



Leader 50 Solis et Pluvia Ø 50 mm x 180 m

Leader Solis et Pluvia – Smart Solar-Powered Irrigation

Solar-powered electrical system with 180 meters of 50 mm hose, 24V electric motor, and a programmable control unit with remote control for precise and efficient irrigation.

Solis et Pluvia represents the evolution of sustainable irrigation: an advanced system powered by solar energy and a low-consumption electric motor, ensuring efficiency, precision, and optimized water management.

Key benefits:

Solar-powered, independent from the electrical grid

24V electric motor for efficient and silent operation

Programmable control unit with remote access for smart, intuitive management

Uniform and controlled water distribution to prevent waste

Irrigation speed up to 200 m/h

Fast and repeatable irrigation cycles to maintain ideal soil moisture throughout all growth stages

Reduced soil compaction and runoff, preserving crop quality

Low energy consumption for sustainable, low-impact irrigation

inlet pressure min - max	rewind speed min - max	wetted area m2	machine weight kg.	package	gross weight kg.	dimensions cm.
1,5 - 8 bar	10 - 200 m/h	8400 mq	430	C	490	230x135x200

(* **A** box - **B** box on pallet - **C** pallets and nylon)



code
LE50180SP

STANDARD EQUIPMENT

Leader 50 m. 180 Solis et Pluvia min 10 max 200 m/h 24V
(Ø 50 mm PE hose - 180 m lenght)

with:

- electronic control panel
 - 24V electric engine
 - solar panel
 - sprinkler trolley on wheels
 - sectorial sprinkler with nozzles 9+4, 10+4, 12+4, 14+4 mm
 - adjustable flow rate and adjustable irrigation speed
 - hoseguide
 - automatic rolling stop in case of pipe rolling out of drum
 - automatic rolling stop at end irrigation
 - water passage stopping valve at end irrigation (overpressure)
 - brake for unrolling
- battery excluded



code accessories on request

- LE0012** 3 m flexible connection pipe with joints
- LE0051** extension 1 m for sprinkler trolley
- LE0052** sprinkler trolley ballasts
- LE0058** low sprinkler trolley for under trees (on alternative to standard)
- LE0059** pair of wheels in solid rubber on alternative to standard (increase)
- LE0046** filter 2" with outlet valve
- LE0035** boom 12 m in 5 pieces - 14 nozzles - sprinkling width 16 m
- LE0017** boom 16 m in 7 pieces - 18 nozzles - sprinkling width 20 m
- LE0037** filter for booms LE0017 - LE0035 with joints
(to place before flexible connection pipe code LE0012)
- LE0061** 24V 35ah battery
- LE0050** nylon packaging on pallet cm. 230x135x200 H



nozzle diameter mm.	sprinkler pressure bar	flow		max. wetted width m	useful wet width 85%	sprinkling density in mm		
		l/min	m3/h			10m/h	100m/h	150m/h
Leader Solis et Pluvia 50/180 m								
9+4	1,5	76	4,5	34	29	13,4	1,3	0,9
	2,0	88	5,3	36	31	14,7	1,5	1,0
	3,0	107	6,4	40	34	16,1	1,6	1,1
10+4	2,0	106	6,4	38	32	16,7	1,7	1,1
	3,0	130	7,8	42	36	18,6	1,9	1,2
	4,0	151	9	45	38	20,1	2,0	1,3
12+4	2,0	149	8,9	42	36	21,3	2,1	1,4
	3,0	182	10,9	47	40	23,2	2,3	1,5
	4,0	211	12,6	52	44	24,3	2,4	1,6
14+4	2,0	197	11,8	45	38	26,3	2,6	1,8
	3,0	241	14,4	48	41	30,1	3,0	2,0
	4,0	278	16,7	54	46	30,9	3,1	2,1