



Lifestyle Domestic Wastewater Systems

Technical Guide R1.20

Hynds Lifestyle Systems are a high performing range of aerated wastewater treatment systems for domestic applications that offer environmentally sensitive alternatives to the septic tank.



Applications

- Residential properties
- Irrigation for landscaping

Product Attributes

- High quality wastewater treatment
- Genuine 24-hour emergency capacity
- Simple IP rated control and alarm system
- Quiet and economic operation

Approvals/Standards

- Tested and certified at the Rotorua Trials (OSET-NTP)

Quality

- Manufactured to ISO 9001 Quality Standards

Hynds Lifestyle Systems - The next generation of aerated wastewater treatment.

Hynds Lifestyle Systems are high performing modular wastewater treatment systems, which can be designed for all domestic applications. The systems are designed to easily blend into the landscaped environment. They offer high quality treatment performance, low running cost, and can be maintained by Hynds approved local service agents.

Hynds Wastewater Treatment Systems. Proven Submerged Aerated Filtration (SAF) Technology.

This tested and proven secondary treatment process produces a clear, odourless liquid suitable for irrigation of landscaped gardens, bushes or trees.

Installation

The installation of a Hynds Lifestyle System will be completed by an approved Hynds Installer. Installation of the treatment system and irrigation field is typically completed within one day.

Design

Hynds wastewater treatment systems are designed to suit specific site conditions and household requirements. Each system's design includes an assessment of the local Council regulations, or consent conditions.

Your local Hynds approved Installer will provide a free site visit to determine the most appropriate location of the system, landscaping, and drainage requirements, and on request can provide a report for council consent and a quotation for the appropriate Hynds wastewater system.

Performance

The unique design of Hynds Lifestyle Systems offers a level of performance unrivalled by traditional disposal methods. All Hynds Lifestyle Systems are designed to exceed New Zealand Standards for disposal of wastewater and are guaranteed to meet the following criteria:

- BOD₅ <20
- Suspended Solids <30mg/L
- Ammonia <5mg/L
- >99% faecal coliform removal
- Total Nitrogen <25mg/L (Lifestyle 'Advanced')
- Total Nitrogen <15mg/L (Lifestyle 'Ultimate')

Servicing

Your local Hynds approved service provider can offer a service contract to ensure ongoing optimum system performance. Two visits per annum are recommended to ensure compliance with council rules or resource consent conditions. The service provider offers back-up support with each service contract.

System	Number of Tanks	Treatment Volume (L/day)	Treatment Tanks Dia. (mm)	Treatment Tank Height (mm)	Treatment tank inlet from underside of tank (mm)	Elite Primary Tank Length (mm)	Elite Primary Tank Width (mm)	Elite Primary Tank Height (mm)
Lifestyle Advanced	1	1800	2500	2500	1915			
Lifestyle Ultimate	1	1800	2500	2500	1915			
Lifestyle Elite	2	3000	2500	2500	1915	3300	1240	1970

TABLE 1 North Island

Code	Description
CLE8500A.D42-IR	Advanced Lifestyle System (internal sludge)
CLE8500A.D42-ER	Elite Lifestyle System (to go with 4500 primary - External sludge)
CLE4500EP.TANK	Elite Primary Tank 4500lt (Use this tank with Elite Lifestyle) c/w T100 Filter
CLE8500.ULT	ULTIMATE Lifestyle System (Low nitrogen system)

TABLE 2 South Island

Code	Description
CLE8500.D-IR-SK	Advanced Lifestyle System (internal sludge)
CLE8500.D-ER-SK	Elite Lifestyle System (to go with 4500 primary - External sludge)
CLE4500EP.TANK	Elite Primary Tank 4500lt (Use this tank with Elite Lifestyle) c/w T100 Filter
CLE8500.ULT	ULTIMATE Lifestyle System (Low nitrogen system)

Which is the right Hynds system for your site?

Hynds Lifestyle Advanced

The Hynds Lifestyle 'Advanced' System is designed for an individual house of up to ten occupants. The treatment process is incorporated in a single precast concrete tank.

- Maximum daily flow of up to 1800L/day
- High quality treatment performance
- Household of up to 10 occupants
- Number of tanks: 1
- Total tank capacity: 8500 litres
- OSET Approved



FIG. 1 Hynds Lifestyle Advanced

Hynds Lifestyle Ultimate

The Hynds Lifestyle 'Ultimate' System is designed for an individual house of up to ten occupants and offers advanced performance in the reduction of Total Nitrogen. A large biological surge protection filter is installed on the outlet of the primary chamber.

- Maximum daily flow of up to 1800L/day
- Offers good surge protection
- Removes TN to below 15mg/L
- Household of up to 10 occupants
- Number of tanks: 1
- Total tank capacity: 8500 litres
- OSET and BOP Catchment Approved



FIG. 2 Hynds Lifestyle Ultimate

Hynds Lifestyle Elite

The Hynds Lifestyle 'Elite' System is designed to cater for the larger home, or two connected dwellings. This system offers an additional large capacity primary chamber which provides protection against surge flows that can adversely affect a system performance.

- Maximum daily flow of up to 3000L/day
- Household of up to 15 occupants (maximum 2 houses)
- Number of tanks: 2
- Total tank capacity: 13000 litres



FIG. 3 Hynds Lifestyle Elite

Irrigation

Disposal of the treated effluent from the tank is through small (16mm dia.) controlled drip emission system to evenly distribute treated effluent onto your landscaped garden, trees or bush. Various irrigation layout designs can be considered to suit your property.

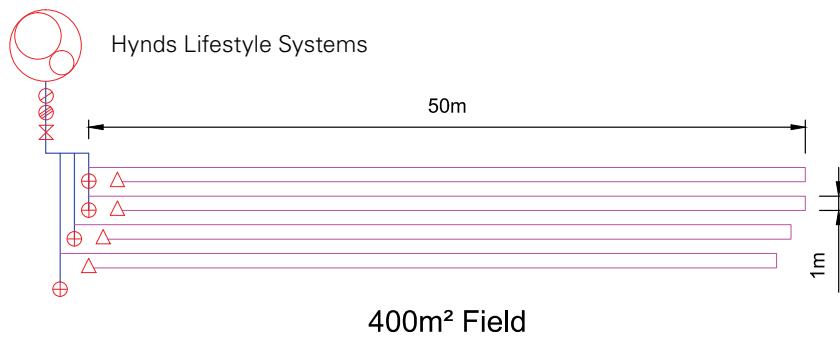


FIG. 4 Irrigation filter
IRRA25TFC130 (body)
IRRA25TFCL130 (disk)

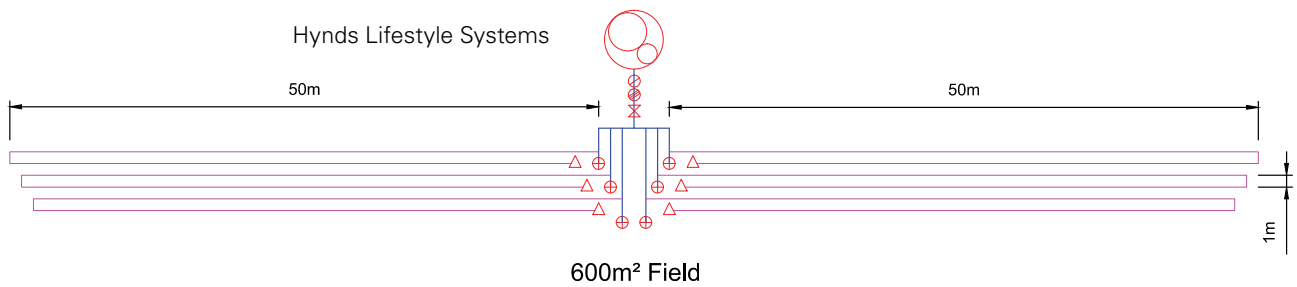


FIG. 5 Typical Layout of Irrigation Field

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Disclaimer: While every effort has been made to ensure that the information in this document is correct and accurate, users of Hynds product or information within this document must make their own assessment of suitability for their particular application. Product dimensions are nominal only, and should be verified if critical to a particular installation. No warranty is either expressed, implied, or statutory made by Hynds unless expressly stated in any sale and purchase agreement entered into between Hynds and the user.