

Solutions for a green future

LUSOPC
J-CD04R00



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.

LUSOPC



The LusoPc is a pipe with a long self-compensating compressed type dripper, which allows precision water application on variable topography and the installation of long laterals and great accuracy in the flow emitted. In addition to the self-compensating dripper, the LusoPc also features an anti-siphon option for underground irrigation solutions and an anti-drainage option to keep the irrigation installation under load. perfect for fertigation. This irrigation pipe is made of materials that give it high tensile strength and great resistance to chemical wear, scratches and tears.

The LusoPc is manufactured in different thicknesses, diameters, distances between drippers and flow rates, making it a very versatile pipe for any type of plantation due to its self-compensating drip system.

Usage tips

- It 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.

Features

Raw materials

- High quality raw materials and a unique blend prepared by a technical team with more than 30 years' experience in the sector.

Reuse

- Reusable tube, which can be collected and installed for different plantations.

Precision and stability

- High precision and stability in the flow rate emitted thanks to the emitter's self-compensating system, thus improving the uniformity and well-being of our crops.

Resistance

- Great resistance to emitter clogging due to its long, state-of-the-art dripper.

Installation

- Red line marking on the top of the irrigation pipe to ensure correct installation.

Dripper

- Dripper most popular use for forest plantations.

Applications

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

Maximum recommended lengths

1,1 lph - recommended filtration 120 MESH

Pressure	Spacing (cm)									
	20	25	30	33	40	50	60	70	75	100
10 m.c.a.	100	124	149	158	196	242	261	292	300	378
15 m.c.a.	146	169	192	211	247	275	328	369	382	461
20 m.c.a.	159	193	228	243	280	342	383	407	450	553
25 m.c.a.	182	216	251	273	308	375	435	479	506	618
30 m.c.a.	200	237	275	300	350	406	468	513	548	677
35 m.c.a.	209	253	298	319	362	445	502	561	582	727

1,5 lph - recommended filtration 120 MESH

Pressure	Spacing (cm)									
	20	25	30	33	40	50	60	70	75	100
10 m.c.a.	80	100	121	130	150	177	208	231	242	296
15 m.c.a.	112	130	148	162	190	218	262	289	306	376
20 m.c.a.	136	159	182	196	226	269	306	351	360	447
25 m.c.a.	148	176	204	219	250	300	349	392	407	498
30 m.c.a.	159	190	222	240	277	328	375	411	441	544
35 m.c.a.	173	205	238	257	297	350	408	458	472	578

2,0 lph - recommended filtration 120 MESH

Pressure	Spacing (cm)									
	20	25	30	33	40	50	60	70	75	100
10 m.c.a.	60	75	91	96	106	127	156	171	179	225
15 m.c.a.	80	99	119	128	147	172	198	225	232	281
20 m.c.a.	101	120	139	149	170	210	231	260	275	342
25 m.c.a.	110	131	153	166	192	225	257	291	306	375
30 m.c.a.	118	143	168	180	204	249	279	318	332	353
35 m.c.a.	127	153	179	193	223	260	302	336	353	437

3,8 lph - recommended filtration 120 MESH

Pressure	Spacing (cm)									
	20	25	30	33	40	50	60	70	75	100
10 m.c.a.	50	56	63	68	79	98	110	121	126	157
15 m.c.a.	57	68	78	86	103	122	142	157	164	202
20 m.c.a.	70	85	100	107	122	148	167	189	197	241
25 m.c.a.	79	94	110	120	142	166	182	208	221	270
30 m.c.a.	86	102	118	133	164	178	203	232	240	292
35 m.c.a.	91	108	125	150	202	186	221	244	255	317

Table of roll length and number of rolls on truck

18 mil - Ø 0,45mm

Reference	Dripper distance	Roll length	Rolls/pallets	Rolls/truck
TLPC161820XX080	20	800	16	640
TLPC161830XX100	30	1000	16	640
TLPC161840XX100	40	1000	16	640
TLPC161850XX100	50	1000	16	640
TLPC161860XX100	60	1000	16	640
TLPC161870XX100	70	1000	16	640
TLPC161875XX100	75	1000	16	640
TLPC1618100XX100	100	1000	16	640
TLPC1618150XX100	150	1000	16	640

24 mil - Ø 0,60mm

Reference	Dripper distance	Roll length	Rolls/pallets	Rolls/truck
TLPC162420XX070	20	700	12	480
TLPC162430XX070	30	700	12	480
TLPC162440XX080	40	800	12	480
TLPC162450XX080	50	800	12	480
TLPC162460XX080	60	800	12	480
TLPC162470XX080	70	800	12	480
TLPC162475XX080	75	800	12	480
TLPC1624100XX080	100	800	12	480
TLPC1624150XX080	150	800	12	480

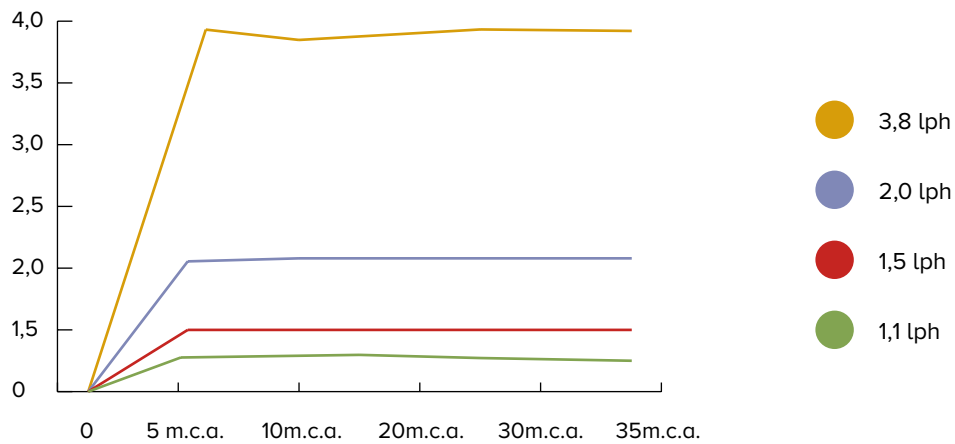
35 mil - Ø 0,90mm

Reference	Dripper distance	Roll length	Rolls/pallets	Rolls/truck
TLPC163520XX050	20	500	12	480
TLPC163530XX050	30	500	12	480
TLPC163540XX050	40	500	12	480
TLPC162450XX050	50	500	12	480
TLPC162460XX050	60	500	12	480
TLPC162470XX050	70	500	12	480
TLPC162475XX050	75	500	12	480
TLPC1624100XX050	100	500	12	480
TLPC1624150XX050	150	500	12	480

40 mil - Ø 1,00mm

Reference	Dripper distance	Roll length	Rolls/pallets	Rolls/truck
TLPC164020XX050	20	500	12	480
TLPC164030XX050	30	500	12	480
TLPC164040XX050	40	500	12	480
TLPC164050XX050	50	500	12	480
TLPC164060XX050	60	500	12	480
TLPC164070XX050	70	500	12	480
TLPC164075XX050	75	500	12	480
TLPC1624100XX050	100	500	12	480
TLPC1624150XX050	150	500	12	480

Dripper hydraulic data

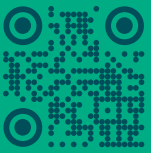


Drip Flows available	
	1,1 lph
	1,5 lph
	2,0 lph
	3,8 lph

Notes:



Solutions for
a green future



www.politejo.com
geral@politejo.com

