

Travelling Irrigator

LP25W

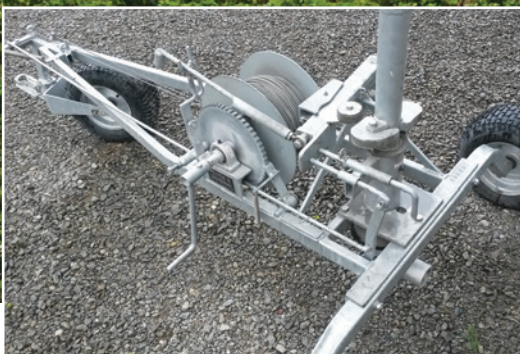
Rotating-Boom Travelling Irrigator for Water*

PATENT No. 578084

* Other models available – see our brochures for **LP35W** and **LP35E**



- 200m long irrigation-run with 25m wetted-width
- Target application depths of 6–30mm per pass
- Design flow of 6 L/s at 2 bar pressure
- Suitable for irrigation on slopes up to 7°



Patented boom design for high distribution uniformity

Pluck's travelling irrigators are designed and manufactured to the highest quality standards to give years of reliable service, and are backed by a 12-month Manufacturer's Warranty.

Features of the LP25W Travelling Irrigator include:

- 3-wheeled cart with pneumatic tyres and tow-hitch.
- 1/2-lobe cam-and-ratchet drive system with 3-speed settings.
- 200m long heavy duty pull-cable with end-of-run stop mechanism.
- Unequal length booms with 14mm rubber nozzles and diffuser.
- Optional auto-shutoff valve and cable-anchor.

Benefits of the Pluck's design include:

- Compact design for easy towing and set-up in paddock.
- Simple speed-selection to adjust application depth.
- Free-flow internals and special rubber nozzles prevent blockages.
- Wide wheel-base with front castor-wheel for stability and strait tracking.
- Patented boom design enables high distribution uniformity.
- Drum design prevents cable coning and nesting.
- Accurate stopping at end of run.
- Low wear components for low maintenance.
- Fully galvanised for protection against corrosion.

Travelling Irrigator Performance – LP25W

Operating conditions:

Line flow at pressure	: 6.0 L/sec (22 m ³ /hour) at 2.0 Bar (30 psi)	(1)
Nozzle size	: 14.0 mm	(2)
Drag-hose configuration	: 100m x LD50mm polythene pipe	(3)

Irrigation Criteria:

Application rate	: 38 mm/hour (Transect)	(4)
Distribution uniformity	: 0.82 (DU Lq)	(5)
Wetted width	: 27 m (88 ft)	(6)
Width for optimal overlaps	: 25 m (81 ft)	(7)

Performance at speed – 1 x lobe / 2 x lobes: (8)

Speed	Travel rate	Application depth (Average)	Application depth (Target-DU Lq)	Travel time (for 200m run)	Pumped volume (over 200m run)
3 (Fast)	: 1.0 / 1.8 m/min	: 14 / 7 mm	: 11 / 6 mm	: 3.4 / 1.8 hours	: 73 / 40 m ³
2 (Medium)	: 0.7 / 1.3 m/min	: 19 / 11 mm	: 16 / 9 mm	: 4.8 / 2.6 hours	: 104 / 57 m ³
1 (Slow)	: 0.4 / 0.7 m/min	: 37 / 20 mm	: 30 / 16 mm	: 9.2 / 5.0 hours	: 198 / 108 m ³

Notes: Irrigator performance figures are approximated and are based on testing under controlled conditions. Actual irrigator performance will be affected by site conditions such as pump performance, mainline length, position along run, drag-hose arrangement, equipment condition, water quality, terrain factors, wind effects, etc.

1. Flow and pressure measured at inlet to irrigator.
2. 14.0 rubber nozzle fitted as standard.
3. Recommended drag-hose configuration.
4. Nominal application rate with irrigator stationary.

5. Lower quartile distribution uniformity measured without overlaps.
6. Measured width of application without overlaps.
7. Recommended width of run for optimal overlaps giving best distribution uniformity.
8. Target application depth is the applied depth adjusted for distribution uniformity.

Please note that due to ongoing product development the equipment details and specifications are subject to change without notice.

Contact us for more information:

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