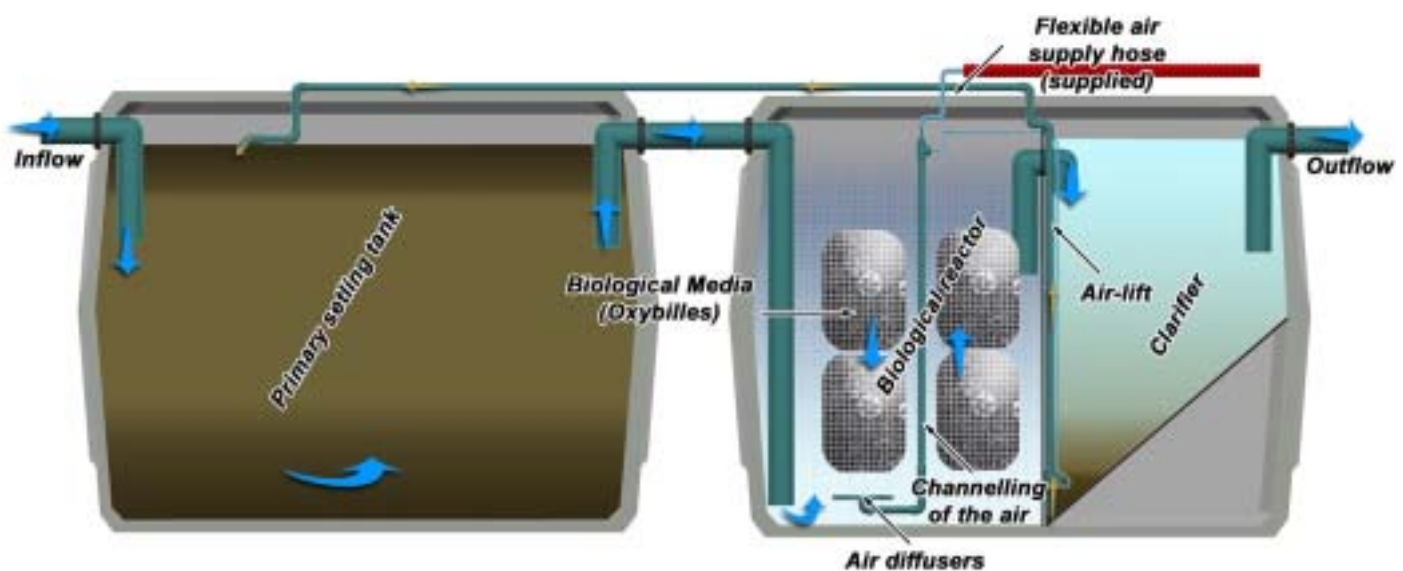


HYDRO OXYFIX

aerobic SEWAGE system

The Hydro Oxyfix sewage treatment plant is a proven technology and designed to effectively introduce air into the system. Hydro Oxyfix is effective with all household sewage waste and results in purifying the water, is easy to install and simple to operate. Hydro Oxyfix is contemporary in tank design and effective in a single or in a multi-use site.



- Population Equivalent (PE) 6 - 9
- guaranteed for two years
- first year service included
- desludging only required every 3 - 5 years
- total protection against freezing
- odour free
- cost effective quality purification
- tanks available in concrete or plastic
- designed for future extension if required
- maintenance service available

Hydro Oxyfix Treatment plant conforms to EN 12566 - 1 and EN 12566 - 3

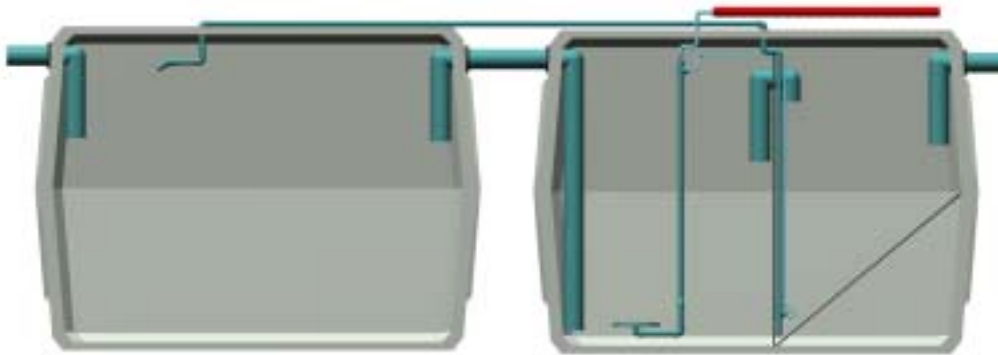
Certified under new EU legalisation for small sewage treatment plants and supersedes the Irish Agreement Board.

Primary Tank: This is the tank into which all the waste first arrives. The suspended matter settles into the lower part of this tank and undergoes a natural 'pre-treatment' by the existing anaerobic bacteria. The balanced effluent then enters the aeration tank through a gravity pipe where the organic constituents will be biologically oxidised by the microorganisms present in the activated sludge.

Aeration Tank: The central compartment houses the aeration tank and fitted with a fine air diffuser system that adds the oxygen. This air is induced at the base of the aeration tank through an air blower, in conjunction with the aeration system. The tank is also fitted with contact media called the **Hydro Oxybilles** fitted above the aeration diffusers. This enhances the bacteria performance.

Clarifier Tank: The final tank is used to separate the suspended solids from the water. The solids settle to the base of the tank where they are then recycled back to the primary tank via the air pump. The clean water overflows the final weir and is then discharged towards the percolation area.

Effluent treatment plant for single dwelling waste water treatment
Model : 6 - 9 PE Type : Hydro OXYFIX® C-90



Technical details:

Model	6-9 PE 2 x 3000
PE (Population Equivalent)	6 - 9
Bacteriological media	Hydro OXYBILLES®
Materials	Concrete
Number of tanks	2
Capacity of 1st compartment	3000 litres
Capacity of 2nd compartment	1477
Capacity of 3rd compartment	1523
Length (m)	2.38 (m)
Width (m)	1.58 (m)
Height (m)	1.79 (m)
In-Out diameter (m)	0.11
Inlet pipe height (m)	1.975 (m)
Outlet pipe height (m)	1.955 (m)
Max weight each tank (ton)	3.1
Sludge re-circulation	Air-lift
Power of the aerator (KW/h)	0,060
Power phase	1 X 230
Electrical consumption (KW/day)	1.44
Number of manholes	3 X Ø 600 mm
Control panel	Optional
Alarm	Visual
Integrated control chamber	Yes
Control box for the air blower	
Indoor control box for the installation of the air blower and a control of the aeration time	Yes (optional)
Percolation pump	Yes (optional)

SYSTEM INCLUDES

2 x 3000 litre concrete tanks with 3 compartments :

Primary settling tank

Biological aeration

Clarifier tank

- Sludge re-circulation with airlift
- Single phase air blower
- Air diffusion system
- Pipe connection
- 10 Hydro Oxybilles® media

EXCLUSIVE OPTION

Periodical Maintenance Indicator (PMI):
advises when to empty effluent
treatment plant

HYDRO OXYFIX

Tel: 046 9074776

Balreask, Trim Road, Navan. Co. Meath Fax 046 - 9072659 info@hydrointl.ie

Hydro Pure business centres around water and wastewater and has a worthy reputation for its expertise, technical know-how, practical and responsible approach to the on-going health, quality and safety of all water based systems within industrial and local communities. Hydro Pure distribute a premium range of water softeners and iron filters to the domestic and commercial markets nationally. Hydro Oxyfix is part of Hydro Pure Limited

wellbeing of your home and lifestyle