

IPLEX EFFLUENT PIPE

MEDIUM DENSITY POLYETHYLENE PIPE

Turning waste into profit



Code Explanation	
Product Code	Coil length (metres)
2200-90PN8-100	
OD (mm)	Pressure class

2200 Series

Iplex Pipelines effluent pipe is a metric OD sized PE80B medium density polyethylene (MDPE) pipe designed specifically for the disposal of dairy shed effluent. This pipe is typically installed above ground and jointed using camlock type fittings. This allows the pipe to be moved easily for discharge to specific paddocks. The robust nature and ease of handling of Iplex effluent pipe has made it an economical and effective choice for effluent dispersal.

FEATURES AND BENEFITS

- Efficient** Iplex effluent pipe is easily installed and lends itself to efficient relocation.
- Reliable** Iplex effluent pipe has been well proven on New Zealand dairy farms.
- Compatible** Iplex effluent pipe is compatible with other PE and PVC pipeline systems through the use of threaded Plasson fittings and camlock type fittings.
- Versatile** Iplex effluent pipe is available in a number of diameters and coil sizes. It is compatible with camlock fittings, Plasson fittings and 12 volt electrofusion fittings. This range offers an effluent pipe solution for most applications whether it be used as a drag hose or as a main line.
- Durable** Iplex effluent pipe is made from tough polyethylene.
- Economical** Above ground installation of Iplex Pipelines polyethylene pipe is an efficient and economical solution to most effluent disposal needs.
- Quality** Iplex Pipelines effluent pipe is tested to AS/NZS 4130:1997 - "PE Pipes for Pressure Applications".
- Visible** Three lilac permanent stripes on Iplex effluent pipe ensure instant identification.

DESIGN SUMMARY

Listed below are the critical design components associated with the three herd sizes and their effluent disposal system.

Herd Size (Cows)	Recommended area required (hectares)	Pump duty	Sump size (m ³)	Mainline size (mm)	Effluent applicator	Average application rate (mm/yr)	Annual nutrient deposit (270 day milking season)		
							Nutrients		
							N	P	K
200	9.0	Min. flow 15m ³ /hr Min. head 34m	4.0	65/PVC/PN6 75mm Iplex Effluent Pipe	As required	33	1296.0 Kg	135.0 Kg	1674.0 Kg
400	18.0	Min. flow 15m ³ /hr Min. head 39m	6.0	65/PVC/PN6 75mm Iplex Effluent Pipe	As required	33	2592.02 Kg	270.0 Kg	3348.0 Kg
600	27.0	Min. flow 15m ³ /hr Min. head 40m	8.0	80/PVC/PN6 90mm Iplex Effluent Pipe	As required	34	3888.0 Kg	405.0 Kg	5022.0 Kg

PRODUCT RANGE

Product Code	Nominal OD (mm)	Mean ID (mm)	Standard Coil Sizes (metres)		Pressure Rating* (Bar) (PSI)		Application
			50	100			
2200.63	63	56.8	✓	✓	6.3	91	Drag hose/main line
2200.75	75	65.8	✓	✓	8	116	Main line
2200.90	90	78.9	✓	✓	8	116	Main line

*Maximum operating pressure at 20°C