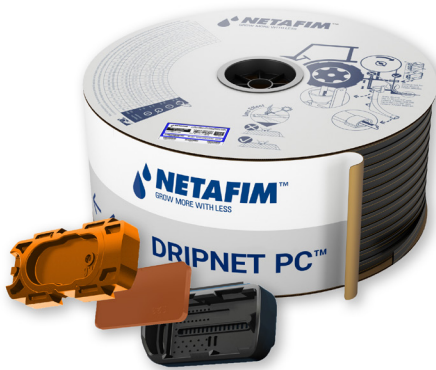


# DripNet PC™ AS XR TWD & MWD

Integral compact pressure-compensated, anti-siphon mechanism and root intrusion protection dripper, for semi-permanent drip applications, for growers who seek quick ROI. Ideal for field crops in sub surface applications that require high-level root intrusion protection.

→ 12125 - 12150 - 12200 - 12250 - 16125 - 16150  
16200 - 16250 - 16008 - 22135 - 22150 - 22250



Root intrusion protection



Pressure-compensated



Anti-siphon mechanism

## / Benefits & Features

- Extra root intrusion protection (XR) Drippers are protected against root intrusion better than all other options, utilizing a patented root inhibitor within the dripper cover that prevents root intrusion into the dripper labyrinth. Better protection against root intrusion without reliance on chemicals. Long-lasting protection due to non-migrating active ingredients embedded in the dripper cover.
- Pressure-compensated Precise and equal amounts of water delivered over a broad pressure range, ensuring 100% uniformity of water and nutrient distribution along the laterals.
- Anti-siphon mechanism Prevents contaminants from being drawn into the dripper, making it ideal for sub surface applications.
- Continuously self-flushing Flushes debris throughout operation, while ensuring constant dripper operation even in challenging water quality.
- Wide filtration area Ensures optimal performance even under harsh water conditions, preventing the entrance of sediment into the labyrinths.
- Wide water passages TurboNet™ labyrinth ensures wide water passages, large deep and wide cross-section that improves clogging resistance. The water is drawn into the dripper from the stream center, preventing the entrance of sediments into the drippers.

# / Specifications

- Pressure-compensated range according to table below.
- Recommended filtration: depending on dripper flow rate. Filtration method selected based on the kind and concentration of dirt particles contained in the water. Wherever sand exceeding 2 ppm exists in the water, a Hydrocyclone should be installed before the main filter. Where sand/silt/clay solids exceed 100 ppm, pre treatment it should be applied following Netafim™ expert instructions.
- TurboNet™ labyrinth with large water passage.
- Weldable into thin and medium wall driplines (0.31, 0.34, 0.38, 0.50, 0.63, 0.80 mm).
- Injected dripper, very low CV with injected silicon diaphragm.
- High UV resistant. Resistant to standard nutrients used in agriculture.
- Compliance ISO 9261 international standards.
- DripNet PC™ TWD driplines are available with hole or flap outlet. DripNet PC™ MWD can be available with flap outlet only in part of the wall thicknesses and in few markets, Please consult your local Netafim™ representative for availability.

## → Drippers technical data

Flow rate* (l/h)	Working pressure range (bar)	Water passages dimensions width-depth-length (mm)	Filtration area (mm <sup>2</sup> )	Constant K	Exponent* X	Recommended filtration (micron)/(mesh)
0.60	0.25 - 2.5	0.52 x 0.60 x 22	42	0.60	0	130/120
1.00	0.40 - 3.0	0.61 x 0.60 x 8	42	1.00	0	130/120
1.60	0.40 - 3.0	0.76 x 0.73 x 8	42	1.60	0	200/80
2.00	0.40 - 3.5	0.76 X 0.88 x 8	42	2.00	0	200/80
3.00	0.40 - 3.5	1.02 x 0.88 x 8	42	3.00	0	200/80
3.50	0.60 - 3.5	1.02 x 0.88 x 8	42	3.50	0	200/80
3.80	0.60 - 3.5	1.02 x 0.88 x 8	42	3.80	0	200/80

\* Within working pressure range

## → Driplines technical data

Model	Inside diameter (mm)	Wall thickness (mm)	Outside diameter (mm)	Max. working pressure (bar)	Max. flushing pressure (bar)	KD
12125	11.80	0.31	12.42	2.5	2.9	1.35
12150	11.80	0.38	12.56	3.0	3.5	1.35
12200	11.80	0.50	12.80	3.0	3.9	1.35
12250	11.80	0.63	13.06	3.0	3.9	1.35
16125	16.20	0.31	16.82	1.8	2.1	0.40
16150	16.20	0.38	16.96	2.2	2.5	0.40
16200	15.50	0.50	16.50	2.5	3.3	0.55
16250	15.50	0.63	16.76	2.8	3.6	0.55
16008	14.20	0.80	15.80	3.0	3.9	0.72
22135	22.20	0.34	22.88	1.5	1.7	0.18
22150	22.20	0.38	22.96	1.8	2.1	0.18
22250	22.20	0.63	23.46	2.5	2.9	0.18

→ Driplines package data (on carton coil)

Model	Wall thickness (mm)	Distance between drippers (m)	Coil length (m)	Average* coil weight (kg)	Coils per pallet (units)	Coils in a 40 feet container (units)	Total in a 40 feet container (m)
12125	0.31	0.15 to 0.19	900	14.3	12	480	432000
		0.20 to 0.35	1000	13.6			480000
		0.40 to 1.00	1000	13.0			480000
12150	0.38	0.15 to 0.19	600	11.1	12	480	288000
		0.20 to 0.35	700	11.3			336000
		0.40 to 1.00	700	10.9			336000
12200	0.50	0.15 to 0.19	650	14.9	12	480	312000
		0.20 to 0.35	750	15.4			360000
		0.40 to 1.00	850	17.4			408000
12250	0.63	0.15 to 0.19	600	16.7	12	480	288000
		0.20 to 0.35	700	17.8			336000
		0.40 to 1.00	800	19.9			384000
16125	0.31	0.15 to 0.19	1000	20.3	12	480	480000
		0.20 to 0.35	1150	21.3			552000
		0.40 to 1.00	1300	22.7			624000
16150	0.38	0.15 to 0.19	900	21.2	12	480	432000
		0.20 to 0.35	1000	21.1			480000
		0.40 to 1.00	1200	25.6			576000
16200	0.50	0.15 to 0.19	750	19.9	12	480	360000
		0.20 to 0.35	800	19.6			384000
		0.40 to 1.00	850	19.1			408000
16250	0.63	0.15 to 0.19	700	26.5	12	480	336000
		0.20 to 0.35	800	26.9			384000
		0.40 to 1.00	800	26.1			384000
16008	0.80	0.15 to 0.19	450	19.4	12	480	216000
		0.20 to 0.35	500	21.0			240000
		0.40 to 1.00	500	21.0			240000
22135	0.34	0.15 to 0.19	750	22.1	12	480	360000
		0.20 to 0.35	800	21.6			384000
		0.40 to 1.00	950	24.5			456000
22150	0.38	0.15 to 0.19	650	21.1	12	480	312000
		0.20 to 0.35	750	22.4			360000
		0.40 to 1.00	850	24.4			408000
22250	0.63	0.15 to 0.19	450	26.6	12	480	216000
		0.20 to 0.35	500	28.0			240000
		0.40 to 1.00	500	27.4			240000

\* Calculated weight average. For further details see "Average Coil Weight Disclaimer".

## / Drippers flow rate vs working pressure

In order to calculate the right flow rate of each dripper, under different working pressures, we use the following formula:

$$Q = K * P^X$$

Where:

Q = Dripper flow rate (liters/hour)

K = Constant (each dripper has his singular constant and must be defined by the dripper producer)

P = Real working pressure (meter)

X = Exponent (each dripper has its singular exponent and must be declared and defined by the dripper producer)

\*ISO 9261 require from the manufacturer to declare the constant K and dripper exponent

In all Netafim™ pressure-compensated drippers - including DripNet PC™ (shown in this document) – the dripper exponent X is equal to 0 [zero] (within the pressure range defined for each of the drippers), so the right flow rate of the dripper will be always equal (+/- 7% as defined by the international standard: ISO 9261).

Each dripper has a compensation range which includes minimum and maximum pressure; under the minimum pressure defined, the dripper will perform as non-pressure-compensated dripper and provide flow that increases with the pressure increase until reaching the minimum defined limit working pressure.

If the Netafim™ pressure-compensated drippers are exposed to a higher pressure than the defined maximum pressure, the drippers will continue to regulate the flow rate, but become more sensitive to clogging, usually the maximum working pressure of the drippers are determined by the driplines limitations (diameter and wall thickness) and most importantly the pipe and its associated connections.

## / Max. lateral length

Flow Variation (FV) expresses the flow variation between the dripper “sensing” the highest pressure and the one “sensing” the lowest pressure in an irrigation block (zone).

These drippers will not always be the first and last drippers on the dripline.

$$FV \% = (Q_{max} - Q_{min}) / Q_{max} * 100$$

\*International standards define 10% flow variation to be considered as uniform irrigation.

In order to calculate the maximum run lengths that can be planned for specific dripline (considering all the hydraulic factors influencing the flow within the same dripline), we use a calculation software that was developed by Netafim™ based on Darcy-Waisbach formulas + years of design experience and cooperation with academic institutes.

All the tables presented in this document are for initial reference only; the exact run length of the driplines is obtained from design software that considers various hydraulic factors in the entire system.

There might be small variance between the different software's in the market due to the calculation method and assumptions each software is using. For an initial estimate of the dripline length, the data that is presented in this document (within the tables shown) is sufficiently accurate.

As we have already seen, pressure-compensated drippers of Netafim™ will provide equal flow irrespective of the working pressure, therefore, the factors that are affecting the dripline run lengths will be: the dripline inlet pressure, the minimum working pressure set for the dripper and the slope.

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

DripNet PC™ AS XR 12125/12150/12200/12250 • ID 11.8 mm • Kd 1.35 • Flow rate 0.60 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	77	105	129	148	164	179	191	202	211
	1.5	98	137	170	198	224	246	267	285	302
	2.0	114	159	198	234	266	295	321	345	367
	2.5	126	176	222	262	299	333	364	392	419
Flat terrain	1.0	86	122	156	188	217	245	272	298	323
	1.5	105	151	192	232	268	303	337	368	399
	2.0	120	171	219	264	306	346	384	420	456
	2.5	131	188	240	290	336	380	422	463	501
Downhill 2%	1.0	94	139	184	228	272	315	358	401	444
	1.5	112	165	216	266	314	362	409	455	501
	2.0	126	184	240	294	347	398	449	499	547
	2.5	137	200	260	318	374	428	482	535	586

Minimum considered pressure 0.4 bar

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

DripNet PC™ AS XR 12125/12150/12200/12250 • ID 11.8 mm • Kd 1.35 • 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	57	79	98	114	128	141	153	163	172
	1.5	72	101	126	149	169	188	206	221	236
	2.0	82	116	146	174	199	222	243	263	281
	2.5	91	129	162	194	222	249	273	296	318
	3.0	98	139	176	210	241	270	298	323	347
Flat terrain	1.0	61	88	112	135	156	176	196	214	232
	1.5	75	108	138	166	193	218	242	265	287
	2.0	85	122	157	189	220	249	276	302	328
	2.5	94	134	172	208	241	273	303	332	360
	3.0	101	144	185	223	259	293	326	357	387
Downhill 2%	1.0	65	96	126	156	184	212	240	268	295
	1.5	79	115	150	184	216	248	279	310	340
	2.0	89	129	168	205	241	275	309	342	375
	2.5	97	140	182	222	260	298	334	369	404
	3.0	103	150	194	237	277	316	355	394	434

Minimum considered pressure 0.4 bar. Max. working pressure according the dripline wall thickness definition.

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

DripNet PC™ AS XR 12125/12150/12200/12250 • ID 11.8 mm • Kd 1.35 • 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	43	60	75	88	100	111	121	130	138
	1.5	53	75	95	113	130	144	158	172	184
	2.0	61	87	110	131	151	169	186	202	217
	2.5	67	96	122	146	167	188	207	225	243
	3.0	72	103	131	157	181	204	225	245	264
Flat terrain	1.0	45	65	82	99	115	130	145	158	171
	1.5	55	79	102	123	142	160	178	195	212
	2.0	63	90	116	139	161	183	203	223	242
	2.5	69	99	127	153	178	201	224	246	266
	3.0	74	106	136	164	191	216	240	264	286
Downhill 2%	1.0	47	69	90	111	130	150	169	187	206
	1.5	57	83	108	132	155	177	198	220	241
	2.0	64	94	121	148	173	197	222	245	268
	2.5	70	102	132	161	188	215	240	266	290
	3.0	75	109	141	172	200	229	256	283	308

Minimum considered pressure 0.4 bar. Max. working pressure according the dripline wall thickness definition

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

DripNet PC™ AS XR 12125/12150/12200/12250 • ID 11.8 mm • Kd 1.35 • 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	37	52	66	78	88	98	107	116	123
	1.5	46	66	83	99	113	127	139	151	163
	2.0	53	75	96	114	131	148	162	177	190
	2.5	58	83	106	127	146	164	182	197	213
	3.0	63	90	114	137	158	179	197	215	232
Flat terrain	1.0	39	56	71	86	100	113	125	137	149
	1.5	48	68	88	106	123	139	154	169	184
	2.0	54	78	100	121	140	158	176	194	209
	2.5	59	86	110	133	154	174	194	212	230
	3.0	64	92	118	143	166	188	209	229	248
Downhill 2%	1.0	41	59	77	95	111	127	143	159	174
	1.5	49	71	92	113	133	151	170	187	205
	2.0	55	80	104	127	148	169	190	210	229
	2.5	61	88	114	138	161	184	206	228	248
	3.0	65	94	122	148	173	197	220	243	265

Minimum considered pressure 0.4 bar. Max. working pressure according the dripline wall thickness definition

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

DripNet PC™ AS XR 12125/12150/12200/12250 • ID 11.8 mm • Kd 1.35 • 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	29	41	51	61	70	78	86	93	100
	1.5	36	51	64	77	89	100	110	120	129
	2.0	41	58	74	89	103	116	127	140	150
	2.5	45	64	82	98	113	128	142	155	167
	3.0	48	69	88	106	123	139	154	167	181
Flat terrain	1.0	30	43	55	66	77	87	96	105	114
	1.5	37	53	67	82	94	107	119	131	141
	2.0	42	60	77	93	107	122	135	149	161
	2.5	46	65	84	102	118	134	149	164	177
	3.0	49	71	90	110	127	144	161	176	191
Downhill 2%	1.0	31	45	58	71	83	95	107	119	130
	1.5	37	54	70	86	100	114	128	141	154
	2.0	42	61	79	96	113	128	143	158	173
	2.5	46	67	86	105	123	140	156	172	188
	3.0	50	72	93	113	131	150	167	185	201

Minimum considered pressure 0.4 bar. Max. working pressure according the dripline wall thickness definition

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

DripNet PC™ AS XR 12125/12150/12200/12250 • ID 11.8 mm • Kd 1.35 • 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	22	32	40	47	53	60	66	70	75
	1.5	30	43	54	65	74	83	92	100	108
	2.0	35	50	64	77	88	99	110	120	129
	2.5	39	56	71	86	99	111	123	135	145
	3.0	42	61	78	93	108	122	134	148	159
Flat terrain	1.0	23	33	43	52	59	67	75	82	89
	1.5	31	44	56	68	79	90	100	109	118
	2.0	36	51	66	80	92	104	116	128	138
	2.5	40	57	73	89	103	116	130	142	154
	3.0	43	62	79	96	112	126	141	154	167
Downhill 2%	1.0	24	35	46	56	66	76	85	94	103
	1.5	31	46	59	72	84	96	107	119	129
	2.0	36	53	68	83	97	110	123	136	148
	2.5	40	58	75	91	107	121	135	149	163
	3.0	43	63	81	99	115	131	146	161	175

Minimum considered pressure 0.6 bar. Max. working pressure according the dripline wall thickness definition

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

DripNet PC™ AS XR 12125/12150/12200/12250 • ID 11.8 mm • Kd 1.35 • 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	21	30	38	45	51	57	62	68	72
	1.5	28	41	51	62	71	79	87	95	103
	2.0	33	47	60	73	84	95	104	113	123
	2.5	37	53	68	81	94	106	117	128	138
	3.0	40	58	74	89	103	116	128	140	151
Flat terrain	1.0	22	32	40	49	56	64	71	78	84
	1.5	29	42	54	65	75	85	94	104	112
	2.0	34	49	62	76	88	99	110	121	131
	2.5	37	54	69	84	97	111	122	135	146
	3.0	41	59	75	91	106	120	133	146	159
Downhill 2%	1.0	23	33	43	53	62	71	80	88	97
	1.5	30	43	56	68	79	90	102	112	122
	2.0	34	50	64	78	91	104	116	128	140
	2.5	38	55	71	86	101	115	128	141	154
	3.0	41	59	77	93	109	124	138	152	166

Minimum considered pressure 0.6 bar. Max. working pressure according the dripline wall thickness definition

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

DripNet PC™ AS XR 16125/16150 • ID 16.2 mm • Kd 0.40 • Flow rate 0.60 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	141	178	204	223	237	248	256	263	268
	1.4	180	234	276	308	334	356	374	389	401
	1.8	209	275	329	373	409	440	466	488	508
	2.2	232	309	372	425	469	508	542	571	597
Flat terrain	1.0	176	244	305	361	413	461	508	552	594
	1.4	210	292	365	432	494	553	609	662	713
	1.8	236	328	411	487	557	624	686	746	804
	2.2	257	358	449	532	609	682	750	816	879
Downhill 2%	1.0	211	313	414	513	612	706	**	**	**
	1.4	240	351	459	564	668	767	**	**	**
	1.8	263	382	496	607	715	818	**	**	**
	2.2	283	408	528	643	755	863	**	**	**

Minimum considered pressure 0.4 bar. Max. working pressure according the dripline wall thickness definition  
 Due to lateral filling time and flushing effectiveness it is not recommended to exceed 800 meters lateral length

\*\* In such a cases where the head losses are minor, due to low flow rate associated with wide drippers spacing and positive slope (downhill), the driplines lengths are exceeding the maximum lengths that we determined to achieve effective lateral flushing. In these cases, if possible, is recommended to choose driplines with smaller diameter



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

DripNet PC™ AS XR 16125/16150 • ID 16.2 mm • Kd 0.40 • 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	108	140	166	185	201	214	225	233	241
	1.4	135	179	215	245	271	292	310	327	341
	1.8	155	208	252	290	322	351	376	399	419
	2.2	171	232	282	326	365	399	430	457	482
Flat terrain	1.0	126	175	219	260	297	333	366	398	428
	1.4	150	209	262	311	356	398	438	477	514
	1.8	169	236	295	350	401	449	494	537	579
	2.2	184	257	322	382	438	491	540	588	633
Downhill 2%	1.0	144	211	276	339	401	463	523	584	644
	1.4	166	240	311	379	446	511	576	639	702
	1.8	183	263	339	412	482	552	619	685	751
	2.2	197	283	363	440	514	586	656	725	793

Minimum considered pressure 0.4 bar. Max. working pressure according the dripline wall thickness definition

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

DripNet PC™ AS XR 16125/16150 • ID 16.2 mm • Kd 0.40 • 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	83	110	132	150	166	179	190	200	208
	1.4	102	138	168	193	215	235	253	268	283
	1.8	117	159	194	226	253	277	300	320	339
	2.2	129	176	216	252	283	312	338	362	384
Flat terrain	1.0	93	129	162	192	220	246	270	294	317
	1.4	111	154	194	230	263	294	324	353	380
	1.8	124	173	218	258	296	332	366	398	428
	2.2	136	189	238	282	323	363	399	435	468
Downhill 2%	1.0	103	149	192	235	277	317	357	397	436
	1.4	119	171	220	267	312	356	399	442	483
	1.8	132	188	242	292	340	388	434	478	522
	2.2	143	203	260	314	365	414	462	509	556

Minimum considered pressure 0.4 bar. Max. working pressure according the dripline wall thickness definition

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

DripNet PC™ AS XR 16125/16150 • ID 16.2 mm • Kd 0.40 • 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	73	98	118	135	149	162	173	183	192
	1.4	89	121	148	172	192	210	226	242	256
	1.8	102	139	171	199	224	246	267	286	303
	2.2	112	153	189	221	250	276	300	322	342
Flat terrain	1.0	80	112	140	166	190	213	234	255	275
	1.4	96	134	168	199	227	255	281	306	329
	1.8	107	150	188	224	256	287	317	345	371
	2.2	117	164	206	244	280	314	346	376	406
Downhill 2%	1.0	88	126	163	199	233	267	299	332	364
	1.4	102	146	187	227	265	301	337	373	407
	1.8	113	161	206	249	290	329	367	405	442
	2.2	122	174	222	268	311	353	394	433	472

Minimum considered pressure 0.4 bar. Max. working pressure according the dripline wall thickness definition

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

DripNet PC™ AS XR 16125/16150 • ID 16.2 mm • Kd 0.40 • 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	57	77	94	109	122	133	143	153	161
	1.4	70	95	117	137	154	169	184	197	210
	1.8	79	109	134	158	178	197	214	230	246
	2.2	87	120	148	175	197	219	239	257	275
Flat terrain	1.0	62	86	108	128	146	164	181	196	212
	1.4	73	103	129	153	175	197	217	236	254
	1.8	82	115	145	172	197	221	244	266	286
	2.2	90	126	158	188	216	242	266	291	313
Downhill 2%	1.0	66	95	121	147	172	196	219	242	265
	1.4	77	110	140	170	197	224	250	275	300
	1.8	86	122	155	187	217	246	274	302	328
	2.2	93	132	168	202	234	265	294	324	352

Minimum considered pressure 0.4 bar. Max. working pressure according the dripline wall thickness definition

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

DripNet PC™ AS XR 16125/16150 • ID 16.2 mm • Kd 0.40 • 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	44	59	72	83	92	100	107	113	120
	1.4	58	79	98	114	128	141	152	163	173
	1.8	68	93	115	135	152	168	183	197	210
	2.2	75	104	129	151	172	190	207	223	239
Flat terrain	1.0	48	67	84	100	115	128	141	153	165
	1.4	61	86	108	128	146	164	181	196	212
	1.8	71	99	124	147	169	189	208	227	244
	2.2	78	109	137	163	187	209	231	251	271
Downhill 2%	1.0	52	75	97	118	137	158	177	195	214
	1.4	65	92	118	142	165	188	210	230	252
	1.8	73	104	133	160	185	210	234	257	280
	2.2	80	114	145	175	202	229	254	280	304

Minimum considered pressure 0.6 bar. Max. working pressure according the dripline wall thickness definition

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

DripNet PC™ AS XR 16125/16150 • ID 16.2 mm • Kd 0.40 • 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	42	57	69	79	88	97	103	110	115
	1.4	55	75	93	108	122	134	146	157	166
	1.8	64	89	110	128	145	160	175	188	201
	2.2	71	99	122	144	163	181	198	213	228
Flat terrain	1.0	46	64	80	95	109	121	134	146	157
	1.4	58	81	102	121	139	155	171	186	201
	1.8	67	93	117	140	160	179	198	215	232
	2.2	74	103	130	155	177	199	219	239	257
Downhill 2%	1.0	49	71	91	111	130	148	166	184	201
	1.4	61	87	111	134	155	177	198	217	237
	1.8	69	98	126	151	175	198	221	243	264
	2.2	76	108	137	165	191	216	240	264	286

Minimum considered pressure 0.6 bar. Max. working pressure according the dripline wall thickness definition

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

DripNet PC™ AS XR 16200/16250 • ID 15.5 mm • Kd 0.55 • Flow rate 0.60 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	134	170	196	215	230	241	250	257	263
	1.6	184	242	288	326	357	383	405	424	441
	2.2	218	292	352	402	445	483	516	545	571
	2.8	246	330	401	462	515	561	603	641	675
Flat terrain	1.0	164	228	284	336	384	429	472	513	552
	1.6	209	290	363	430	491	550	604	657	707
	2.2	241	335	418	496	567	634	698	759	817
	2.8	266	370	463	549	628	703	774	841	906
Downhill 2%	1.0	196	288	379	469	557	645	**	**	**
	1.6	234	339	440	538	634	728	**	**	**
	2.2	263	378	487	592	694	794	**	**	**
	2.8	286	410	526	638	745	850	**	**	**

Minimum considered pressure 0.4 bar. Max. working pressure according the dripline wall thickness definition  
 Due to lateral filling time and flushing effectiveness it is not recommended to exceed 800 meters lateral length

\*\* In such a cases where the head losses are minor, due to low flow rate associated with wide drippers spacing and positive slope (downhill), the driplines lengths are exceeding the maximum lengths that we determined to achieve effective lateral flushing. In these cases, if possible, is recommended to choose driplines with smaller diameter

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

DripNet PC™ AS XR 16200/16250 • ID 15.5 mm • Kd 0.55 • 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	102	133	157	177	193	205	216	226	233
	1.6	137	183	222	254	282	307	329	347	365
	2.2	161	218	266	308	344	377	406	433	457
	2.8	180	245	300	349	392	432	467	500	530
Flat terrain	1.0	118	164	204	242	277	309	340	370	398
	1.6	150	208	261	309	353	396	435	473	510
	2.2	172	240	300	356	408	456	502	546	589
	2.8	190	265	332	394	452	505	557	606	653
Downhill 2%	1.0	134	195	253	311	367	422	477	531	585
	1.6	163	234	301	365	427	489	548	607	665
	2.2	184	262	336	406	474	539	603	666	727
	2.8	201	286	365	440	512	582	650	716	780

Minimum considered pressure 0.4 bar. Max. working pressure according the dripline wall thickness definition

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

DripNet PC™ AS XR 16200/16250 • ID 15.5 mm • Kd 0.55 • 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	78	104	125	143	157	170	182	191	200
	1.6	103	140	171	198	222	243	262	280	296
	2.2	121	165	203	236	266	293	318	341	363
	2.8	134	185	228	267	301	333	362	390	415
Flat terrain	1.0	87	121	151	179	205	229	251	274	295
	1.6	110	154	192	228	261	292	322	350	377
	2.2	127	177	222	263	301	337	372	404	436
	2.8	140	196	245	291	334	374	411	448	483
Downhill 2%	1.0	95	137	178	216	254	291	326	363	398
	1.6	117	167	214	259	301	343	383	423	462
	2.2	133	189	241	290	337	382	426	469	511
	2.8	146	207	263	316	367	415	462	508	552

Minimum considered pressure 0.4 bar. Max. working pressure according the dripline wall thickness definition

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

DripNet PC™ AS XR 16200/16250 • ID 15.5 mm • Kd 0.55 • 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	69	92	111	128	142	154	165	175	183
	1.6	90	123	150	175	197	216	234	250	266
	2.2	105	144	178	208	235	259	282	303	322
	2.8	117	161	199	234	265	293	319	344	367
Flat terrain	1.0	75	104	130	155	177	198	218	237	255
	1.6	95	133	166	198	226	253	279	303	327
	2.2	110	153	192	228	261	293	322	350	377
	2.8	121	169	212	252	289	323	357	388	418
Downhill 2%	1.0	81	117	150	183	214	244	274	304	333
	1.6	101	143	183	221	256	291	325	358	391
	2.2	114	162	206	248	288	326	363	399	434
	2.8	125	177	226	271	314	355	394	433	470

Minimum considered pressure 0.4 bar. Max. working pressure according the dripline wall thickness definition

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

DripNet PC™ AS XR 16200/16250 • ID 15.5 mm • Kd 0.55 • 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	54	73	89	103	115	126	136	145	153
	1.6	70	96	118	139	157	173	188	203	215
	2.2	81	112	139	164	185	206	224	242	258
	2.8	90	125	156	183	208	231	253	273	292
Flat terrain	1.0	58	80	100	119	136	153	168	183	197
	1.6	73	102	128	152	174	195	215	234	252
	2.2	84	118	148	175	201	225	248	270	291
	2.8	93	130	163	194	223	249	274	299	322
Downhill 2%	1.0	61	88	112	136	158	181	202	222	243
	1.6	76	108	138	166	192	218	242	266	290
	2.2	87	123	156	188	217	245	273	299	325
	2.8	95	135	171	205	237	267	297	326	353

Minimum considered pressure 0.4 bar. Max. working pressure according the dripline wall thickness definition

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

DripNet PC™ AS XR 16200/16250 • ID 15.5 mm • Kd 0.55 • 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	39	53	66	76	85	93	100	106	112
	1.6	56	77	96	113	128	142	155	167	178
	2.2	66	92	116	137	156	174	190	205	220
	2.8	74	104	131	155	177	197	216	234	251
Flat terrain	1.0	42	60	75	90	103	116	128	140	150
	1.6	58	82	104	124	142	160	177	193	208
	2.2	68	97	122	146	168	189	209	228	246
	2.8	76	108	136	163	188	211	234	255	276
Downhill 2%	1.0	46	66	85	104	122	139	157	174	191
	1.6	60	87	111	135	157	179	199	220	239
	2.2	70	101	129	155	181	205	228	251	273
	2.8	78	112	142	172	199	226	251	276	300

Minimum considered pressure 0.6 bar. Max. working pressure according the dripline wall thickness definition

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

DripNet PC™ AS XR 16200/16250 • ID 15.5 mm • Kd 0.55 • 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	37	51	63	73	82	89	96	103	108
	1.6	53	74	92	108	122	136	148	159	170
	2.2	63	88	110	130	148	165	181	195	210
	2.8	71	99	124	147	168	188	206	223	240
Flat terrain	1.0	40	56	71	85	98	110	122	132	143
	1.6	55	78	98	118	135	152	168	183	197
	2.2	65	92	116	139	160	179	198	216	233
	2.8	72	102	130	155	178	200	222	242	261
Downhill 2%	1.0	43	62	80	98	115	131	147	163	179
	1.6	57	82	105	127	148	168	188	207	225
	2.2	67	95	122	147	170	193	215	237	258
	2.8	74	105	135	162	188	214	238	261	283

Minimum considered pressure 0.6 bar. Max. working pressure according the dripline wall thickness definition

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

DripNet PC™ AS XR 16008 • ID 14.2 • KD 0.72 • Flow rate 0.60 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	110	144	171	192	208	221	231	240	248
	1.5	143	193	234	268	296	321	342	361	378
	2.0	167	227	278	322	360	393	423	450	474
	2.5	185	254	314	365	410	451	487	520	551
Flat terrain	1.0	129	182	229	274	314	354	390	426	459
	1.5	159	224	283	338	389	438	484	527	570
	2.0	180	255	323	386	444	500	552	602	651
	2.5	198	280	355	424	489	550	608	663	717
Downhill 2%	1.0	148	220	296	383	488	648	**	**	**
	1.5	174	256	340	434	544	710	**	**	**
	2.0	194	283	374	473	589	760	**	**	**
	2.5	211	306	403	507	627	801	**	**	**

Minimum considered pressure 0.4 bar.

Due to lateral filling time and flushing effectiveness it is not recommended to exceed 800 meters lateral length

\*\* In such a cases where the head losses are minor, due to low flow rate associated with wide drippers spacing and positive slope (downhill), the driplines lengths are exceeding the maximum lengths that we determined to achieve effective lateral flushing. In these cases, if possible, is recommended to choose driplines with smaller diameter

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

DripNet PC™ AS XR 16008 • ID 14.2 • 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	82	111	134	153	169	183	194	204	213
	1.5	105	144	177	206	231	253	273	291	307
	2.0	122	168	208	244	275	303	329	353	374
	2.5	135	188	233	274	310	344	374	402	428
	3.0	146	204	254	299	340	377	412	444	474
Flat terrain	1.0	92	130	164	196	226	254	281	306	330
	1.5	113	161	203	243	280	314	348	380	410
	2.0	129	183	232	277	319	359	397	433	468
	2.5	136	197	255	311	369	429	493	563	647
	3.0	152	216	274	328	378	426	471	515	556
Downhill 2%	1.0	102	149	196	242	291	343	399	464	540
	1.5	122	177	229	281	335	391	452	519	599
	2.0	136	197	255	311	369	429	493	563	647
	2.5	148	214	276	336	397	461	527	601	687
	3.0	159	228	294	358	422	488	558	634	722

Minimum considered pressure 0.4 bar.

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

DripNet PC™ AS XR 16008 • ID 14.2 • 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	62	85	104	121	135	148	158	168	178
	1.5	79	109	136	159	179	198	215	231	245
	2.0	91	127	158	186	211	235	256	275	294
	2.5	101	140	176	208	236	263	288	311	333
	3.0	109	152	191	226	258	288	315	341	365
Flat terrain	1.0	68	96	121	145	167	188	207	226	244
	1.5	83	118	150	179	206	232	257	280	303
	2.0	95	134	170	204	235	265	293	320	346
	2.5	104	148	187	224	259	291	322	352	381
	3.0	112	159	202	242	279	314	348	380	411
Downhill 2%	1.0	73	106	138	169	199	229	259	292	324
	1.5	88	127	164	199	233	267	301	336	371
	2.0	99	142	183	222	259	296	333	370	408
	2.5	108	155	199	241	281	320	359	399	439
	3.0	115	166	213	258	300	341	382	424	466

Minimum considered pressure 0.4 bar.



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

DripNet PC™ AS XR 16008 • ID 14.2 • 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	107	121	132	142	152	161
	1.5	69	95	119	140	158	176	191	205	219
	2.0	79	110	138	163	185	207	226	244	260
	2.5	87	122	153	182	207	231	254	274	293
	3.0	94	132	166	197	226	252	277	300	321
Flat terrain	1.0	58	83	105	125	144	162	179	195	211
	1.5	72	102	129	155	178	201	222	242	262
	2.0	82	116	147	177	203	229	254	277	299
	2.5	90	128	162	194	224	252	279	305	330
	3.0	97	137	174	209	241	272	301	329	355
Downhill 2%	1.0	62	91	118	144	169	193	218	241	267
	1.5	75	109	140	170	199	227	254	281	309
	2.0	85	122	157	190	221	252	282	311	341
	2.5	93	133	171	207	241	274	306	337	369
	3.0	99	142	182	221	257	292	326	359	392

Minimum considered pressure 0.4 bar.

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

DripNet PC™ AS XR 16008 • ID 14.2 • 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	116	124	132
	1.5	53	74	93	110	125	139	153	165	176
	2.0	61	86	108	128	146	162	178	194	207
	2.5	67	95	119	142	162	181	199	216	232
	3.0	73	102	129	154	176	197	217	236	253
Flat terrain	1.0	45	63	80	96	111	125	138	150	163
	1.5	55	78	99	119	137	155	171	186	202
	2.0	63	89	113	136	157	176	195	213	230
	2.5	69	98	124	149	172	194	214	235	254
	3.0	74	105	134	161	185	209	231	253	274
Downhill 2%	1.0	47	68	88	107	125	143	161	177	194
	1.5	57	82	106	128	149	169	190	209	228
	2.0	64	92	119	144	167	190	212	233	254
	2.5	70	101	130	157	182	207	230	253	275
	3.0	76	108	139	168	194	221	246	270	294

Minimum considered pressure 0.4 bar.

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

DripNet PC™ AS XR 16008 • ID 14.2 • 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
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
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

Minimum considered pressure 0.6 bar.

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

DripNet PC™ AS XR 16008 • ID 14.2 • 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	31	44	54	63	71	78	85	91	96
	1.5	43	59	74	88	100	112	122	132	141
	2.0	50	70	88	105	120	134	147	159	171
	2.5	56	79	99	118	135	151	166	180	194
	3.0	61	86	108	129	148	165	182	198	213
Flat terrain	1.0	33	47	60	72	82	93	102	112	121
	1.5	44	62	79	95	110	123	137	149	161
	2.0	51	73	92	111	128	144	160	175	189
	2.5	57	81	103	124	142	160	178	194	210
	3.0	62	88	112	134	155	174	193	211	228
Downhill 2%	1.0	35	51	66	81	94	108	122	134	147
	1.5	46	65	84	102	119	135	151	167	182
	2.0	53	75	97	117	136	155	173	190	207
	2.5	58	83	107	129	150	170	190	209	227
	3.0	63	90	115	139	161	183	204	224	244

Minimum considered pressure 0.6 bar.

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

DripNet PC™ AS XR 22135/22150/22250 • ID 22.2 mm • Kd 0.18 • Flow rate 0.60 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	211	244	262	273	280	285	288	290	292
	1.5	303	370	414	445	466	482	494	502	510
	2.0	368	462	529	578	616	645	668	687	701
	2.5	420	535	622	688	741	783	818	846	870
Flat terrain	1.0	324	443	548	644	733	816	895	970	1043
	1.5	400	548	679	799	910	1014	1112	1206	1296
	2.0	456	625	775	913	1039	1159	1271	1379	1482
	2.5	501	688	854	1005	1145	1277	1402	1520	1634
Downhill 2%	1.0	445	669	**	**	**	**	**	**	**
	1.5	502	740	**	**	**	**	**	**	**
	2.0	547	797	**	**	**	**	**	**	**
	2.5	585	847	**	**	**	**	**	**	**

Minimum considered pressure 0.4 bar. Max. working pressure according the dripline wall thickness definition  
 Due to lateral filling time and flushing effectiveness it is not recommended to exceed 800 meters lateral length

\*\* In such a cases where the head losses are minor, due to low flow rate associated with wide drippers spacing and positive slope (downhill), the driplines lengths are exceeding the maximum lengths that we determined to achieve effective lateral flushing. In these cases, if possible, is recommended to choose driplines with smaller diameter

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

DripNet PC™ AS XR 22135/22150/22250 • ID 22.2 mm • Kd 0.18 • 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	172	209	232	249	259	267	274	278	281
	1.5	236	299	345	380	406	428	445	458	470
	2.0	281	363	426	476	517	551	579	603	623
	2.5	317	414	491	554	607	651	690	723	751
Flat terrain	1.0	232	318	394	464	527	588	645	699	752
	1.5	287	394	488	575	655	730	802	869	934
	2.0	327	449	558	657	748	834	916	994	1069
	2.5	360	494	614	723	824	920	1010	1095	1178
Downhill 2%	1.0	295	436	576	710	829	946	1059	1171	1281
	1.5	339	493	642	785	914	1039	1162	1281	1398
	2.0	374	538	696	846	983	1116	1245	1371	1494
	2.5	403	577	742	898	1043	1182	1317	1449	1577

Minimum considered pressure 0.4 bar. Max. working pressure according the dripline wall thickness definition  
 Due to lateral filling time and flushing effectiveness it is not recommended to exceed 800 meters lateral length

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

DripNet PC™ AS XR 22135/22150/22250 • ID 22.2 mm • Kd 0.18 • 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	138	173	198	217	231	242	251	257	263
	1.5	184	238	280	315	343	365	386	402	417
	2.0	216	284	339	385	423	456	486	511	534
	2.5	242	321	386	441	488	529	566	599	629
Flat terrain	1.0	171	235	291	343	390	435	478	518	557
	1.5	211	290	361	425	484	540	593	644	691
	2.0	241	331	412	485	553	617	678	735	791
	2.5	265	365	453	534	610	680	746	810	872
Downhill 2%	1.0	205	299	391	481	570	658	738	813	887
	1.5	240	345	445	542	637	729	814	896	976
	2.0	266	380	487	590	690	788	878	965	1050
	2.5	288	409	523	631	736	838	933	1024	1113

Minimum considered pressure 0.4 bar. Max. working pressure according the dripline wall thickness definition  
Due to lateral filling time and flushing effectiveness it is not recommended to exceed 800 meters lateral length

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

DripNet PC™ AS XR 22135/22150/22250 • ID 22.2 mm • Kd 0.18 • 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	123	157	182	201	215	228	237	245	252
	1.5	162	212	252	284	311	335	355	373	388
	2.0	190	251	302	344	381	413	441	466	489
	2.5	212	283	342	392	436	475	510	542	571
Flat terrain	1.0	148	203	252	297	338	377	414	449	482
	1.5	183	251	312	368	419	468	514	557	599
	2.0	208	287	356	420	479	535	587	637	685
	2.5	229	316	392	463	528	589	647	702	755
Downhill 2%	1.0	174	252	327	401	473	545	616	686	748
	1.5	204	292	375	456	534	610	686	760	826
	2.0	227	323	413	499	582	663	742	819	890
	2.5	247	349	444	536	623	708	790	871	946

Minimum considered pressure 0.4 bar. Max. working pressure according the dripline wall thickness definition  
Due to lateral filling time and flushing effectiveness it is not recommended to exceed 800 meters lateral length

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

DripNet PC™ AS XR 22135/22150/22250 • ID 22.2 mm • Kd 0.18 • 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	99	128	152	170	185	198	209	218	226
	1.5	128	170	204	233	258	280	299	317	332
	2.0	149	200	242	278	310	339	365	388	409
	2.5	166	223	272	314	352	386	417	445	471
Flat terrain	1.0	114	156	194	229	260	291	319	347	372
	1.5	140	193	240	284	323	361	396	430	462
	2.0	160	221	274	324	369	412	453	491	529
	2.5	176	243	302	357	407	454	499	542	583
Downhill 2%	1.0	129	185	238	291	341	391	440	489	537
	1.5	153	217	278	336	391	445	498	551	602
	2.0	171	242	308	370	430	488	545	600	654
	2.5	186	263	333	400	463	524	584	642	699

Minimum considered pressure 0.4 bar. Max. working pressure according the dripline wall thickness definition

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

DripNet PC™ AS XR 22135/22150/22250 • ID 22.2 mm • Kd 0.18 • 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	76	97	113	126	136	144	151	157	162
	1.5	108	143	171	195	215	234	250	264	277
	2.0	129	172	209	241	268	293	315	336	354
	2.5	145	195	238	276	308	339	366	391	414
Flat terrain	1.0	89	122	152	179	204	227	250	271	291
	1.5	118	163	202	239	272	303	334	362	389
	2.0	138	190	236	279	318	355	390	424	456
	2.5	154	212	264	311	355	396	435	473	508
Downhill 2%	1.0	103	149	193	236	278	319	360	401	441
	1.5	129	184	235	284	331	377	422	466	510
	2.0	148	209	265	319	370	420	469	516	563
	2.5	162	228	290	347	402	456	507	557	606

Minimum considered pressure 0.6 bar. Max. working pressure according the dripline wall thickness definition

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

DripNet PC™ AS XR 22135/22150/22250 • ID 22.2 mm • Kd 0.18 • 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	72	93	109	122	132	140	147	153	158
	1.5	102	136	164	187	207	225	241	255	267
	2.0	122	164	199	230	257	281	302	322	341
	2.5	138	186	227	263	295	324	350	374	397
Flat terrain	1.0	84	116	144	170	193	216	237	257	276
	1.5	112	154	192	226	258	288	316	343	369
	2.0	131	180	224	265	302	337	370	401	432
	2.5	146	201	250	295	337	376	413	448	482
Downhill 2%	1.0	97	140	181	221	260	298	337	374	412
	1.5	122	173	221	267	311	354	396	437	478
	2.0	139	197	250	300	349	396	441	485	529
	2.5	153	216	273	328	379	429	478	525	570

Minimum considered pressure 0.6 bar. Max. working pressure according the dripline wall thickness definition