



PYTHON™ 22080

INTEGRAL THIN-WALLED DRIPPERLINE

APPLICATIONS

- Row crop irrigation.

SPECIFICATIONS

- Maximal working pressure according to pipe wall thickness.
- TurboNet™ labyrinth with large water passages.
- 4 different flow rates.
- To be "welded" into thin-walled dripperlines (0.20 mm).
- Injected dripper, very low CV.
- Python™ drippers meet ISO 9261 Standards and production is certified by the Israel Standards Institute (SII)

FEATURES AND BENEFITS

- TurboNet™ labyrinth assures wide water passages, large deep and wide cross section improves clogging resistance.
- Wide filtration area with improved resistance to clogging.
- Injection molded dripper construction, ensuring uniform drippers and very low CV.
- Can be retrieved and reused.

DRIPPERS TECHNICAL DATA

NOMINAL FLOW RATE (L/H.)*	MAX. WORKING PRESSURE (BAR)	FLOW RATE AT MAX WORKING PRESSURE (L/H)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM X MM X MM)	FILTRATION AREA (MM ²)	CONSTANT K	EXPONENT X
0.80	0.6	0.64	0.64 x 0.39 x 23	29	0.284	0.45
1.10	0.6	0.87	0.64 x 0.50 x 23	29	0.390	0.45
1.65	0.6	1.29	0.79 x 0.60 x 23	34	0.546	0.48
2.70	0.6	2.11	0.89 x 0.85 x 23	34	0.894	0.48

* At 1.0 bar pressure

DRIPPERS FLOW VS. PRESSURE

MODEL NOMINAL FLOW RATE*	FLOW RATE (L/H.) AT PRESSURE (BAR)				
	0.40	0.45	0.50	0.55	0.60
0.80	0.53	0.56	0.59	0.61	0.64
1.10	0.73	0.77	0.80	0.84	0.87
1.65	1.06	1.12	1.18	1.24	1.29
2.70	1.74	1.84	1.94	2.03	2.11

DRIPPERLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM.)	WALL THICKNESS (MM.)	OUTSIDE DIAMETER (MM.)	MAX. WORKING PRESSURE (BAR)	KD
22080	22.20	0.20	22.60	0.6	0.03

PYTHON™ 22080

PERFORMANCE DATA

Python™ 22080 - I.D. 22.2 mm. - Kd 0.03 - Inlet pressure 0.6 bar - Nominal flow rate 0.80 l/h.
Maximum lateral length (meter) at 10% Flow variation

	SLOPE %	SPACING BETWEEN DRIPPERS (M.)					
		0.2	0.3	0.4	0.5	0.6	0.7
UPHILL	2%	76	78	79	80	80	80
	1%	129	141	147	151	153	155
FLAT TERRAIN	0%	237	311	376	435	490	542
	-1%	351	147	136	132	130	128
DOWNHILL	-2%	65	64	63	63	62	62

Python™ 22080 - I.D. 22.2 mm. - Kd 0.03 - Inlet pressure 0.6 bar - Nominal flow rate 1.10 l/h.
Maximum lateral length (meter) at 10% Flow variation

	SLOPE %	SPACING BETWEEN DRIPPERS (M.)					
		0.2	0.3	0.4	0.5	0.6	0.7
UPHILL	2%	74	77	78	79	79	80
	1%	118	133	141	146	149	151
FLAT TERRAIN	0%	194	254	307	356	400	442
	-1%	265	387	148	138	133	131
DOWNHILL	-2%	67	65	64	63	63	63

Python™ 22080 - I.D. 22.2 mm. - Kd 0.03 - Inlet pressure 0.6 bar - Nominal flow rate 1.65 l/h.
Maximum lateral length (meter) at 10% Flow variation

	SLOPE %	SPACING BETWEEN DRIPPERS (M.)					
		0.2	0.3	0.4	0.5	0.6	0.7
UPHILL	2%	64	68	69	71	71	71
	1%	96	111	119	126	130	132
FLAT TERRAIN	0%	145	191	231	267	301	332
	-1%	189	271	353	150	135	130
DOWNHILL	-2%	69	63	61	60	60	60

Python™ 22080 - I.D. 22.2 mm. - Kd 0.03 - Inlet pressure 0.6 bar - Nominal flow rate 2.70 l/h.
Maximum lateral length (meter) at 10% Flow variation

	SLOPE %	SPACING BETWEEN DRIPPERS (M.)					
		0.2	0.3	0.4	0.5	0.6	0.7
UPHILL	2%	58	64	66	68	69	70
	1%	79	94	104	112	118	122
FLAT TERRAIN	0%	106	139	168	195	220	243
	-1%	127	179	229	279	329	380
DOWNHILL	-2%	156	71	64	62	61	60

For more information, please contact Netafim Technical Department or connect to our website at : www.netafim.com

PACKAGING DATA

PYTHON™ ON CARTON COILS	WALL THICKNESS (MM.)	DISTANCE BETWEEN DRIPPERS (METER)	COIL LENGTH (METER)	AVERAGE COIL WEIGHT* (KG.)	NUMBER OF COILS IN A PALLET (UNITS)	AVERAGE PALLET WEIGHT* (KG.)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (METERS)
22080	0.20	0.15 to 0.25	1400	21.5	16	353.0	640	896000
		0.30 to 0.75	1600	23.4	16	383.4	640	1024000

*According to drippers spacing