



## STREAMLINE™ X

INTEGRAL DRIPPER

12060 - 12080 - 16050 - 16060 - 16070 - 16080  
16100 - 22050 - 22060 - 22070 - 22080 - 22100

### TECHNICAL INFORMATION

- Streamline™ X incorporate a reinforcing internal and external ribs that enhance the dripperline robustness that help to protect the pipe from damages.
- Recommended filtration: 130 micron / 120 mesh.  
Filtration method is to be selected based on the kind and concentration of the dirt particles existing in the water. Wherever sand exceeding 2 ppm exists in the water, a Hydrocyclone is to be installed before the main filter. When sand/ silt/ clay solids exceed 100 ppm, pre treatment will be applied according to Netafim™ expert team's instructions.
- TurboNet™ labyrinth with large water passage.
- To be "welded" into a thin-walled dripperlines (0.13, 0.15, 0.18, 0.20, 0.25 mm).
- Injected dripper, very low CV.
- UV resistant. Resistant to standard nutrients used in agricultural.
- Available in standard hole or flap outlet (flat outlet not available with 2.2 l/h and 2.8 l/h drippers).
- Streamline™ X dripperlines meet ISO 9261 Standards with production certified by the Israel Standards Institute (SII).

## DRIPPERS TECHNICAL DATA

### 0.13, 0.15, 0.18 mm wall thickness dripperlines

FLOW RATE* (L/H)	MAX. WORKING PRESSURE** (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM)	FILTRATION AREA (MM <sup>2</sup> )	CONSTANT K	EXPONENT X	RECOMMENDED FILTRATION (MICRON)/(MESH)
0.35	0.8/0.9/1.0/1.6	0.35 x 0.34 x 23	11	0.116	0.48	130/120
0.80		0.59 x 0.33 x 25	12	0.265	0.48	130/120
1.10		0.51 x 0.44 x 13	14	0.392	0.45	130/120
1.60		0.65 x 0.55 x 13	15	0.568	0.45	130/120
2.20		0.72 x 0.65 x 13	15	0.780	0.45	130/120
2.80		0.84 x 0.73 x 13	15	0.993	0.45	200/80

\* Flow rate at 1.0 bar pressure \*\*According to dripperlines wall thicknesses and inside diameters

## FLOW RATE (L/H) VS. PRESSURE (BAR)

### 0.13, 0.15, 0.18 mm wall thickness dripperlines

FLOW RATE* (L/H)	PRESSURE (BAR)										
	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.4
0.35	0.20	0.22	0.25	0.27	0.29	0.31	0.33	0.35	0.37	0.38	0.41
0.80	0.45	0.52	0.57	0.63	0.67	0.72	0.76	0.80	0.84	0.87	0.94
1.10	0.64	0.73	0.81	0.88	0.94	1.00	1.05	1.10	1.15	1.20	1.29
1.60	0.93	1.06	1.17	1.27	1.36	1.45	1.53	1.60	1.67	1.74	1.86
2.20	1.28	1.46	1.61	1.75	1.87	1.99	2.10	2.20	2.29	2.39	2.56
2.80	1.85	2.05	2.22	2.38	2.53	2.67	2.10	2.80	2.92	3.04	3.26

\*Nominal flow rate at 1.0 bar pressure

## DRIPPERS TECHNICAL DATA

### 0.20, 0.25 mm wall thickness dripperlines

FLOW RATE* (L/H)	MAX. WORKING PRESSURE** (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM)	FILTRATION AREA (MM <sup>2</sup> )	CONSTANT K	EXPONENT X	RECOMMENDED FILTRATION (MICRON)/(MESH)
0.35	1.0/1.2/1.9	0.35 x 0.34 x 23	11	0.116	0.48	130/120
0.72		0.59 x 0.33 x 25	12	0.238	0.48	130/120
1.05		0.51 x 0.44 x 13	14	0.373	0.45	130/120
1.60		0.65 x 0.55 x 13	15	0.568	0.45	130/120
2.20		0.72 x 0.65 x 13	15	0.780	0.45	130/120
2.80		0.84 x 0.73 x 13	15	0.993	0.45	200/80

\* Flow rate at 1.0 bar \*\*According to dripperlines inside diameter

## FLOW RATE (L/H) VS. PRESSURE (BAR)

### 0.20, 0.25 mm wall thickness dripperlines

FLOW RATE* (L/H)	PRESSURE (BAR)										
	0.3	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.3	1.5	1.7
0.35	0.20	0.22	0.25	0.27	0.29	0.31	0.35	0.37	0.40	0.42	0.45
0.72	0.40	0.46	0.52	0.56	0.61	0.65	0.72	0.75	0.82	0.87	0.93
1.05	0.61	0.70	0.77	0.84	0.90	0.95	1.05	1.10	1.18	1.26	1.33
1.60	0.93	1.06	1.17	1.27	1.36	1.45	1.60	1.67	1.80	1.92	2.03
2.20	1.28	1.46	1.61	1.75	1.87	1.99	2.20	2.29	2.47	2.64	2.79
2.80	1.85	2.05	2.22	2.38	2.53	2.67	2.80	2.92	3.15	3.36	3.55

\*Nominal flow rate at 1.0 bar pressure

## DRIPPERLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)*	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	MAXIMUM FLUSHING PRESSURE (BAR)	KD
12060	11.80	0.15	12.10	1.60	1.8	0.15
12080	11.80	0.20	12.20	1.90	2.2	0.15
16050	16.20	0.13	16.46	0.80	0.9	0.10
16060	16.20	0.15	16.50	1.00	1.2	0.10
16070	16.20	0.18	16.56	1.10	1.3	0.10
16080	16.20	0.20	16.60	1.20	1.4	0.10
16100	16.20	0.25	16.70	1.40	1.6	0.10
22050	22.20	0.13	22.46	0.75	0.9	0.01
22060	22.20	0.15	22.50	0.80	0.9	0.01
22070	22.20	0.18	22.56	0.90	1.0	0.01
22080	22.20	0.20	22.60	1.00	1.2	0.01
22100	22.20	0.25	22.70	1.10	1.3	0.01

\*Nominal wall thickness definition is related to the pipe core and not to the ribs (where is thicker)

## DRIPPERLINES PACKAGE DATA (ON CARTON COILS)

MODEL	WALL THICKNESS (MM)	COIL LENGTH (M)	DISTANCE BETWEEN DRIPPERS (M)	AVERAGE* COIL WEIGHT (KG)	COILS PER PALLET (UNITS)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)
12060	0.15	3500	0.15 to 0.25	22.1	16	640	2240000
		3500	0.30 to 1.00	21.2			2240000
12080	0.20	2800	0.15	24.0			1792000
		3000	0.20 to 0.25	24.5			1920000
		3000	0.30 to 1.00	23.8			1920000
16050	0.13	3200	0.15 to 0.25	24.5			2048000
		3600	0.30 to 1.00	25.6			2304000
16060	0.15	2600	0.15 to 0.25	21.5			1664000
		3000	0.30 to 1.00	24.0			1920000
16070	0.18	2500	0.15 to 0.25	22.5			1600000
		2800	0.30 to 1.00	26.5			1792000
16080	0.20	2200	0.15 to 0.25	23.7			1408000
		2500	0.30 to 1.00	26.3			1600000
16100	0.25	1800	0.15 to 0.25	23.6			1440000
		2000	0.30 to 1.00	25.9			1600000
22050	0.13	2800	0.15 to 0.25	26.0			1792000
		3000	0.30 to 1.00	27.9			1920000
22060	0.15	2200	0.15 to 0.25	23.5			1408000
		2400	0.30 to 1.00	26.0			1536000
22070	0.18	1800	0.15 to 0.25	23.7			1152000
		2000	0.30 to 1.00	25.8	1280000		
22080	0.20	1600	0.15 to 0.25	23.6	1024000		
		1800	0.30 to 1.00	25.6	1152000		
22100	0.25	1200	0.15 to 0.25	22.0	768000		
		1500	0.30 to 1.00	26.6	960000		

\* The average coil weight declared in the above table is based on average calculated weight.

\*All the above Streamline™ X drippelines are packed on carton coils with 57 cm diameter and 24 cm spool width

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 12060 • ID 11.8 MM • KD 0.15 • FLOW RATE 0.35 L/H • INLET PRESSURE 1.2 BAR

	DISTANCE BETWEEN DRIPPERS (METER)									
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
UPHILL	2%	80	93	100	105	108	110	112	113	115
	1%	99	123	141	155	166	175	183	189	195
FLAT TERRAIN	0	122	162	197	229	259	287	313	339	363
	-1%	140	192	241	288	331	374	416	456	496
DOWNHILL	-2%	154	216	273	181	205	161	152	146	144

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 12060 • ID 11.8 MM • KD 0.15 • FLOW RATE 0.80 L/H • INLET PRESSURE 1.2 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	57	69	78	85	90	95	98	
	1%	64	82	96	108	118	127	135	
FLAT TERRAIN	0	72	96	116	136	153	169	186	
	-1%	79	109	136	162	187	211	234	
DOWNHILL	-2%	86	122	155	189	221	253	286	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 12060 • ID 11.8 MM • KD 0.15 • FLOW RATE 1.10 L/H • INLET PRESSURE 1.2 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	51	65	74	82	89	95	98	
	1%	56	73	86	98	109	118	126	
FLAT TERRAIN	0	61	82	100	116	131	146	158	
	-1%	65	89	110	131	151	169	188	
DOWNHILL	-2%	70	97	123	148	172	197	221	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 12060 • ID 11.8 MM • KD 0.15 • FLOW RATE 1.60 L/H • INLET PRESSURE 1.2 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	42	54	63	70	76	82	86	
	1%	45	59	70	81	89	98	105	
FLAT TERRAIN	0	48	65	79	92	104	116	126	
	-1%	51	69	85	101	115	130	143	
DOWNHILL	-2%	53	74	93	111	129	146	163	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 12060 • ID 11.8 MM • KD 0.15 • FLOW RATE 2.20 L/H • INLET PRESSURE 1.2 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	35	45	54	60	66	71	76	
	1%	37	49	59	68	75	83	89	
FLAT TERRAIN	0	40	53	64	75	85	95	103	
	-1%	41	56	68	81	92	104	114	
DOWNHILL	-2%	43	59	74	88	101	114	127	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 12060 • ID 11.8 MM • KD 0.15 • FLOW RATE 2.80 L/H • INLET PRESSURE 1.2 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	28	37	44	50	55	60	63	
	1%	30	40	48	55	61	67	73	
FLAT TERRAIN	0	31	42	52	61	68	76	83	
	-1%	33	45	55	65	74	83	92	
DOWNHILL	-2%	34	47	58	69	80	90	99	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 12080 • ID 11.8 MM • KD 0.15 • FLOW RATE 0.35 L/H • INLET PRESSURE 1.2 BAR

	DISTANCE BETWEEN DRIPPERS (METER)									
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
UPHILL	2%	80	93	100	105	108	110	112	113	115
	1%	99	123	141	155	166	175	183	189	195
FLAT TERRAIN	0	122	162	197	229	259	287	313	339	363
	-1%	140	192	241	288	331	374	416	456	496
DOWNHILL	-2%	154	216	273	181	205	161	152	146	144

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 12080 • ID 11.8 MM • KD 0.15 • FLOW RATE 0.72 L/H • INLET PRESSURE 1.2 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	59	72	81	88	93	97	100	
	1%	68	86	101	114	124	134	142	
FLAT TERRAIN	0	77	102	125	145	164	182	198	
	-1%	86	118	147	176	203	229	255	
DOWNHILL	-2%	94	132	170	206	242	279	315	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 12080 • ID 11.8 MM • KD 0.15 • FLOW RATE 1.05 L/H • INLET PRESSURE 1.2 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	53	66	76	84	90	96	100	
	1%	58	75	89	101	111	120	130	
FLAT TERRAIN	0	63	84	103	120	136	151	165	
	-1%	67	92	114	136	156	176	195	
DOWNHILL	-2%	72	101	128	154	179	205	230	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 12080 • ID 11.8 MM • KD 0.15 • FLOW RATE 1.60 L/H • INLET PRESSURE 1.2 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	42	54	63	70	76	82	86	
	1%	45	59	70	81	89	98	105	
FLAT TERRAIN	0	48	65	79	92	104	116	126	
	-1%	51	69	85	101	115	130	143	
DOWNHILL	-2%	53	74	93	111	129	146	163	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 12080 • ID 11.8 MM • KD 0.15 • FLOW RATE 2.20 L/H • INLET PRESSURE 1.2 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	35	45	54	60	66	71	76	
	1%	37	49	59	68	75	83	89	
FLAT TERRAIN	0	40	53	64	75	85	95	103	
	-1%	41	56	68	81	92	104	114	
DOWNHILL	-2%	43	59	74	88	101	114	127	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 12080 • ID 11.8 MM • KD 0.15 • FLOW RATE 2.80 L/H • INLET PRESSURE 1.2 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	28	37	44	50	55	60	63	
	1%	30	40	48	55	61	67	73	
FLAT TERRAIN	0	31	42	52	61	68	76	83	
	-1%	33	45	55	65	74	83	92	
DOWNHILL	-2%	34	47	58	69	80	90	99	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 16050 • ID 16.2 MM • KD 0.10 • FLOW RATE 0.35 L/H • INLET PRESSURE 0.9 BAR

	DISTANCE BETWEEN DRIPPERS (METER)									
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
UPHILL	2%	82	85	87	88	88	88	89	89	90
	1%	129	146	156	162	166	168	170	171	173
FLAT TERRAIN	0	208	276	336	391	441	488	533	576	617
	-1%	269	377	476	288	235	222	216	212	210
DOWNHILL	-2%	123	106	103	102	101	101	100	100	101

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 16050 • ID 16.2 MM • KD 0.10 • FLOW RATE 0.80 L/H • INLET PRESSURE 0.9 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	65	71	74	75	76	77	78	
	1%	89	107	118	127	132	137	140	
FLAT TERRAIN	0	122	162	197	229	259	286	313	
	-1%	153	218	281	344	407	470	231	
DOWNHILL	-2%	186	103	88	84	82	81	81	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 16050 • ID 16.2 MM • KD 0.10 • FLOW RATE 1.10 L/H • INLET PRESSURE 0.9 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	65	74	79	82	84	85	86	
	1%	82	101	115	125	134	140	146	
FLAT TERRAIN	0	103	138	168	195	220	244	266	
	-1%	121	170	218	264	309	354	399	
DOWNHILL	-2%	142	208	276	98	92	90	88	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 16050 • IID 16.2 MM • KD 0.10 • FLOW RATE 1.60 L/H • INLET PRESSURE 0.9 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	57	66	72	77	80	81	83	
	1%	68	86	98	109	118	125	130	
FLAT TERRAIN	0	82	108	132	154	174	193	210	
	-1%	92	128	162	196	228	260	291	
DOWNHILL	-2%	105	151	197	244	113	99	94	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 16050 • ID 16.2 MM • KD 0.10 • FLOW RATE 2.20 L/H • INLET PRESSURE 0.9 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	50	59	66	72	74	78	79	
	1%	58	73	85	95	104	111	117	
FLAT TERRAIN	0	67	89	108	126	142	158	172	
	-1%	74	102	128	153	177	201	225	
DOWNHILL	-2%	82	116	150	184	218	252	118	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 16050 • ID 16.2 MM • KD 0.10 • FLOW RATE 2.80 L/H • INLET PRESSURE 0.9 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	44	55	62	68	73	76	80	
	1%	50	64	75	85	93	101	107	
FLAT TERRAIN	0	55	74	90	104	118	131	142	
	-1%	60	82	102	120	137	155	171	
DOWNHILL	-2%	64	88	111	133	153	173	192	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 16060-16070 • ID 16.2 MM • KD 0.10 • FLOW RATE 0.35 L/H • INLET PRESSURE 1.0 BAR

	DISTANCE BETWEEN DRIPPERS (METER)									
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
UPHILL	2%	89	93	96	97	97	98	99	99	99
	1%	136	156	168	176	181	184	187	189	191
FLAT TERRAIN	0	209	278	338	393	444	491	536	579	621
	-1%	265	372	470	310	297	261	248	242	238
DOWNHILL	-2%	165	122	116	114	113	112	112	112	112

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 16060-16070 • ID 16.2 MM • KD 0.10 • FLOW RATE 0.80 L/H • INLET PRESSURE 1.0 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	65	71	74	75	76	77	78	
	1%	89	107	118	127	132	137	140	
FLAT TERRAIN	0	122	162	197	229	259	286	313	
	-1%	153	218	281	344	407	470	231	
DOWNHILL	-2%	186	103	88	84	82	81	81	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 16060-16070 • ID 16.2 MM • KD 0.10 • FLOW RATE 1.10 L/H • INLET PRESSURE 1.0 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	65	74	79	82	84	85	86	
	1%	82	101	115	125	134	140	146	
FLAT TERRAIN	0	103	138	168	195	220	244	266	
	-1%	121	170	218	264	309	354	399	
DOWNHILL	-2%	142	208	276	98	92	90	88	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 16060-16070 • IID 16.2 MM • KD 0.10 • FLOW RATE 1.60 L/H • INLET PRESSURE 1.0 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	57	66	72	77	80	81	83	
	1%	68	86	98	109	118	125	130	
FLAT TERRAIN	0	82	108	132	154	174	193	210	
	-1%	92	128	162	196	228	260	291	
DOWNHILL	-2%	105	151	197	244	113	99	94	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 16060-16070 • ID 16.2 MM • KD 0.10 • FLOW RATE 2.20 L/H • INLET PRESSURE 1.0 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	50	59	66	72	74	78	79	
	1%	58	73	85	95	104	111	117	
FLAT TERRAIN	0	67	89	108	126	142	158	172	
	-1%	74	102	128	153	177	201	225	
DOWNHILL	-2%	82	116	150	184	218	252	118	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 16060-16070 • ID 16.2 MM • KD 0.10 • FLOW RATE 2.80 L/H • INLET PRESSURE 1.0 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	44	55	62	68	73	76	80	
	1%	50	64	75	85	93	101	107	
FLAT TERRAIN	0	55	74	90	104	118	131	142	
	-1%	60	82	102	120	137	155	171	
DOWNHILL	-2%	64	88	111	133	153	173	192	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 16080-16100 • ID 16.2 MM • KD 0.10 • FLOW RATE 0.35 L/H • INLET PRESSURE 1.0 BAR

	DISTANCE BETWEEN DRIPPERS (METER)									
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
UPHILL	2%	89	93	96	97	97	98	99	99	99
	1%	136	156	168	176	181	184	187	189	191
FLAT TERRAIN	0	209	278	338	393	444	491	536	579	621
	-1%	265	372	470	310	297	261	248	242	238
DOWNHILL	-2%	165	122	116	114	113	112	112	112	112

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 16080-16100 • ID 16.2 MM • KD 0.10 • FLOW RATE 0.72 L/H • INLET PRESSURE 1.0 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	76	85	89	92	94	95	95	
	1%	101	122	137	148	157	163	168	
FLAT TERRAIN	0	132	176	214	248	280	311	339	
	-1%	162	228	292	356	418	481	544	
DOWNHILL	-2%	192	284	120	110	106	104	102	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 16080-16100 • ID 16.2 MM • KD 0.10 • FLOW RATE 1.05 L/H • INLET PRESSURE 1.0 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	73	85	93	98	101	104	105	
	1%	90	112	128	142	152	161	168	
FLAT TERRAIN	0	108	144	176	205	231	256	279	
	-1%	124	173	219	264	308	351	394	
DOWNHILL	-2%	142	205	268	333	128	119	114	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 16080-16100 • ID 16.2 MM • KD 0.10 • FLOW RATE 1.60 L/H • INLET PRESSURE 1.0 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	62	74	82	89	93	97	98	
	1%	72	91	106	119	129	138	146	
FLAT TERRAIN	0	83	110	134	156	176	195	214	
	-1%	91	126	159	190	220	250	279	
DOWNHILL	-2%	102	145	187	229	271	313	150	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 16080-16100 • ID 16.2 MM • KD 0.10 • FLOW RATE 2.20 L/H • INLET PRESSURE 1.0 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	53	65	74	81	85	90	93	
	1%	60	77	90	102	112	120	128	
FLAT TERRAIN	0	68	90	110	128	144	160	174	
	-1%	73	101	126	150	173	195	218	
DOWNHILL	-2%	80	113	144	175	205	236	266	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 16080-16100 • ID 16.2 MM • KD 0.10 • FLOW RATE 2.80 L/H • INLET PRESSURE 1.0 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	44	55	62	68	73	76	80	
	1%	50	64	75	85	93	101	107	
FLAT TERRAIN	0	55	74	90	104	118	131	142	
	-1%	60	82	102	120	137	155	171	
DOWNHILL	-2%	64	88	111	133	153	173	192	



## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 22050-22060-22070 • ID 22.2 MM • KD 0.01 • FLOW RATE 0.35 L/H • INLET PRESSURE 0.8 BAR

	DISTANCE BETWEEN DRIPPERS (METER)									
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
UPHILL	2%	78	78	79	79	79	79	80	80	80
	1%	146	151	154	155	156	157	157	158	158
FLAT TERRAIN	0	379	492	593	684	769	849	925	998	1068
	-1%	215	189	183	181	180	179	179	179	179
DOWNHILL	-2%	89	89	88	89	88	88	89	89	90

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 22050-22060-22070 • ID 22.2 MM • KD 0.01 • FLOW RATE 0.80 L/H • INLET PRESSURE 0.8 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	75	77	78	78	78	78	78	
	1%	125	137	144	148	150	151	153	
FLAT TERRAIN	0	224	291	350	405	455	502	546	
	-1%	334	482	489	475	469	465	463	
DOWNHILL	-2%	85	81	80	80	79	79	79	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 22050-22060-22070 • ID 22.2 MM • KD 0.01 • FLOW RATE 1.10 L/H • INLET PRESSURE 0.8 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	81	85	87	88	89	89	90	
	1%	123	141	151	158	163	167	169	
FLAT TERRAIN	0	190	247	298	344	387	427	465	
	-1%	256	363	469	235	197	187	182	
DOWNHILL	-2%	100	89	86	86	85	84	84	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 22050-22060-22070 • ID 22.2 MM • KD 0.01 • FLOW RATE 1.60 L/H • INLET PRESSURE 0.8 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	76	82	84	87	87	88	89	
	1%	107	125	138	146	152	157	161	
FLAT TERRAIN	0	150	195	235	272	305	337	367	
	-1%	190	266	339	412	486	561	207	
DOWNHILL	-2%	237	98	90	88	86	85	85	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 22050-22060-22070 • ID 22.2 MM • KD 0.01 • FLOW RATE 2.20 L/H • INLET PRESSURE 0.8 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	70	77	82	84	85	86	87	
	1%	93	111	124	134	142	147	152	
FLAT TERRAIN	0	123	160	192	222	250	275	301	
	-1%	149	206	260	314	367	420	474	
DOWNHILL	-2%	179	259	99	92	89	88	86	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 22050-22060-22070 • ID 22.2 MM • KD 0.01 • FLOW RATE 2.80 L/H • INLET PRESSURE 0.8 BAR

	DISTANCE BETWEEN DRIPPERS (METER)								
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	
UPHILL	2%	60	67	70	73	74	76	77	
	1%	77	93	105	114	121	126	130	
FLAT TERRAIN	0	99	130	157	181	204	225	246	
	-1%	117	159	198	234	269	304	337	
DOWNHILL	-2%	130	180	124	116	103	99	96	

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 22080-22100 • ID 22.2 MM • KD 0.01 • FLOW RATE 0.35 L/H • INLET PRESSURE 1.0 BAR

	DISTANCE BETWEEN DRIPPERS (METER)									
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
UPHILL	2%	96	97.8	98	99	99	99	99	99	100
	1%	174	184	189	192	193	194	195	196	197
FLAT TERRAIN	0	383	498	600	693	779	860	937	1010	1081
	-1%	303	258	238	231	228	226	225	225	224
DOWNHILL	-2%	114	112	111	111	111	111	111	111	112

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 22080-22100 • ID 22.2 MM • KD 0.01 • FLOW RATE 0.72 L/H • INLET PRESSURE 1.0 BAR

	DISTANCE BETWEEN DRIPPERS (METER)									
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
UPHILL	2%	75	77	78	78	79	78	78	78	78
	1%	128	140	145	149	151	153	154	154	154
FLAT TERRAIN	0	239	311	375	433	487	538	586	634	681
	-1%	367	243	180	171	166	164	162	162	162
DOWNHILL	-2%	83	81	80	80	79	79	78	78	78

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 22080-22100 • ID 22.2 MM • KD 0.01 • FLOW RATE 1.05 L/H • INLET PRESSURE 1.0 BAR

	DISTANCE BETWEEN DRIPPERS (METER)									
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
UPHILL	2%	82	86	87	88	89	90	90	90	90
	1%	126	142	152	160	164	167	170	170	170
FLAT TERRAIN	0	196	255	308	355	399	440	481	521	561
	-1%	267	379	491	603	715	827	939	1051	1163
DOWNHILL	-2%	98	89	86	85	85	84	84	84	84

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 22080-22100 • ID 22.2 MM • KD 0.01 • FLOW RATE 1.60 L/H • INLET PRESSURE 1.0 BAR

	DISTANCE BETWEEN DRIPPERS (METER)									
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
UPHILL	2%	76	82	84	87	87	88	89	89	89
	1%	107	125	138	146	152	157	161	161	161
FLAT TERRAIN	0	150	195	235	272	305	337	367	397	427
	-1%	190	266	339	412	486	561	636	711	786
DOWNHILL	-2%	237	98	90	88	86	85	85	85	85

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 22080-22100 • ID 22.2 MM • KD 0.01 • FLOW RATE 2.10 L/H • INLET PRESSURE 1.0 BAR

	DISTANCE BETWEEN DRIPPERS (METER)									
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
UPHILL	2%	70	77	82	84	85	86	87	87	87
	1%	93	111	124	134	142	147	152	152	152
FLAT TERRAIN	0	123	160	192	222	250	275	301	327	353
	-1%	149	206	260	314	367	420	474	527	581
DOWNHILL	-2%	179	259	339	419	499	579	659	739	819

## MAX. LATERAL LENGTH (METERS) AT DIFFERENT SLOPES - 10% FLOW VARIATION

STREAMLINE™ X • 22080-22100 • ID 22.2 MM • KD 0.01 • FLOW RATE 2.80 L/H • INLET PRESSURE 1.0 BAR

	DISTANCE BETWEEN DRIPPERS (METER)									
	SLOPE	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
UPHILL	2%	60	67	70	73	74	76	77	77	77
	1%	77	93	105	114	121	126	130	130	130
FLAT TERRAIN	0	99	130	157	181	204	225	246	267	288
	-1%	117	159	198	234	269	304	337	371	405
DOWNHILL	-2%	130	180	224	268	312	356	400	444	488