



APPLICATIONS

- Row crops
- Field crops
- Vegetables
- Greenhouses
- Landscaping

FEATURES

- Installed on-surface or sub-surface
- Extruded emitter with uniform design, very low CV value (<3%)
- Closer emitter spacing - increases crop yield
- No additional cost for closer emitter spacing
- Large filtration area and high number of inlet filters with superior clogging resistance
- Wide water passage labyrinth with turbulent flow - prevents particle settling
- High UV resistant
- Resistant to chemicals and fertilizers used in agriculture

TECHNICAL DATA

Nominal diameter:

16 / 22 / 25 mm

Wall thickness:

6 mil-16 mil (0,15-0,40 mm)

Nominal flow rate (0,7 bar):

0,6 / 0,9 / 1,2 / 1,5 lph

Nominal flow rates (1 bar):

0,7 / 1,0 / 1,4 / 1,8 lph

Required filtration:

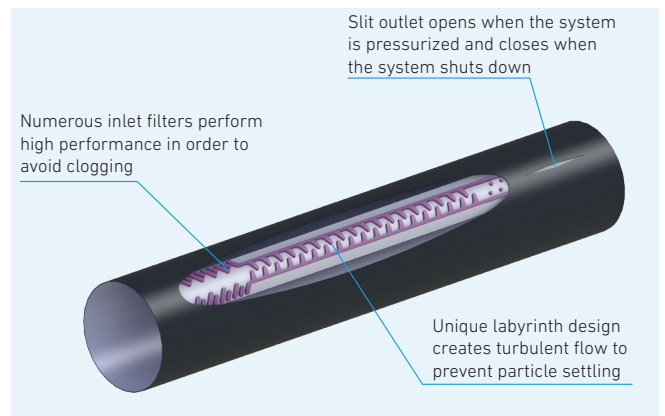
125 micron / 120 mesh

Emitter spacing:

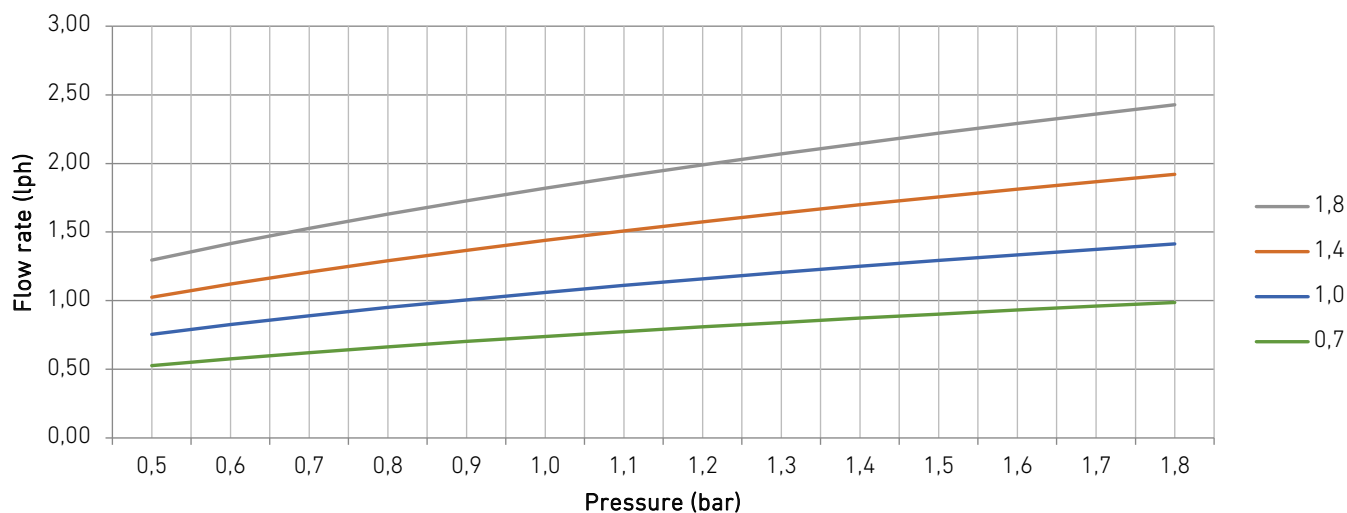
10-60 cm

Related standards:

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



FLOW RATE VS. PRESSURE



Nominal flow rate lph (1 bar)	Pressure bar													
	0,5	0,6	0,7	0,8	0,9	1,0	1,1	1,2	1,3	1,4	1,5	1,6	1,7	1,8
0,7	0,53	0,58	0,62	0,66	0,70	0,74	0,78	0,81	0,84	0,87	0,90	0,93	0,96	0,99
1,0	0,75	0,83	0,89	0,95	1,01	1,06	1,11	1,16	1,21	1,25	1,29	1,33	1,37	1,41
1,4	1,03	1,12	1,21	1,29	1,37	1,44	1,51	1,57	1,64	1,70	1,76	1,81	1,87	1,92
1,8	1,30	1,42	1,53	1,63	1,73	1,82	1,91	1,99	2,07	2,15	2,22	2,29	2,36	2,43

LPH/1-METER @ 0,7 BAR

Nominal flow rate lph	Emitter spacing cm					
	10	20	30	40	50	60
0,6	6,21	3,11	2,07	1,55	1,24	1,04
0,9	8,90	4,45	2,97	2,23	1,78	1,48
1,2	12,09	6,05	4,03	3,02	2,42	2,02
1,5	15,28	7,64	5,09	3,82	3,06	2,55

LPH/1-METER @ 1 BAR

Nominal flow rate lph	Emitter spacing cm					
	10	20	30	40	50	60
0,7	7,40	3,70	2,47	1,85	1,48	1,23
1,0	10,60	5,30	3,53	2,65	2,12	1,77
1,4	14,40	7,20	4,80	3,60	2,88	2,40
1,8	18,20	9,10	6,07	4,55	3,64	3,03



16 MM | TECHNICAL SPECIFICATIONS

Code	Wall thickness mil/mm	Inner diameter mm	Max working pressure bar	Emitter spacing cm	Reel length (Type A) m	Reel length (Type B) m
016 TPD 006 XXX XXX	6/0,15	16,0	0,8	10-60	2800	1250
016 TPD 008 XXX XXX	8/0,20	16,0	1,0	10-60	2200	1000
016 TPD 010 XXX XXX	10/0,25	16,0	1,2	10-60	1800	-
016 TPD 012 XXX XXX	12/0,30	16,0	1,4	10-60	1500	-
016 TPD 014 XXX XXX	14/0,35	15,9	1,6	10-60	1300	-
016 TPD 016 XXX XXX	16/0,40	15,9	1,8	10-60	1200	-

22 MM | TECHNICAL SPECIFICATIONS

Code	Wall thickness mil/mm	Inner diameter mm	Max working pressure bar	Emitter spacing cm	Reel length (Type A) m
022 TPD 008 XXX XXX	8/0,20	22,0	0,8	10-60	1700
022 TPD 010 XXX XXX	10/0,25	22,0	1,0	10-60	1400
022 TPD 012 XXX XXX	12/0,30	22,0	1,2	10-60	1200
022 TPD 014 XXX XXX	14/0,35	21,9	1,4	10-60	1000
022 TPD 016 XXX XXX	16/0,40	21,9	1,6	10-60	900

25 MM | TECHNICAL SPECIFICATIONS

Code	Wall thickness mil/mm	Inner diameter mm	Max working pressure bar	Emitter spacing cm	Reel length (Type A) m
025 TPD 010 XXX XXX	10/0,25	25,0	0,9	10-60	1200
025 TPD 012 XXX XXX	12/0,30	25,0	1,1	10-60	1000
025 TPD 014 XXX XXX	14/0,35	24,9	1,3	10-60	900
025 TPD 016 XXX XXX	16/0,40	24,9	1,5	10-60	800

CODING INFORMATION

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

TPD

XXX	
Wall thickness	
6 mil	006
8 mil	008
10 mil	010
12 mil	012
14 mil	014
16 mil	016

XXX	
Emitter spacing	
10 cm	010
20 cm	020
30 cm	030
40 cm	040
50 cm	050
60 cm	060

XXX	
Flow rate	
0,7 lph	007
1,0 lph	010
1,4 lph	014
1,8 lph	018

16 MM | MAX RECOMMENDED LATERAL LENGTH (M)

• Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 0,7 bar

Nominal flow rate lph	Emitter spacing cm					
	10	20	30	40	50	60
0,6	83	163	218	264	306	341
0,9	58	115	152	184	215	238
1,2	42	82	108	132	153	170
1,5	33	66	87	109	121	136

• Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1 bar

Nominal flow rate lph	Emitter spacing cm					
	10	20	30	40	50	60
0,7	87	171	229	278	324	362
1,0	61	120	160	194	227	253
1,4	44	86	114	139	162	181
1,8	35	69	92	115	128	145

22 MM | MAX RECOMMENDED LATERAL LENGTH (M)

• Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 0,7 bar

Nominal flow rate lph	Emitter spacing cm					
	10	20	30	40	50	60
0,6	157	309	411	499	579	644
0,9	110	217	287	349	406	450
1,2	79	155	205	250	290	322
1,5	63	125	165	207	229	258

• Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1 bar

Nominal flow rate lph	Emitter spacing cm					
	10	20	30	40	50	60
0,7	164	323	433	525	612	684
1,0	115	227	302	367	429	478
1,4	83	163	215	263	306	342
1,8	66	130	174	217	242	274

25 MM | MAX RECOMMENDED LATERAL LENGTH (M)

• Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 0,7 bar

Nominal flow rate lph	Emitter spacing cm					
	10	20	30	40	50	60
0,6	203	399	531	645	748	831
0,9	142	280	371	450	524	581
1,2	103	200	264	322	374	416
1,5	82	161	213	267	295	333

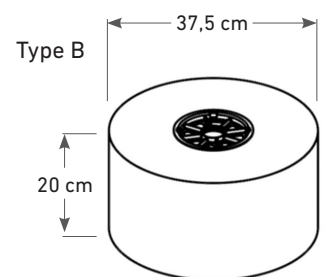
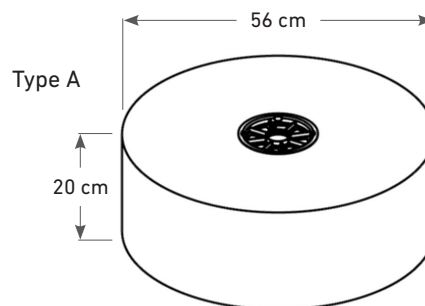
• Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1 bar

Nominal flow rate lph	Emitter spacing cm					
	10	20	30	40	50	60
0,7	212	417	559	678	791	883
1,0	149	293	390	473	554	617
1,4	107	210	278	339	395	442
1,8	85	168	224	281	312	354

LOADING DATA

	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 A	56	20	40	400	40	800 + 44*	44	880 + 48*
Type B	37,5	20	90	900	90	1800 + 66*	99	1980 + 72*

* Loose reels



HEADQUARTERS

Orhan Gazi Mah. İsiso San. Sit.
15. Yol Y Blok No: 33 34538
Esenyurt, İstanbul, Turkey
Tel : +90 212 623 23 08
Fax : +90 212 623 23 12

FACTORY

Organize Sanayi Bölgesi Bursa
Karayolu 6. km. 2. Cd. No: 2
Çanakkale, Turkey
Tel : +90 286 214 32 07
Fax : +90 286 214 32 11

Website www.sunstream.com.tr | Support info@sunstream.com.tr