

# LePod™ Pasture Irrigation System

## SERIES II



*for greater  
profit and  
increased risk  
management*

**FarmWorks**  
Precision Farming Systems



# LePod SERIES II

Le Pod is a cost effective, easily relocated, hydraulically efficient, precise water placement pasture irrigation system.

## Advantages of Le Pod Pasture Irrigation System

### Low Capital Cost

- Allows irrigation of more marginal land
- Simple to add to scheme as funding allows
- Improved cost/benefit pasture irrigation scenarios for dry stock farming

### Simple Technology

- Easy to understand and manage
- Efficient to relocate – one person job
- Low maintenance, no special skills or tools required
- Simple to turn on and off

### Efficient Water Application

- Low sprinkler height – less wind drift, excellent water distribution pattern
- Mimics natural rainfall – efficient soil water absorption, less runoff
- Smaller droplet size – less soil compaction because of water impact
- Low pressure system – less running costs

### Versatile System

- Can be used on flat or rolling country
- Effective in unusual shaped paddocks
- Can be turned on and off quickly without the requirement for the irrigation cycle to be completed
- Can be used as a stationary irrigation system

## Good Reasons to Specify Le Pod

### Component System

- Easy assembly of the sprinkler on the Skid Base prior to the body being attached saves on installation time
- The heavy, rounded base provides a low centre of gravity, improving the efficiency of shifting the irrigation line and minimising the likelihood of pods tipping over

### Quality Materials

- High impact UV resistant plastic construction make Le Pod both rugged and durable
- High grade corrosion proof fastenings add to the longevity of Le Pod

### Innovative Design

- The white Body and Top Guard are highly visible diminishing the chance of running over Le Pod with farm machinery
- Top guard protects sprinkler from damage by stock
- Saddle Insertion Spigot, Cross Tee Anchor and Pipe clamps prevent the LePod unit slipping or twisting on the pipe

### Le Pod Pipe

- New generation, thick walled MDPE, provides a high quality pipeline for Le Pod
- Flexible and strong - less chance of kinking, enhanced pipe life
- Large bore – greater hydraulic efficiency
- Metre marked for easier pod placement during installation
- Compatible with Plasson metric OD compression fittings – no bore restriction, superior pull apart strength.



## Operating Recommendations

### Moving irrigation lines

- Typically done by an ATV
- Only move irrigation lines when operating
- Do not exceed ATV manufacturers recommendations for maximum towing weight
- Use markers on the fence posts to align the irrigation line movements at 15 metre increments
- Picking up irrigation lines is typically done using a galvanised plug with a metal ring welded onto the end which is screwed into a Plasson female coupling secured to the end of the irrigation line. This then allows a rod with a hook on the end to be used to pick up the irrigation line and secure it to the ATV
- Irrigation Line Moving Pattern.  
(see Irrigation Line Movement diagram below)

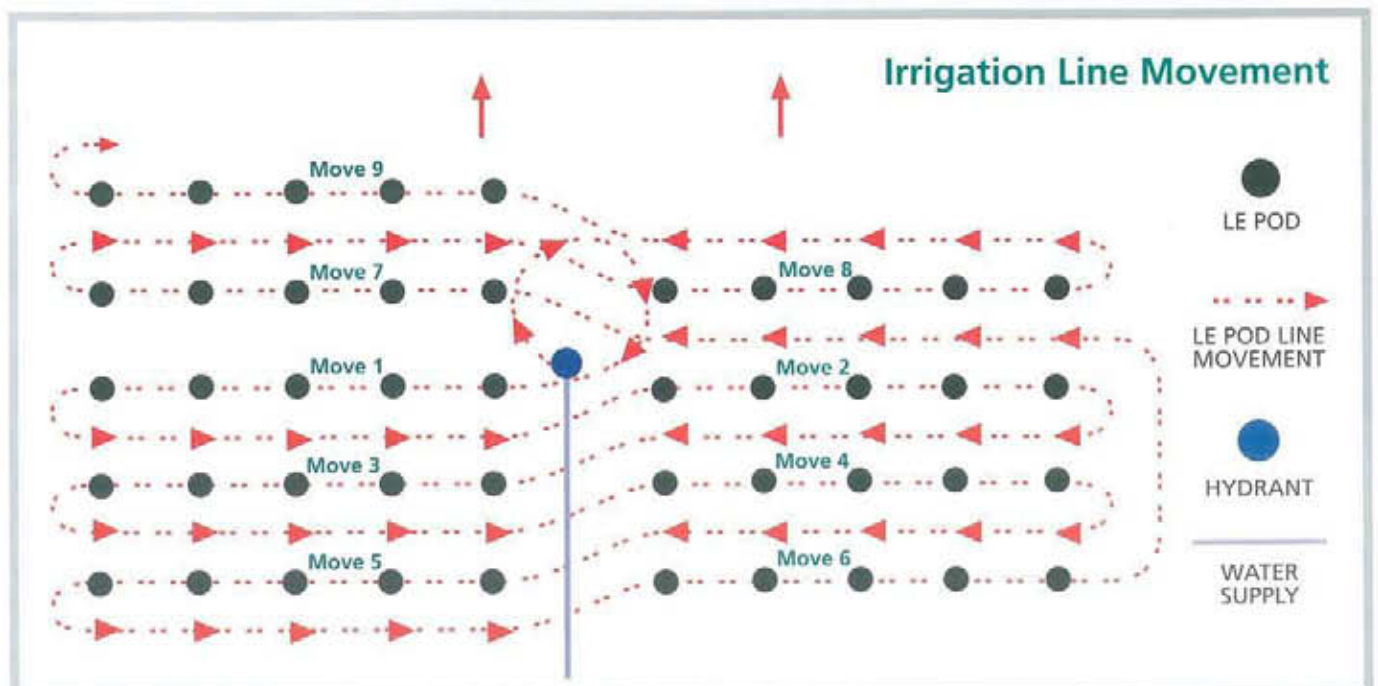
# LePod<sup>™</sup> SERIES II

### LePod Pipeline Swivel Fittings



Innovative fittings designed to reduce the possibility of twisting and kinking in the LePod pipeline.

- 40 mm swivel elbow
- 40 mm straight coupler
- 50 mm swivel elbow
- 50 mm straight coupler
- 40 mm X 50 mm reducing coupler



## Installation Recommendations and System Performance Details

### Pod Assembly

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Lay pipe over Skid Base and secure in position with Cross Tee Anchor and Pipe Clamps

Drill 14mm hole on metre mark on pipe and remove all drilling swarf

Fit rubber seal to sprinkler riser and locate riser onto pipe and cross tee anchor - ensure the 4 fastening nuts are tightened evenly

Screw sprinkler into sprinkler riser

Locate body on skid base and push firmly down to engage grip lugs

Locate and fit Top Guard. Flush the irrigation line prior to fitting the pipeline end cap to remove any drilling debris left in the pipe.

### System Specifications

- Le Pod Spacing – typically spaced at 15m intervals on irrigation line, but can change with different design scenarios
- Sprinklers are usually plastic bodied, 15mm male BSP, full-circle, impact sprinklers, but other types may also be used
- Nozzle size – usually in the size range 2.5mm to 3.2mm, but this can alter as per specification
- Wetted diameter – can be in excess of 20 metres, but allowing for 15m spacing on irrigation line and ignoring cross over of sprinklers throw most designers work on a 225m<sup>3</sup> wetted area
- Operating Pressure – typically 3.5 Bar to 4.0 Bar

### Fittings

- Reference Iplex Pipelines "Precision Farming Solutions" pamphlet for Plasson fitting assembly instructions
- Refer to manufacturers installation specifications for 12V or 39.5V electrofusion fittings

### System Management

- Moving Times – 12 or 24 hours, dependant upon system design
- Return Times – range from 8 to 14 days and are determined by things like soil structure, pasture/crop type, water availability and local climate conditions

### When to Irrigate

- Access WaterTrac program to predict soil moisture levels
  - Alternatively - run soil moisture budget, direct measurement of soil moisture level or use the services of a Farm Consultant
- ### Measuring Productivity Gains
- Access FarmTracker software and use in conjunction with a pasture dry matter measuring programme
  - Alternatively - use the services of a Farm Consultant.

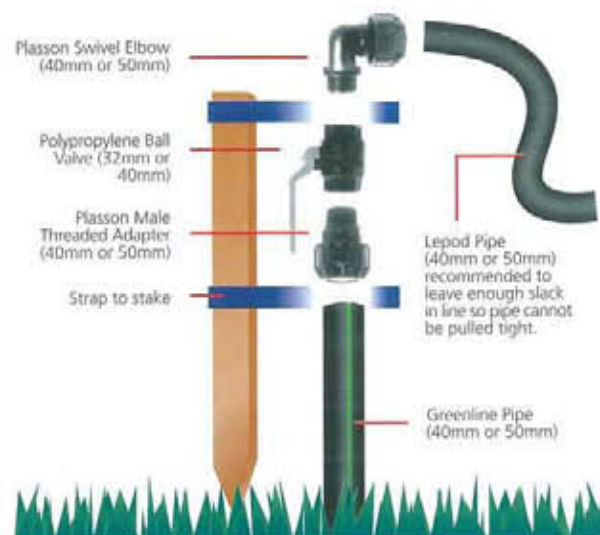
For more information contact...

### Uncoiling Le Pod Pipe

- Recommend the use of a dispensing trailer to ensure pipe is not twisted in the uncoiling process
- Do not uncoil pipe from centre of the coil as this will cause twisting
- If a trailer is not available, check that writing on the pipe is in the same position along the line, indicating that the pipe is not twisted.



### Typical LePod Hydrant Assembly



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