



APPLICATIONS

- Sloping terrains
- Orchards
- Field crops
- Olive trees
- Greenhouses
- Vineyards
- Vegetable crops

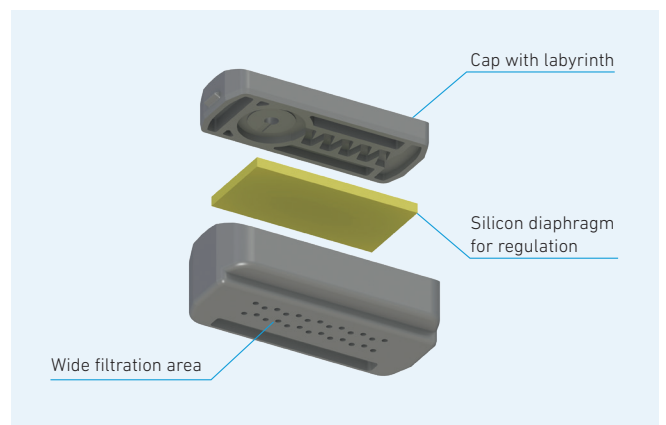
FEATURES

- Installed on-surface or sub-surface
- Anti-siphon mechanism prevents clogging caused by soil suction to drippers at the end of the irrigation schedule. Due to this feature, Mercure PC™ dripline is very ideal for sub-surface installations.
- Silicon diaphragm has a large housing to move freely
- Injected dripper with compact design and smooth inner surface that ensures low dripper friction factor
- Wide filtration area
- Filtration behind the silicon diaphragm prevents particle entrance
- Compensation is provided by the cap not with a simple channel, with labyrinth, which prevents clogging by forming turbulent flow
- Self-cleaning mechanism
- Wide water passage section to prevent clogging
- High UV resistant
- Resistant to chemicals and fertilizers used in agriculture
- ESC resistance is made according to ISO 8796

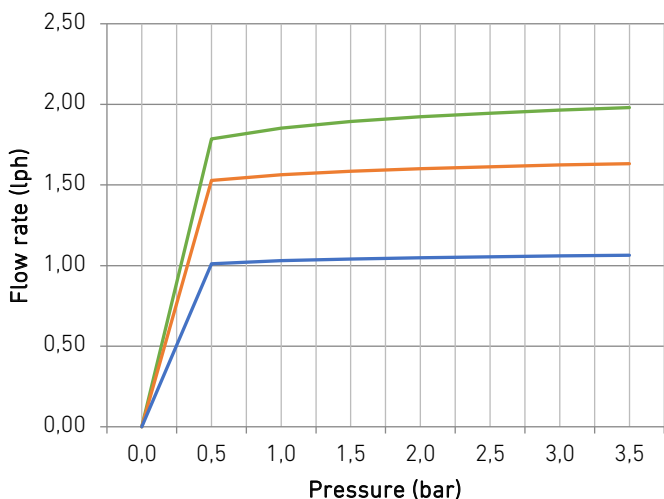
TECHNICAL DATA

Nominal diameter: 16 / 20 / 22 / 25 mm
 Wall thickness: 16 mil-44 mil (0,40-1,10 mm)
 Nominal flow rate: 1,0 / 1,6 / 2,0 lph
 Required filtration: 125 micron / 120 mesh
 Dripper spacing: 20-200 cm
 Pressure compensating range: 0,5-3,5 bar
 Related standards:

ISO 9261 Agricultural irrigation equipment -- Emitters and emitting pipe -- Specifications and test methods



FLOW RATE VS. PRESSURE



Nominal flow rate lph	Pressure bar								
	0,0	0,5	1,0	1,5	2,0	2,5	3,0	3,5	
1,0	0,00	1,01	1,03	1,04	1,05	1,05	1,06	1,06	
1,6	0,00	1,53	1,56	1,59	1,60	1,61	1,62	1,63	
2,0	0,00	1,79	1,85	1,89	1,92	1,95	1,96	1,98	

CODING INFORMATION

XXX	
Nominal diameter	
16 mm	016
20 mm	020
22 mm	022
25 mm	025

XXX	
Dripline type	
FPC	
OPC	

XXX	
Wall thickness	
16 mil	016
20 mil	020
24 mil	024
28 mil	028
32 mil	032
36 mil	036
40 mil	040
44 mil	044

XXX	
Dripper spacing	
20 cm	020
25 cm	025
30 cm	030
33 cm	033
40 cm	040
50 cm	050
60 cm	060
75 cm	075
100 cm	100
120 cm	120
150 cm	150
200 cm	200

XXX	
Flow rate	
1,0 lph	010
1,6 lph	016
2,0 lph	020

16 MM FPC | TECHNICAL SPECIFICATIONS

Code	Wall thickness mil/mm	Inner diameter mm	Max working pressure bar	Reel length (Type D) m
016 FPC 016 XXX XXX	16/0,40	15,9	1,8	1000
016 FPC 020 XXX XXX	20/0,50	15,8	2,0	800
016 FPC 024 XXX XXX	24/0,60	15,7	2,2	700
016 FPC 036 XXX XXX	36/0,90	15,6	3,2	400
016 FPC 040 XXX XXX	40/1,00	15,6	3,5	350

22 MM FPC | TECHNICAL SPECIFICATIONS

Code	Wall thickness mil/mm	Inner diameter mm	Max working pressure bar	Reel length (Type D) m
022 FPC 016 XXX XXX	16/0,40	21,9	1,6	750
022 FPC 020 XXX XXX	20/0,50	21,8	1,8	600
022 FPC 024 XXX XXX	24/0,60	21,7	2,0	500

25 MM FPC | TECHNICAL SPECIFICATIONS

Code	Wall thickness mil/mm	Inner diameter mm	Max working pressure bar	Reel length (Type D) m
025 FPC 016 XXX XXX	16/0,40	24,9	1,5	700
025 FPC 020 XXX XXX	20/0,50	24,8	1,7	550
025 FPC 024 XXX XXX	24/0,60	24,7	1,9	450

16 MM OPC | TECHNICAL SPECIFICATIONS

Code	Wall thickness mil/mm	Inner diameter mm	Max working pressure bar	Coil length m
016 OPC 028 XXX XXX	28/0,70	13,8	2,5	500
016 OPC 032 XXX XXX	32/0,80	13,8	3,0	500
016 OPC 036 XXX XXX	36/0,90	13,8	3,5	500
016 OPC 040 XXX XXX	40/1,00	13,8	3,5	500

20 MM OPC | TECHNICAL SPECIFICATIONS

Code	Wall thickness mil/mm	Inner diameter mm	Max working pressure bar	Coil length m
020 OPC 032 XXX XXX	32/0,80	17,5	2,5	400
020 OPC 036 XXX XXX	36/0,90	17,5	3,0	400
020 OPC 040 XXX XXX	40/1,00	17,5	3,5	400
020 OPC 044 XXX XXX	44/1,10	17,5	3,5	400

16 MM FPC | MAX RECOMMENDED LATERAL LENGTH (M)

1 LPH

Dripper spacing (cm)	Inlet pressure (bar)					
	1	1,5	2	2,5	3	3,5
20	97	119	138	154	165	175
25	119	146	169	185	202	215
30	141	173	200	221	238	254
33	152	188	217	240	260	275
40	181	223	260	283	308	327
50	220	271	310	342	371	394
60	256	315	363	400	431	458
75	305	375	431	477	515	546
100	381	469	538	592	640	681
120	437	538	619	683	736	783
150	518	638	731	806	871	927
200	630	775	890	983	1058	1127

1,6 LPH

Dripper spacing (cm)	Inlet pressure (bar)					
	1	1,5	2	2,5	3	3,5
20	80	98	114	128	136	145
25	98	121	140	154	167	178
30	116	143	166	183	197	211
33	126	155	180	199	216	228
40	150	185	216	235	256	271
50	182	224	257	283	307	326
60	212	261	300	331	357	380
75	253	311	357	395	426	452
100	316	388	445	490	530	565
120	362	445	513	566	609	649
150	429	528	606	668	722	768
200	522	642	737	815	877	934

2 LPH

Dripper spacing (cm)	Inlet pressure (bar)					
	1	1,5	2	2,5	3	3,5
20	69	85	98	110	118	125
25	85	104	121	132	144	153
30	100	124	143	158	170	182
33	109	134	155	171	186	196
40	129	159	186	202	220	234
50	157	193	222	244	265	281
60	183	225	259	286	308	327
75	218	268	308	341	368	390
100	272	335	384	423	457	487
120	312	384	442	488	525	560
150	370	455	522	576	622	662
200	450	554	636	702	756	805

22 MM FPC | MAX RECOMMENDED LATERAL LENGTH (M)

1 LPH

Dripper spacing (cm)	Inlet pressure (bar)					
	1	1,5	2	2,5	3	3,5
20	177	217	252	282	301	320
25	217	267	309	339	370	393
30	257	316	366	404	435	465
33	279	343	397	438	477	503
40	332	408	477	519	564	599
50	403	496	568	625	679	721
60	468	576	663	732	789	839
75	558	686	789	873	942	999
100	698	858	984	1083	1171	1247
120	800	984	1132	1251	1346	1434
150	949	1167	1338	1476	1594	1697
200	1153	1418	1628	1800	1937	2063

1,6 LPH

Dripper spacing (cm)	Inlet pressure (bar)					
	1	1,5	2	2,5	3	3,5
20	146	180	209	234	250	265
25	180	221	256	281	306	325
30	213	262	303	335	360	385
33	231	284	329	363	395	417
40	275	338	395	430	468	496
50	334	411	471	518	562	597
60	388	477	550	607	654	695
75	462	569	654	723	780	828
100	578	711	815	897	970	1033
120	663	815	938	1036	1115	1188
150	786	967	1109	1223	1321	1406
200	956	1175	1349	1491	1605	1709

2 LPH

Dripper spacing (cm)	Inlet pressure (bar)					
	1	1,5	2	2,5	3	3,5
20	126	155	180	202	215	229
25	155	191	221	242	264	281
30	184	226	261	289	310	332
33	199	245	283	313	340	360
40	237	291	340	370	403	428
50	288	354	406	447	485	515
60	334	411	474	523	564	599
75	399	490	564	624	673	714
100	498	613	703	773	836	891
120	571	703	809	893	961	1024
150	678	833	956	1054	1138	1212
200	824	1013	1163	1286	1384	1473

25 MM FPC | MAX RECOMMENDED LATERAL LENGTH (M)

1 LPH

Dripper spacing (cm)	Inlet pressure (bar)					
	1	1,5	2	2,5	3	3,5
20	229	281	326	365	390	415
25	281	346	400	439	479	509
30	333	410	474	523	563	602
33	361	444	514	568	617	652
40	430	528	617	672	731	775
50	522	642	736	810	879	933
60	606	746	859	948	1022	1086
75	723	889	1022	1131	1220	1294
100	903	1111	1274	1402	1516	1615
120	1036	1274	1467	1620	1743	1857
150	1229	1511	1733	1911	2064	2197
200	1493	1837	2109	2331	2509	2672

1,6 LPH

Dripper spacing (cm)	Inlet pressure (bar)					
	1	1,5	2	2,5	3	3,5
20	190	233	270	303	323	344
25	233	286	331	364	397	421
30	276	340	393	434	466	499
33	299	368	426	471	511	540
40	356	438	511	556	606	642
50	432	532	610	671	728	773
60	502	618	712	786	847	900
75	599	736	847	937	1011	1072
100	748	921	1056	1162	1256	1338
120	858	1056	1215	1342	1444	1538
150	1018	1252	1436	1583	1710	1821
200	1237	1522	1747	1931	2079	2214

2 LPH

Dripper spacing (cm)	Inlet pressure (bar)					
	1	1,5	2	2,5	3	3,5
20	163	201	233	261	279	296
25	201	247	286	314	342	363
30	238	293	339	374	402	430
33	258	317	367	406	441	466
40	307	377	441	480	522	554
50	373	459	526	578	628	667
60	433	533	614	677	730	776
75	516	635	730	808	871	924
100	645	794	910	1002	1083	1153
120	740	910	1048	1157	1245	1326
150	878	1079	1238	1365	1474	1570
200	1067	1312	1506	1665	1792	1908

16 MM OPC | MAX RECOMMENDED LATERAL LENGTH (M)

1 LPH

Dripper spacing (cm)	Inlet pressure (bar)					
	1	1,5	2	2,5	3	3,5
20	80	98	113	127	136	144
25	98	120	139	153	167	177
30	116	143	165	182	196	210
33	126	155	179	198	215	227
40	150	184	215	234	254	270
50	182	223	256	282	306	325
60	211	260	299	330	356	378
75	252	309	356	394	425	450
100	314	387	443	488	528	562
120	361	443	511	564	607	646
150	428	526	603	665	719	765
200	520	639	734	811	873	930

1,6 LPH

Dripper spacing (cm)	Inlet pressure (bar)					
	1	1,5	2	2,5	3	3,5
20	66	81	94	105	113	120
25	81	100	115	127	138	147
30	96	118	137	151	162	174
33	104	128	148	164	178	188
40	124	152	178	194	211	224
50	151	185	212	234	254	269
60	175	215	248	273	295	313
75	208	256	295	326	352	373
100	261	320	367	405	437	466
120	299	367	423	467	503	536
150	354	436	500	551	595	634
200	431	530	608	672	724	771

2 LPH

Dripper spacing (cm)	Inlet pressure (bar)					
	1	1,5	2	2,5	3	3,5
20	57	70	81	91	97	103
25	70	86	99	109	119	126
30	83	102	118	130	140	150
33	90	111	128	141	153	162
40	107	131	153	167	182	193
50	130	160	183	201	219	232
60	151	185	214	236	254	270
75	180	221	254	281	303	322
100	225	276	317	349	377	402
120	258	317	365	403	433	462
150	305	376	431	475	513	546
200	371	457	524	580	624	664

20 MM OPC | MAX RECOMMENDED LATERAL LENGTH (M)

1 LPH

Dripper spacing (cm)	Inlet pressure (bar)					
	1	1,5	2	2,5	3	3,5
20	120	148	171	192	205	218
25	148	182	210	231	252	267
30	175	215	249	275	296	317
33	190	234	270	299	324	343
40	226	278	324	353	384	408
50	274	337	387	426	462	491
60	319	392	452	498	537	571
75	380	467	537	594	641	680
100	475	584	670	737	797	849
120	544	670	771	851	916	976
150	646	794	911	1005	1085	1155
200	785	966	1108	1225	1319	1404

1,6 LPH

Dripper spacing (cm)	Inlet pressure (bar)					
	1	1,5	2	2,5	3	3,5
20	100	123	142	159	170	181
25	122	151	174	191	209	222
30	145	179	206	228	245	262
33	157	194	224	247	269	284
40	187	230	269	292	318	338
50	228	280	320	353	383	406
60	264	325	374	413	445	473
75	314	387	445	493	531	563
100	394	484	555	611	660	703
120	451	555	639	705	759	809
150	535	658	755	832	899	957
200	651	800	918	1015	1093	1164

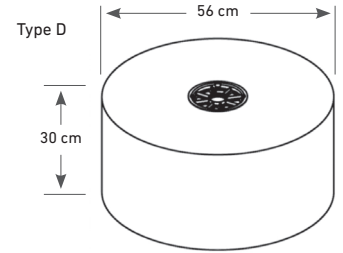
2 LPH

Dripper spacing (cm)	Inlet pressure (bar)					
	1	1,5	2	2,5	3	3,5
20	86	106	122	137	146	156
25	106	130	150	165	180	191
30	125	154	178	197	211	226
33	136	167	193	213	232	245
40	161	198	232	252	274	291
50	196	241	276	304	330	350
60	228	280	323	356	384	408
75	271	334	384	425	458	486
100	339	417	478	527	569	606
120	389	478	551	608	654	697
150	461	567	651	718	775	825
200	561	690	792	875	942	1003

FPC | LOADING DATA

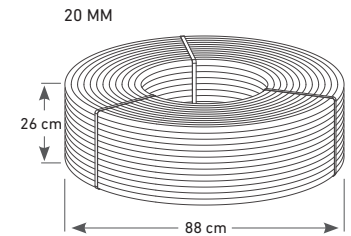
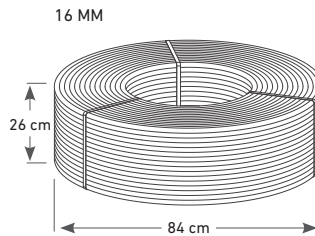
Type D	Reel dimensions			20'		40'		40' HC	
	Diameter cm	Height cm	Reels per pallet	Number of reels per container	Reels per pallet	Number of reels per container	Reels per pallet	Number of reels per container	
Type D	56	30	24	240	24	480 + 28*	28	560 + 32*	

* Loose reels



OPC | LOADING DATA

	Coil dimensions			Number of coils per container		
	OD cm	ID cm	Height cm	20'	40'	40' HC
16 MM	84	44	26	180	369	410
20 MM	88	44	26	162	351	390



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