

Solutions for a green future

SPRINKLER
SMOOTH DRIVE
CD75R00



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.

SMOOTH DRIVE

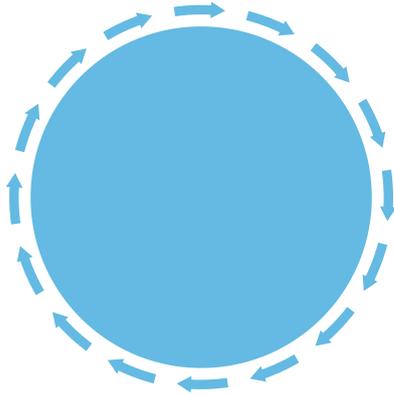


The **Smooth Drive** sprinkler is designed for irrigation in nurseries, open field and under trees. Its unique movable diffuser helps irrigate with an extremely uniform pattern that prevents dry spots from forming due to clogged supports.



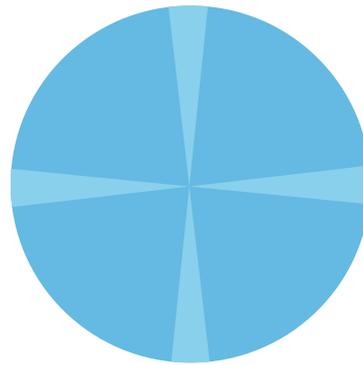
SMOOTH DRIVE

The movable sprinkler eliminates shade from the supports. Common rotating sprinklers have fixed brackets that block water, creating shadow areas. The Smooth Drive's movable diffuser eliminates shadow zones, providing uniform and unobstructed distribution.



COMMON DEVICES

Shadow created by fixed supports.
Increased durability and reliable performance.



Benefits of the Smooth Drive

- Low angle model ideal for irrigation under trees (white base).
- High angle model ideal for open field irrigation (black base).
- Precision contoured deflector provides greater reach and better distribution.
- Advanced brake mechanism for a constant, smooth rotation speed and minimum strain on the pump.
- No tools are required to access the nozzle.
- Flow rate: from 1.34 to 2.79 gpm (304 to 634 l/h).
- Operating pressure: 25 to 40 psi (1.72 to 2.76 bar).
- Cemented base to prevent theft.
- Low wind loss and evaporation at low pressures.
- The Smooth Drive sprinkler is manufactured from the finest raw materials, based on PP Polypropylene and has a ½" RH connection.

System design criteria

We have two head types for the **Smooth Drive** rotor:

AB =LOW ANGLE

AA =HIGH ANGLE

BOCAL 6 (2,38mm)				
	Pressure	2,07 BAR	2,41 BAR	2,76 BAR
	Flow (L/H)	304	329	352
	AB diameter at 0.46m height	19,8	20,4	20,7
	AA diameter at 0.46m height	20,7	21,3	21,9

BOCAL 7 (2,78mm)					
	Pressure	1,72 BAR	2,07 BAR	2,41 BAR	2,76 BAR
	Flow (L/H)	382	418	452	482
	AB diameter at 0.46m height	19,2	20,4	20,7	21
	AA diameter at 0.46m height	20,4	21,9	22,6	23,8

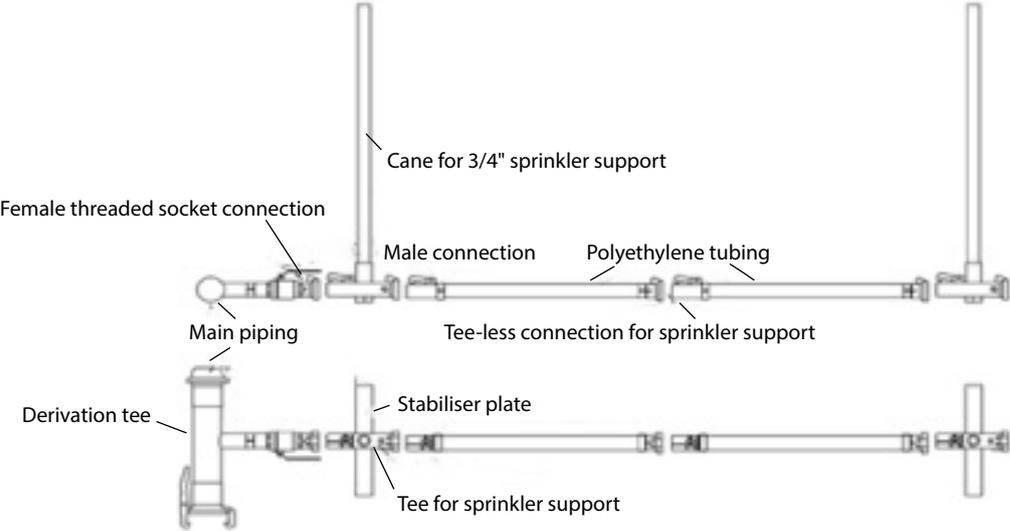
BOCAL 8 (3,18mm)					
	Pressure	1,72 BAR	2,07 BAR	2,41 BAR	2,76 BAR
	Flow (L/H)	502	550	595	634
	AB diameter at 0.46m height	19,8	20,7	21	21,6
	AA diameter at 0.46m height	21,3	22,6	23,5	23,8

Installation kits

Power sets for **Smooth Drive**.



T M-H coupling (DN50-DN63) made of aluminium or PE.



Notes:



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