



PYTHON™

INTEGRAL DRIPPER

22135 - 22150

APPLICATIONS

- Row crop irrigation

SPECIFICATIONS

- Recommended filtration: 130 micron / 120 mesh
- TurboNet™ labyrinth with large water passage
- To be "welded" into thin/medium-walled dripperlines (0.20, 0.25, 0.34 and 0.38mm)
- Resistant to standard nutrients used in agriculture
- Python™ drippers meet ISO 9261 Standards with production certified by the Israel Standards Institute (SII)

FEATURES AND BENEFITS

- Large filter area to ensure optimal performance.
- TurboNet™ labyrinth assures wide water passages, large deep and wide cross section improves clogging resistance. Widest water passages within the dripper.
- The water is drawn in to the dripper from the stream centre, reducing the entrance of sediments in to the drippers.
- Injection molded dripper construction, ensuring uniform drippers and very low CV.

DRIPPERS TECHNICAL DATA

PYTHON 22135 - 0.34MM WALL THICKNESS DRIPPERLINES

FLOW RATE* (L/H.)	WORKING PRESSURE RANGE (BAR)**	WATER PASSAGE DIMENSIONS WIDTH-DEPTH-LENGTH (MM.)	FILTRATION AREA (MM 2)	CONSTANT K	EXPONENT X	RECOMMENDED FILTRATION (MICRON)/(MESH)
0.80	1.5	0.64 x 0.39 x 23	29	0.284	0.45	130/120
1.05	1.5	0.64 x 0.50 x 23	29	0.373	0.45	130/120
1.60	1.5	0.79 x 0.60 x 23	34	0.529	0.48	130/120
2.70	1.5	0.89 x 0.85 x 23	34	0.894	0.48	130/120

*Flow rate at 1.0 bar pressure

** According to dripperlines wall thickness

PYTHON 22150 - 0.38MM WALL THICKNESS DRIPPERLINES

FLOW RATE* (L/H.)	WORKING PRESSURE RANGE (BAR)**	WATER PASSAGE DIMENSIONS WIDTH-DEPTH-LENGTH (MM.)	FILTRATION AREA (MM 2)	CONSTANT K	EXPONENT X	RECOMMENDED FILTRATION (MICRON)/(MESH)
0.80	1.8	0.64 x 0.39 x 23	29	0.284	0.45	130/120
1.05	1.8	0.64 x 0.50 x 23	29	0.373	0.45	130/120
1.65	1.8	0.79 x 0.60 x 23	34	0.546	0.48	130/120
2.70	1.8	0.89 x 0.85 x 23	34	0.894	0.48	130/120

*Flow rate at 1.0 bar pressure

** According to dripperlines wall thickness

DRIPPERLINE TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	MAX. FLUSHING PRESSURE (BAR)	KD	COIL LENGTH (M)
22135	22.20	0.34	22.88	1.5	1.7	0.03	1200
22150	22.20	0.38	22.96	1.8	2.1	0.03	1000

MAX. LATERAL LENGTH (METRE) AT DIFFERENT INLET PRESSURE

PYTHON™ 22135 - I.D. 22.2MM - KD 0.03 - INLET PRESSURE 1.5 BAR

FLAT TERRAIN	FLOW RATE (L/H.)	DISTANCE BETWEEN DRIPPERS (METRE)						
		0.2	0.3	0.4	0.5	0.6	0.7	0.8
	0.80	238	313	378	438	494	545	595
	1.05	200	263	318	369	415	459	500
	1.60	145	191	230	267	301	333	362
	2.70	104	136	165	191	215	238	259

Due to lateral filling time and flushing effectiveness it is not recommended to exceed 800 metres lateral length

PYTHON™ 22150 - I.D. 22.2MM - KD 0.03 - INLET PRESSURE 1.5 BAR

FLAT TERRAIN	FLOW RATE (L/H.)	DISTANCE BETWEEN DRIPPERS (METRE)						
		0.2	0.3	0.4	0.5	0.6	0.7	0.8
	0.80	238	313	378	438	494	545	595
	1.05	200	263	318	369	415	459	500
	1.65	142	187	226	262	295	326	355
	2.70	104	136	165	191	215	238	259

Due to lateral filling time and flushing effectiveness it is not recommended to exceed 800 metres lateral length