Application

For use in viticultural, horticultural, greenhouse and landscape irrigation applications. The pressure compensating mechanism 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.
- Flow rates available 1.2, 1.6, 2.1 and 3.5 Lph
- Large pipe diameters available creating the ability to run the drip tube further
- Diameters made to suit Australian standard fittings

Design Information												
Nominal Diam/Flow (Lph)	19/1.2	19/1.6	19/2.1	19/3.5	21/1.2	21/1.6	21/2.1	21/3.5	25/1.2	25/1.6	25/2.1	25/3.5
ID (mm)	19	19	19	19	20.8	20.8	20.8	20.8	25	25	25	25
Emitter Index (in compensating range)	0	0	0	0	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	1.2	1.6	2.1	3.5
Emitter k_d barb factor	0.36	0.36	0.36	0.36	0.24	0.24	0.24	0.24	0.15	0.15	0.15	0.15
Roughness Factor, C	140	140	140	140	140	140	140	140	140	140	140	140
Min. Compensating Pressure (kPa)	50	50	50	50	50	50	50	50	50	50	50	50
Minimum Recommended Pressure (kPa)	100	100	100	100	100	100	100	100	100	100	100	100
Maximum Pressure (WT = 1 mm)	-	-	-	-	-	-	-	-	300	300	300	300
Maximum Pressure (WT = 0.9 mm)	350	350	350	350	325	325	325	325	-	-	-	-
Filtration (micron) - sand	120	120	120	120	120	120	120	120	120	120	120	120

Specifications			
Nominal Diameter	19 mm	21 mm	25 mm
Diameters ID	19 mm	20.8 mm	25 mm
Flow Rates	1.2, 1.6, 2.1, 3.5 Lph	1.2, 1.6, 2.1, 3.5 Lph	1.2, 1.6, 2.1, 3.5 Lph
Std. Wall Thickness	0.9 mm	0.9 mm	1 mm
Compensating Range	50-350 kPa	50-350 kPa	50-350 kPa
Minimum Recommended Pressure	100 kPa	100 kPa	100 kPa
Maximum Pressure	350 kPa (0.9 mm wall)	325 kPa (0.9 mm wall)	300 kPa (1 mm wall)
Standard Coil Length	19 mm – 350 m Non-standard lengths for qualifying order	21 mm – 350 m Non-standard lengths for qualifying order	25 mm – 300 m Non-standard lengths for qualifying order
Standard emitter spacings	0.3, 0.4, 0.5, 0.6, 0.75, 0.9,1.0 m	0.3, 0.4, 0.5, 0.6, 0.75, 0.9,1.0 m	0.3, 0.4, 0.5, 0.6, 0.75, 0.9,1.0 m

Ordering Information						
X	C	XX	XX	XX	XXX	XXX
	Pressure compensating	ID	Wall thickness	Emitter flow	Spacing	Special coil length (m) (available upon application)
		19 – 19 mm 21 – 20.8 mm 25 – 25 mm	09 – 0.9 mm 10 – 1 mm	12 – 1.2 Lph 16 – 1.6 Lph 21 – 2.1 Lph 35 – 3.5 Lph	030 – 30 cm 040 – 40 cm 050 – 50 cm 060 – 60 cm 075 – 75 cm 090 – 90cm 100 – 100 cm 150 – 150cm	

Example: XC190916100 – DripMaxx Pressure compensating, 19 mm, 0.9 mm wall thickness, 1.6 Lph emitter every 1.0 metre, standard coil length.
Example: XC25101630-220 – DripMaxx Pressure compensating, 25 mm, 1.0 mm wall thickness, 1.6 Lph emitter every 30 cm, 220 metre coil length.
Minimum Order Quantity: 5000 metres.

DripMaxx® PC Maximum Run Length Table (m)

Emitter Spacing									
Diam/Flow	**Inlet Pressure kPa**	**0.3 m**	**0.4 m**	**0.5 m**	**0.6 m**	**0.75 m**	**0.9 m**	**1.0 m**	**1.5 m**
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
21/1.2									
	200	266	332	392	448	527	599	646	855
	250	306	382	451	516	607	691	743	986
	300	337	421	499	570	670	763	823	1089
	325	351	439	519	594	699	795	857	1135
21/1.6									
	200	220	275	325	372	437	497	536	709
	250	253	316	374	428	503	573	617	817
	300	279	349	413	473	556	633	681	903
	325	291	364	430	492	578	659	710	941
21/2.1									
	200	184	230	272	311	365	416	448	594
	250	212	264	313	358	421	480	517	684
	300	234	292	346	395	465	530	571	756
	325	243	304	360	412	485	552	595	788
21/3.5									
	200	131	164	194	222	262	298	321	425
	250	151	189	224	256	301	343	370	490
	300	167	209	247	283	333	379	409	541
	325	174	217	257	295	347	395	426	564
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
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
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
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

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.