

# Travelling Irrigator

## LP35E

**Rotating-boom Travelling Irrigator  
for Effluent\***

**PATENT No. 578084**

\* Other models available – see our brochures for **LP25W** and **LP35W**



- 300m long irrigation-run with 30m wetted-width
- Target application depths of 4–11mm per pass
- Design flow of 6 L/s at 2 bar pressure
- Suitable for irrigation on slopes up to 7°

**Complies with Dairy NZ Effluent Design Standards**

**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 LP35E Travelling Irrigator include;**

- 3-wheeled cart with pneumatic tyres and tow-hitch.
- 4-lobe cam-and-ratchet drive system with 3-speed settings.
- 300m long heavy duty pull-cable with end-of-run stop mechanism.
- Unequal length booms with 11mm 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 – LP35E**

**Operating conditions:**

Line flow at pressure : 6.0 L/sec (22 m<sup>3</sup>/hour) at 2.0 Bar (30 psi) (1)  
 Nozzle size : 11.0 mm (2)  
 Drag-hose configuration : 150m x LD50mm polythene pipe (3)

**Irrigation Criteria:**

Application rate : 25 mm/hour (Transect) (4)  
 Distribution uniformity : 1.2 (DU uq) (5)  
 Wetted width : 33 m (108 ft) (6)  
 Width for optimal overlaps : 30 m (98 ft) (7)

**Performance at speed: (8)**

Speed	Travel rate	Application depth (Average)	Application depth (Target DU uq)	Travel time (for 300m run)	Pumped volume (over 300m run)
<b>3 (Fast)</b>	: 3.3 m/min	: 3 mm	: <b>4 mm</b>	: 1.5 hours	: 33 m <sup>3</sup>
<b>2 (Medium)</b>	: 2.3 m/min	: 5 mm	: <b>6 mm</b>	: 2.2 hours	: 47 m <sup>3</sup>
<b>1 (Slow)</b>	: 1.2 m/min	: 9 mm	: <b>11 mm</b>	: 4.1 hours	: 89 m <sup>3</sup>

**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.

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| 1. Flow and pressure measured at inlet to irrigator.   | 5. Lower quartile distribution uniformity measured without overlaps.                   |
| 2. 11.0 rubber nozzle fitted as standard.              | 6. Measured width of application without overlaps.                                     |
| 3. Recommended drag-hose configuration.                | 7. Recommended width of run for optimal overlaps giving best distribution uniformity.  |
| 4. Nominal application rate with irrigator stationary. | 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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