

DRIPMAXX® PC

In-line, pressure compensating drip tube

Application

For use in viticultural, horticultural, greenhouse and landscape irrigation applications. Its pressure compensating ability makes it suitable for use in steep or undulating situations or where longer run lengths need to be achieved.

Features

- Large pre-entry filter area helps to screen water-borne particles.
- High clogging resistance
- Proven pressure compensating mechanism for long runs, steep and undulating terrain.

- Low entry pressure (50 kPa) into pressure compensating mode
- High uniformity of flow within compensating range.
- Four flow rates available
- Large pipe diameters available creating the ability to run the drip tube further.
- Diameters made to suit Australian standard fittings.
- Available with Rootguard® for superior protection against root intrusion in subsurface installations.



Specifications

	19mm	25mm
Nominal Diameter	19mm	25mm
Diameters ID	19mm	25mm
Flow Rates	1.2, 1.6, 2.1, 3.5 Lph	1.2, 1.6, 2.1, 3.5 Lph
Std. Wall Thickness	0.9mm	1mm
Compensating Range	50-400 kPa	50-400 kPa
Minimum Recommended Pressure	100 kPa	100 kPa
Maximum Pressure	350 kPa (0.9mm wall)	350 kPa (1mm wall)
Standard Coil Length	19mm – 350m Non-standard lengths for qualifying order	25mm – 350m Non-standard lengths for qualifying order
Standard emitter spacings	0.3, 0.4, 0.5, 0.6, 0.75, 0.9, 1.0, 1.5m	0.3, 0.4, 0.5, 0.6, 0.75, 0.9, 1.0, 1.5m

Design Information

Nominal Diam/Flow	19/1.2	19/1.6	19/2.1	19/3.5	25/1.2	25/1.6	25/2.1	25/3.5
ID (mm)	19	19	19	19	25	25	25	25
Emitter Index (in compensating range)	0	0	0	0	0	0	0	0
Emitter Constant	1.2	1.6	2.1	3.5	1.2	1.6	2.1	3.5
Emitter k _d barb factor	0.36	0.36	0.36	0.36	0.15	0.15	0.15	0.15
Roughness Factor, C	140	140	140	140	140	140	140	140
Minm Compensating Pressure (kPa)	50	50	50	50	50	50	50	50
Minimum Recommended Pressure (kPa)	100	100	100	100	100	100	100	100
Maximum Pressure (WT = 1mm)					350	350	350	350
Maximum Pressure (WT = 0.9mm)	350	350	350	350				
Filtration (micron) - sand	125	125	125	125	125	125	125	125

Ordering Information

X	C	a	bb	cc	dd	ee	-fff
	Pressure compensating	With or without Rootguard	ID	Wall thickness	Emitter flow	Spacing	Special coil length (m)
	0	Omit = without Rootguard	19 25	09 – 0.9mm 10 – 1mm	12 - 1.2 16 – 1.6 21 – 2.1 35 – 3.5	30, 40, 50, 75 90, 100, 150	

Example: XC190916100 – DripMaxx Pressure compensating, 19mm, 0.9mm wall thickness, 1.6 Lph emitter every 1.0 metre, standard coil length.
 Example : XCG25101630-220 – DripMaxx Pressure compensating with Rootguard, 25mm, 1.0mm wall thickness, 1.6 Lph emitter every 30cm, 220 metre coil length.
 Minimum Order Quantity: 5000 metres.

Emitter Spacing									
Diam/Flow	Inlet Pressure kPa	0.3m	0.4m	0.5m	0.6m	0.75m	0.9m	1.0m	1.5m
19/1.2									
	200	218	274	326	374	441	504	544	724
	250	251	315	375	430	508	581	626	834
	300	277	348	414	476	562	642	692	922
	350	299	376	447	514	607	693	748	996
19/1.6									
	200	181	227	270	310	366	418	451	599
	250	208	261	311	356	421	481	518	691
	300	229	288	343	394	465	531	573	764
	350	247	311	370	426	502	574	619	826
19/2.1									
	200	151	190	226	259	306	350	377	502
	250	174	219	260	298	352	403	435	579
	300	191	241	287	329	389	445	480	640
	350	207	260	310	356	421	480	518	691
19/3.5									
	200	108	136	162	185	219	250	270	359
	250	124	156	186	213	252	288	311	414
	300	137	172	205	236	279	318	344	458
	350	148	186	221	255	301	344	372	495
25/1.2									
	200	375	465	549	625	732	832	895	1181
	250	432	536	631	720	844	958	1031	1361
	300	477	592	698	795	932	1059	1139	1504
	350	515	640	754	860	1008	1145	1232	1627
25/1.6									
	200	311	386	455	518	607	689	742	979
	250	357	444	523	597	699	795	855	1129
	300	395	490	578	659	773	878	945	1247
	350	426	530	625	712	835	949	1022	1349
25/2.1									
	200	260	323	380	434	508	578	621	819
	250	299	372	438	500	585	665	716	945
	300	330	410	484	552	647	735	791	1045
	350	357	444	523	597	699	795	855	1130
25/3.5									
	200	186	231	272	311	364	414	446	587
	250	214	266	314	357	419	476	513	678
	300	236	294	347	395	464	526	567	749
	350	255	318	374	427	501	569	613	810

Note: Run lengths are based on a single drip tube, with no elevation change and a minimum operating pressure of 100 kPa at any emitter.