



ECOPIPE

SUSTAINABLE SOLUTIONS FOR GENERATIONS TO FOLLOW



CULVERTS / FARMING / FORESTRY



USING OUR INFRAPIPE™ SPIRAL WOUND EXTRUSION TECHNOLOGY, WE CAN GUARANTEE ECOPIPE IS ONE OF THE STRONGEST ENGINEERED CULVERT PIPES ON THE MARKET.

Why choose EcoPipe?

Beyond the obvious environmental advantages, there are multiple benefits to EcoPipe that can help save time and money during the installation and over its lifetime:

- Up to 3,200mm in diameter
- Light and easy to handle – a DN1500 EcoPipe SN8 pipe weighs 114kg/m vs a 1500 Class 4 concrete pipe which weighs 1,623kg/m
- High chemical and abrasion resistance
- We calculate the exact load requirement for your unique application, so you only pay for the pipe strength you need
- Low asset maintenance
- Uses recycled plastic
- 100-year life expectancy
- Smooth interior/bore to increase flow rates
- Socket (female) / Spigot (male) push fit connections to quickly connect to other pipes
- Pipe can be drilled/perforated for drainage and it does not affect its strength
- Pipes can be manufactured to length to save cost and wastage



What are the main uses for EcoPipe?

- Farm culverts
- Access way culverts
- Civil temporary works
- Forestry culverts
- Piping water races or creeks
- Stop bank culverts
- Flumes for surface water management

EcoPipe can be adapted in many ways to fit to existing concrete, PE or PVC culverts and even have flood gates attached if required.



EcoPipe is manufactured using recycled materials such as Post-Consumer Recycled HDPE (shampoo bottles and plastic containers etc.), recycled HDPE milk bottles and reprocessed HDPE by-product from civil pipe manufacturing.

Our goal is to meet our Circular Economy objectives by ensuring the life-cycle of HDPE products in New Zealand are extended, instead of them going to waste.

EcoPipe is a new, environmentally friendly HDPE culvert pipe manufactured locally in New Zealand by Infrapipe™.



How many milk bottles can be in a DN800 x 5.8m long pipe?
Up to 3,000

EcoPipe Loading Guide

When choosing your EcoPipe culvert pipes, it is important that the correct SN (stiffness) rating is allowed for. See below in Table 1 the SN Rating versus loads to help make the correct decision.

Loadings	SOIL COVER HEIGHTS		
	500mm	1,000mm - 10,000mm	20,000mm
Tractor/Farm Loading	SN4	SN4	SN8
Light Vehicle Loading (0.85HN Loading)	SN4	SN4	SN8
HN-HO-72 Loading	SN16	SN4	SN8





ECOPIPE SN4 DIMENSIONS & WEIGHT

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ITEM	DESCRIPTION - ALL DN SIZES ARE ID E.G. DN600 = 600MM ID	PRODUCT CODE	ID (INSIDE DIAMETER)	OD (OUTSIDE DIAMETER)	WEIGHT PER LENGTH	WATER WAY (EFFECTIVE LENGTH)	OVERALL LENGTH
DN600 SN4	DN600 SN4 Socket / SRR Spigot Connections - BLK Inner. Price excludes Rubber Rings	CULV.600.SN4.5800	600mm	676mm	111kg	5,800mm	5,940mm
DN800 SN4	DN800 SN4 Socket / SRR Spigot Connections - BLK Inner. Price excludes Rubber Rings	CULV.800.SN4.5800	800mm	896mm	190kg	5,800mm	5,940mm
DN1000 SN4	DN1000 SN4 Socket / SRR Spigot Connections - BLK Inner. Price excludes Rubber Rings	CULV.1000.SN4.5800	1,000mm	1,122mm	296kg	5,800mm	5,940mm
DN1200 SN4	DN1200 SN4 Socket / SRR Spigot Connections - BLK Inner. Price excludes Rubber Rings	CULV.1200.SN4.5800	1,200mm	1,328mm	435kg	5,800mm	5,940mm
DN1350 SN4	DN1350 Socket / SRR Spigot Connections - BLK Inner. Price excludes Rubber Rings	CULV.1350.SN4.5800	1,350mm	1,520mm	498kg	5,800mm	5,940mm
DN1600 SN4	DN1600 SN4 Socket / SRR Spigot Connections - BLK Inner. Price excludes Rubber Rings	CULV.1600.SN4.5800	1,600mm	1,795mm	608kg	5,800mm	5,940mm
DN1800 SN4	DN1800 SN4 Socket / SRR Spigot Connections - BLK Inner. Price excludes Rubber Rings	CULV.1800.SN4.5800	1,800mm	2,034mm	693kg	5,800mm	5,940mm
DN2000 SN4	DN2000 SN4 Socket / SRR Spigot Connections - BLK Inner. Price excludes Rubber Rings	CULV.2000.SN4.5800	2,000mm	2,242mm	1029kg	5,800mm	5,940mm



ECOPIPE SN8 DIMENSIONS & WEIGHT

SUSTAINABLE SOLUTIONS FOR GENERATIONS TO FOLLOW

ITEM	DESCRIPTION - ALL DN SIZES ARE ID E.G. DN600 = 600MM ID	PRODUCT CODE	ID (INSIDE DIAMETER)	OD (OUTSIDE DIAMETER)	WEIGHT PER LENGTH	WATER WAY (EFFECTIVE LENGTH)	OVERALL LENGTH
DN600 SN8	DN600 SN8 Socket / SRR Spigot Connections - BLK Inner. Price excludes Rubber Rings	CULV.600.SN8.5800	600mm	692mm	133kg	5,800mm	5,940mm
DN800 SN8	DN800 SN8 Socket / SRR Spigot Connections - BLK Inner. Price excludes Rubber Rings	CULV.800.SN8.5800	800mm	922mm	239kg	5,800mm	5,940mm
DN1000 SN8	DN1000 SN8 Socket / SRR Spigot Connections - BLK Inner. Price excludes Rubber Rings	CULV.1000.SN8.5800	1,000mm	1,166mm	369kg	5,800mm	5,940mm
DN1200 SN8	DN1200 SN8 Socket / SRR Spigot Connections - BLK Inner. Price excludes Rubber Rings	CULV.1200.SN8.5800	1,200mm	1,370mm	498kg	5,800mm	5,940mm
DN1350 SN8	DN1350 SN8 Socket / SRR Spigot Connections - BLK Inner. Price excludes Rubber Rings	CULV.1350.SN8.5800	1,350mm	1,550mm	587kg	5,800mm	5,940mm
DN1600 SN8	DN1600 SN8 Socket / SRR Spigot Connections - BLK Inner. Price excludes Rubber Rings	CULV.1600.SN8.5800	1,600mm	1,838mm	794kg	5,800mm	5,940mm
DN1800 SN8	DN1800 SN8 Socket / SRR Spigot Connections - BLK Inner. Price excludes Rubber Rings	CULV.1800.SN8.5800	1,800mm	2,046mm	974kg	5,800mm	5,940mm
DN2000 SN8	DN2000 SN8 Socket / SRR Spigot Connections - BLK Inner. Price excludes Rubber Rings	CULV.2000.SN8.5800	2,000mm	2,342mm	1376kg	5,800mm	5,940mm

NOTE: All SN8 product is made to order and the other sizes DN700, DN900, DN1100, DN1500 & DN2300 & DN3200 in SN4 are made to order.



Installation Guidelines

It is important to install EcoPipe properly as this will guarantee a long service life and ensure that there is no risk of structural damage.

The installation of these pipes is based on a granular backfill like gravel or sand that must be compacted as much as possible (to 95% MDD). This gives the pipe adequate side support to sustain the soil and vehicle loadings throughout the culvert's life.

Please contact Infrapipe (fynnm@infrapipe.co.nz) if you have any questions regarding the installation or supply of HDPE culvert pipes.



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