229	257	279	299	316	331	345
	1.4	168	214	251	282	308	332	352	370	386
	1.6	179	230	270	305	335	361	384	405	424
	1.8	190	244	288	326	358	387	413	437	458

Flat terrain	0.8	147	195	238	276	311	345	377	407	436
	1.0	163	217	264	306	346	383	418	452	484
	1.2	177	235	286	332	374	415	453	490	524
	1.4	189	251	305	354	400	443	484	523	560
	1.6	199	265	322	375	423	468	511	553	592
	1.8	209	278	338	393	443	491	537	580	621

Downhill 2%	0.8	173	241	306	368	425	479	530	581	631
	1.0	187	259	326	391	451	507	562	615	666
	1.2	199	274	344	412	473	532	589	644	697
	1.4	210	288	361	430	494	554	613	670	726
	1.6	219	301	376	447	513	575	636	694	752
	1.8	228	312	390	463	530	595	657	717	776

Minimum design pressure: 0.20 bar. Maximum working pressure: Determined by the dripper or by the dripline wall-thickness limitations.

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

Orion™ PC 16060/16080/16100/16125 • ID 16.2 mm • Kd 0.08 • 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%	0.8	98	124	144	161	175	186	197	206	214
	1.0	111	142	166	187	205	220	234	246	256
	1.2	122	157	185	209	230	248	264	279	292
	1.4	132	170	201	228	251	272	291	309	324
	1.6	140	182	216	245	271	294	315	335	352
	1.8	148	192	229	261	289	314	337	358	377

Flat terrain	0.8	112	149	182	211	238	264	288	311	333
	1.0	124	165	201	234	264	293	319	346	370
	1.2	135	179	218	254	286	317	346	374	401
	1.4	144	191	233	271	305	339	370	400	428
	1.6	152	202	246	286	323	358	390	422	452
	1.8	159	212	258	300	339	375	410	443	475

Downhill 2%	0.8	127	176	221	265	307	348	388	425	460
	1.0	138	190	238	284	328	370	412	450	487
	1.2	148	202	252	300	346	390	433	473	512
	1.4	156	213	265	315	362	408	452	493	534
	1.6	164	223	277	329	377	424	470	512	554
	1.8	171	232	288	341	391	440	486	530	572

Minimum design pressure: 0.20 bar. Maximum working pressure: Determined by the dripper or by the dripline wall-thickness limitations.

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

Orion™ PC 22060/22080/22100/22125 • ID 22.2 mm • Kd 0.05 • Flow rate 0.50 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%	0.6	173	185	191	194	196	197	198	198	198
	0.8	236	261	274	282	286	289	292	293	294
	1.0	288	327	349	363	371	377	382	385	388
	1.2	333	385	416	437	451	461	468	473	477
Flat terrain	0.6	355	470	570	662	746	825	901	973	1042
	0.8	411	543	660	766	863	956	1042	1126	1206
	1.0	455	602	731	849	958	1060	1157	1249	1338
	1.2	493	653	792	920	1038	1149	1254	1354	1450
Downhill 2%	0.6	547	771	984	1191	1391	1588	1782	1973	2162
	0.8	585	820	1042	1257	1465	1668	1869	2066	2260
	1.0	618	862	1093	1314	1529	1738	1944	2147	2346
	1.2	647	900	1138	1366	1586	1801	2011	2219	2423

Minimum design pressure: 0.20 bar. Maximum working pressure: Determined by the dripline wall-thickness 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. dripline length (meter) at different inlet pressure and different slopes

Orion™ PC 22060/22080/22100/22125 • ID 22.2 mm • Kd 0.05 • Flow rate 1.05 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%	0.6	142	162	173	180	185	188	190	193	194
	0.8	183	215	236	250	260	267	274	277	281
	1.0	215	258	288	310	326	338	347	355	361
	1.2	242	295	333	361	383	400	414	426	435
Flat terrain	0.6	221	292	355	412	464	514	561	606	649
	0.8	255	338	410	476	538	595	650	701	751
	1.0	283	374	455	528	596	660	720	778	833
	1.2	306	406	493	573	646	715	781	843	903
Downhill 2%	0.6	308	434	548	658	763	867	967	1067	1165
	0.8	333	466	586	701	812	920	1025	1129	1230
	1.0	354	493	619	739	854	966	1074	1182	1287
	1.2	373	518	648	772	891	1007	1119	1229	1337

Minimum design pressure: 0.20 bar. Maximum working pressure: Determined by the dripline wall-thickness 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. dripline length (meter) at different inlet pressure and different slopes

Orion™ PC 22060/22080/22100/22125 • ID 22.2 mm • Kd 0.05 • 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%	0.6	121	143	157	167	173	178	182	185	187
	0.8	151	184	206	223	236	246	254	260	265
	1.0	176	216	246	270	288	303	315	326	334
	1.2	196	244	280	310	333	352	369	383	395
Flat terrain	0.6	168	223	271	315	355	393	429	464	496
	0.8	195	258	313	364	410	454	496	536	574
	1.0	216	286	348	404	455	504	550	595	637
	1.2	233	310	376	437	494	547	597	644	690
Downhill 2%	0.6	219	312	397	475	549	622	692	761	829
	0.8	240	338	427	509	587	664	738	810	881
	1.0	257	359	453	539	620	699	777	852	926
	1.2	273	379	476	565	650	732	811	889	966

Minimum design pressure: 0.20 bar. Maximum working pressure: Determined by the dripline wall-thickness limitations.

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