

Solutions for a green future

LUSOTAPE
J-CD05R00



The best thermoplastic solutions for infrastructure networks



Politejo Group was founded in 1978, as an industry specialized in the manufacture of thermoplastic solutions and its main activity is the production of pipes and plastic accessories for the water supply, waste water, irrigation, electricity and telecommunications.

Our strategy is based on the constant innovation of products and services, with a skilled team, able to understand the needs associated with the various sectors and present highly reliable solutions, longevity that allow the conservation of water resources and the environment.

The success of Politejo Group is based on the profile of its employees, with a family-oriented management, due to the strategic location of its manufacturing units and their complete solutions.

This profile enabled a notable growth throughout the last 40 years, and currently Politejo Group is present in Angola, Brazil, Spain, Mozambique and Portugal, with a view to expanding to new locations.

LUSOTAPE



LusoTape represents the latest technological advance in drip irrigation systems. It is a tape with a dropper formed by a continuous labyrinth filter of turbulent flow welded to the belt wall. LusoTape is suitable for irrigating crops in open field as well as soil covered crops. Its ideal use is in cut flower crops and in horticultural crops such as: onion, garlic, celery, tomato, carrot, potato, cucumber, courgette, aubergine, pepper, strawberry, melon, watermelon...

The wide range of spacing and flows gives the product great flexibility, adapting it to the multiple needs that cultivation activity requires.

Usage tips

- You must have a good particulate filtration system to avoid clogging of emitters, even when they are specially designed to avoid it. A 150 mesh filter system is recommended for a 0.6 lph dripper and 120 mesh for higher flow rates.
- Accurate means of measuring the pressure of our water flow must be available, the appropriate pressure rating being 0.7 BAR (7 m.c.a.) at the inlet to the irrigation branches.
- The primary and secondary pipes of our installation should be cleaned before starting the first irrigation to avoid clogging the drippers.
- The irrigation ribbon will always be installed with the water outlet holes facing upwards, this position being marked with two red lines along the coil.
- Even with our reel packaging, it must be protected from moisture and sunlight during storage.
- For the choice of filtration system and the characteristics of our irrigation ribbon, technical advice is recommended.
- To avoid the "magnifying glass effect" caused by covering with translucent plastics, the irrigation tape should be buried.

Characteristics

Technology

- Manufactured with the most modern technology of the market and high quality materials.

Efficiency

- Less water loss in the presence of sandy soils.

Resistance

- Excellent resistance to clogging thanks to well-designed inlet filters and good turbulent labyrinth flow, which creates a self-cleaning effect even at low operating pressures.

Installation

- Easy to install due to double red line marking.

Uniformity

- Great uniformity of emission along the entire length of the ribbon even in fertigation cycles.

Pressure

- Low sensitivity to pressure.

Maximum recommended lengths, according to 7 m.ca. spacing and 90% uniformity.

0,6 lph - recommended filtration 150 mesh

Ø	7,5 cm	10 cm	15 cm	20 cm	25 cm	30 cm
16 mm	92 mt	112 mt	146 mt	177 mt	204 mt	232 mt

0,9 lph - recommended filtration 150 mesh

Ø	7,5 cm	10 cm	15 cm	20 cm	25 cm	30 cm
16 mm	71 mt	85 mt	112 mt	135 mt	156 mt	177 mt

1,2 lph- recommended filtration 120 mesh

Ø	7,5 cm	10 cm	15 cm	20 cm	25 cm	30 cm
16 mm	61 mt	74 mt	97 mt	117 mt	135 mt	154 mt

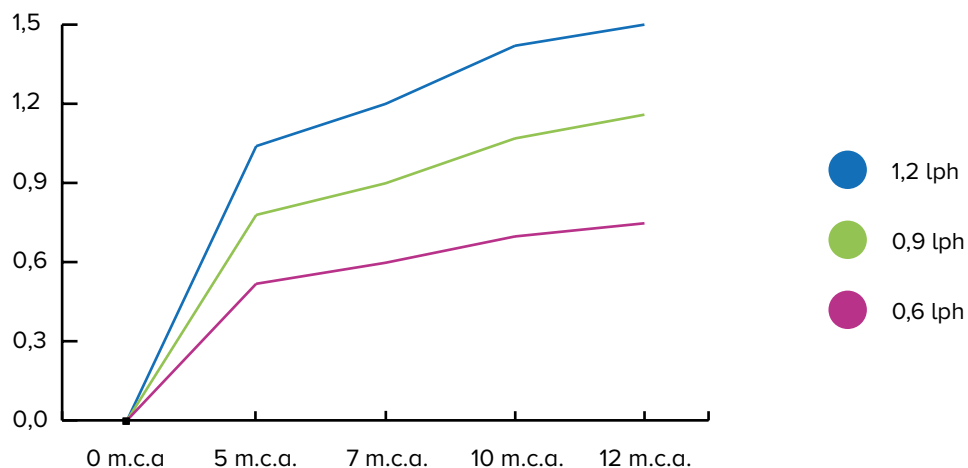
Table of roll length and roll numbers on truck**6 mil - Ø 0,15mm**

Reference	Dripper distance	Roll length	Rolls/pallets	Rolls/truck
MJLT160610XX280	10	2800	20	800
MJLT160620XX280	20	2800	20	800
MJLT160630XX280	30	2800	20	800

8 mil - Ø 0,20mm

Reference	Dripper distance	Roll length	Rolls/pallets	Rolls/truck
MJLT160810XX220	10	2200	20	800
MJLT160820XX220	20	2200	20	800
MJLT160830XX220	30	2200	20	800

Dripper hydraulic data

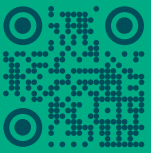


Flow	5 m.c.a	7 m.c.a	10 m.c.a	12 m.c.a	MESH filtration
0,6 lph	0,52	0,6	0,70	0,75	150
0,9 lph	0,78	0,9	1,07	1,16	150
1,2 lph	1,04	1,2	1,42	1,5	120

Notes:



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