

Solutions for a green future

LUSOGREEN
J-CD03R00



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.

LUSOGREEN



LUSOGREEN is the most obstruction-resistant flat drip tape on the market, thanks to its design and filtration. With flow rates of 0.6 lph, 1.0 lph, and 1.6 lph, it covers the majority of water needs for the crops it is designed for, and can be installed either on the surface or buried underground. It is especially designed for cultivating tomatoes, lettuces, broccoli, corn, and sugarcane.

Due to the small size of the dripper and its minimal pressure loss, it is possible to achieve longer lateral lengths. With a minimum spacing of 10 cm between drippers, it ensures perfect crop development.

Usage Tips:

- You should have a good particle filtration system to prevent clogging in the emitters, even though they are specifically designed to minimize clogging. A 150 mesh filter system is recommended for a flow rate of 0.8 lph, and a 120 mesh filter for higher flow rates.
- Accurate means of measuring water pressure should be available to ensure the nominal pressure of 1 BAR (10 meters of water column) at the entrance of the irrigation laterals.
- The primary and secondary tubes of your installation should be cleaned before the first irrigation to prevent clogging of the drippers.
- The irrigation tube should always be installed with the water outlet holes facing upward, and this position is marked with two red lines along the tube.
- Even with our coil packaging, it should be protected from moisture and sunlight during storage.
- For choosing the filtration system and determining the specifications of your irrigation tube, we recommend seeking technical advice.

Characteristics

Technology

- Manufactured with the latest technology in the market and high-quality materials.

Discharge

- A good exponent of the discharge equation.

Precision and stability

- Precision and stability in the emitted flow, thus improving uniformity and the well-being of our crops.

Installation

- Marked with red lines on the top of the irrigation tube to ensure correct installation.

Dripper

- Long lateral lengths due to low dripper pressure loss.

Applications

- Wide range of applications due to its variety of thicknesses, flow rates, and distances between drippers.

Traceability

- Traceability is guaranteed thanks to laser marking.

Recommended maximum lengths.

0,6 lph - recommended filtration 150 mesh

Diameter (mm)	10cm	15cm	20cm	30cm	50cm
16	105	135	150	200	270
22	185	205	245	320	450

1,0 lph - recommended filtration 120 mesh

Diameter (mm)	10cm	15cm	20cm	30cm	50cm
16	85	100	110	145	210
22	131	154	190	250	355

1,6 lph - recommended filtration 120 mesh

Diameter (mm)	10cm	15cm	20cm	30cm	50cm
16	60	75	90	120	210
22	95	117	140	185	255

2,0 lph - recommended filtration 120 mesh

Diameter (mm)	10cm	15cm	20cm	30cm	50cm
16	55	73	85	114	143
22	92	109	131	178	249

Rolls per container table

Inner diameter	Thickness (mm/miles)	Pressue (bar)	Rolls/pallet	Roll/ container 20 pés	Roll/ container 40 pés	Truck trailer
16,1	0,15/6	1	20	400	800	800
16,1	0,20/8	1	20	400	800	800
16,1	0,25/10	1	20	400	800	800
16,1	0,30/12	1	20	400	800	800

Roll length and number of rolls in the truck table**6 mil - Ø 0,15mm**

Reference	Distance between drippers	Roll length	Rolls/pallet	Rolls/truck
JLG160610XX270	10	2.700m	20	800
JLG160615XX300	15	3.000m	20	800
JLG160620XX330	20	3.300m	20	800
JLG160625XX330	25	3.300m	20	800
JLG160630XX350	30	3.500m	20	800

8 mil - Ø 0,20mm

Reference	Distance between drippers	Roll length	Rolls/pallet	Rolls/truck
JLG160810XX230	10	2.300m	20	800
JLG160815XX230	15	2.300m	20	800
JLG160820XX250	20	2.500m	20	800
JLG160825XX250	25	2.500m	20	800
JLG160830XX270	30	2.700m	20	800

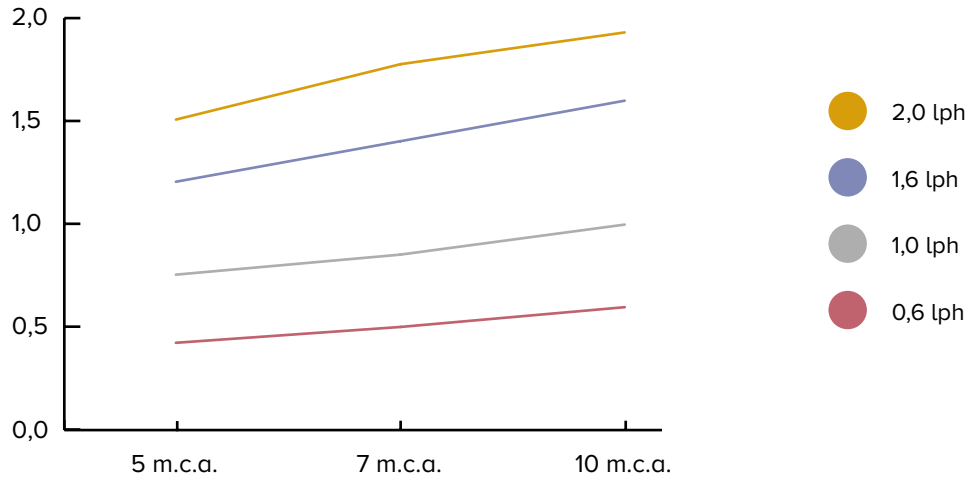
10 mil - Ø 0,25mm

Reference	Distance between drippers	Roll length	Rolls/pallet	Rolls/truck
JLGL 6101 0XX150	10	1.500m	20	800
JLG161015XX150	15	1.500m	20	800
JLG161020XX180	20	1.800m	20	800
JLG161025XX180	25	1.800m	20	800
JLG161030XX200	30	2.000m	20	800

12 mil - Ø 0,30mm

Reference	Distance between drippers	Roll length	Rolls/pallet	Rolls/truck
JLG161210XX130	10	1.300m	20	800
JLG161215XX130	15	1.500m	20	800
JLG161220XX150	20	1.500m	20	800
JLG161225XX150	25	1.500m	20	800
JLG161230XX170	30	1.700m	20	800

Flow rate (lph) / Pressure (m.c.a.)

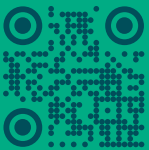


Fluxo	5 m.c.a	7 m.c.a	10 m.c.a	MESH Filtration
0,6 lph	0,42	0,5	0,6	150
1,0 lph	0,75	0,85	1,0	120
1,6 lph	1,2	1,4	1,6	120
2,0 lph	1,5	1,8	2,0	120

Flow rate (L/H)	Discharge equation
0,6 lph	$q=0,208.h^{0,460}$
1,0 lph	$q=0,347.h^{0,459}$
1,6 lph	$q=0,555.h^{0,460}$
2,0 lph	$q=0,213.h^{0,490}$



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