WATERMIL

WATERMIL DRIP

Durable, multi-season, pressure-compensated drip line

Agriculture is the economic sector that consumes the most water

Watermil DRIP is a multi-season, durable and reliable drip line without pressure compensation, produced with various wall thicknesses and distances between emitters. Emitters are also distinguished in terms of water expenditure. Thanks to this, the line models can be adapted to the efficiency of the water source and the required length of the line. A wide and long labyrinth is the hallmark of the Watermil line emitter. It ensures that the risk of clogging is minimized thanks to the turbulent water flow. In addition, resistance to clogging is ensured by two-hole exits (in the case when one hole is blocked, the other works normally). Watermil DRIP is a drip line ideal for orchards, foil tunnels, green areas and arable fields.

The world's water resources are scarce, therefore it has become necessary to develop an efficient and economical method of supplying water to crops. Therefore, we recommend the use of rehydration products that transport the optimal dose of water and maximize its effectiveness.

Product characteristics:

- Filter at the emiter inlet
- Constant outside diameter, independent of line wall thickness
- UV protection
- Resistance to chemicals and liquid fertilizers commonly used in agriculture
- Wall thickness: 35, 40, 45 mil (0.9; 1.0; 1.1 mm)
- Emitter efficiency: 1.0; 1.6; 2.0 l/h
- Max. pressure depending on wall thickness:
  - 35 mil – 3.0 bar
  - 40–45 mil – 3.5 bar

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Product characteristics:

- Drip line without pressure compensation.
- The best quality raw material with increased strength, which guarantees high resistance to mechanical damage.
- High resistance to clogging.
- A wide range of diameters, distances between emitters and water expenditure.
- The Watermil DRIP line is in production in a modern park machine, and it is tested in one of the best equipped laboratories in Europe. The carried out tests include: tests for even water outflow from emitters, pressure resistance, tensile strength and many others.

Flow rate	Distance between emitters	Pipe diameter 16 mm			Pipe diameter 20 mm		
(lph)	(cm)	Inlet pressure (bar)					
		1.0	2.0	3.0	1.0	2.0	3.0
1.0	33	106	122	133	-	-	-
1.0	40	123	141	154	-	-	-
1.0	50	146	168	182	-	-	-
1.0	60	167	192	209	-	-	-
1.2	33	-	-	-	142	163	177
1.2	40	-	-	-	164	188	205
1.2	50	-	-	-	193	222	241
1.2	60	-	-	-	221	254	276
1.6	33	78	90	98	-	-	-
1.6	40	90	104	113	-	-	-
1.6	50	107	123	134	-	-	-
1.6	60	123	142	154	-	-	-
2.0	33	66	76	83	92	106	115
2.0	40	77	89	96	106	122	133
2.0	50	92	105	115	125	144	157
2.0	60	105	121	131	143	165	179

Use the line length calculator

The maximum length of the drip depends on its diameter, the desired water output and the distribution of the emitters. If exceeded, the difference in water output between the beginning and the end of the line will be too high and plants will end up being overwatered at one end or underwatered at the other. The drip can be shorter than the threshold values, in which case lines with a higher output can be used to reduce the irrigation time.

Match the lines to your specific needs

Modern solutions thanks to the laboratory

Highly qualified staff and specialized equipment in the company's laboratory guarantee constant control over the manufactured assortment. Modern and professional research equipment allows for constant monitoring of production processes, testing technical parameters and functional properties of products. The in-house laboratory is also a testing ground for new solutions developed in accordance with the policy of continuous development.

Find out more about our laboratory!

MILEX

MILEX Professional Irrigation Systems
09-522 Dobrzyków, ul. Obrońców Dobrzykowa 3
tel.: +48 24 277 52 22, fax: +48 24 277 54 27
e-mail: milex@milex.pl, www.milex.pl

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