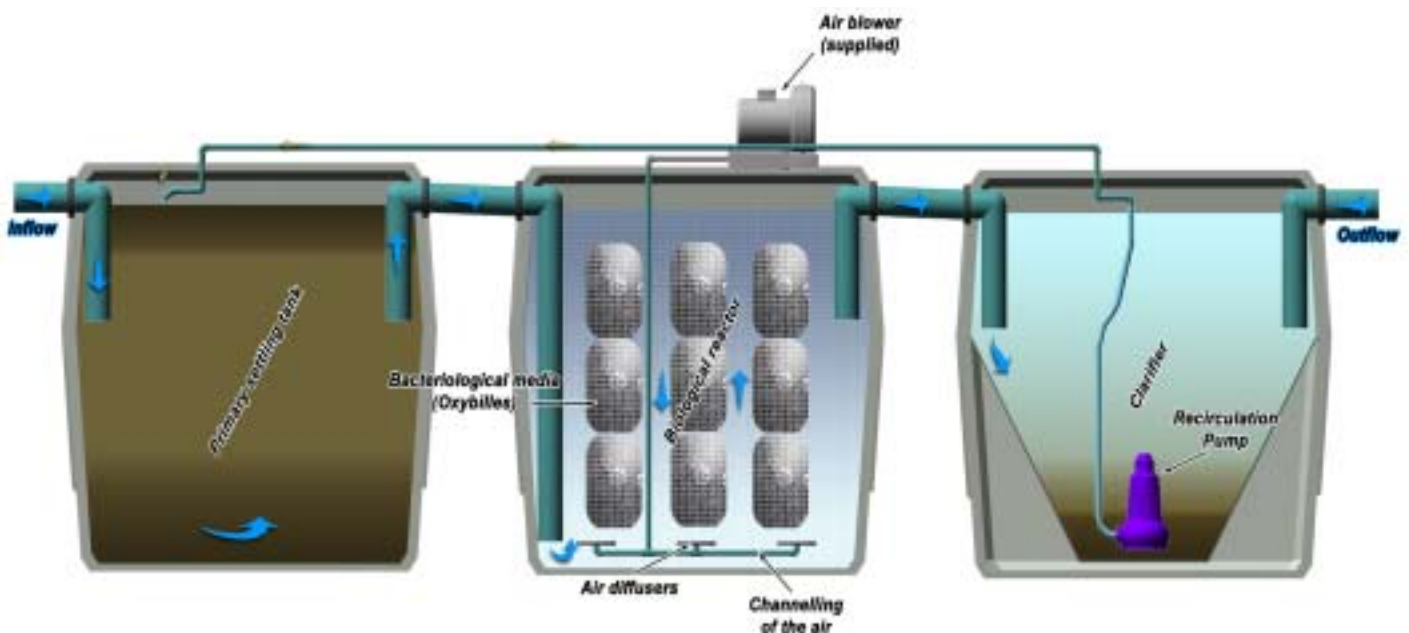


HYDRO OXYFIX

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) 15 - 20
- guaranteed for two years
- first year service included
- desludging only required every 3 - 5 years
- odour free
- total protection against freezing
- 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
EN 12566 - 3**

Certified under new EU legislation 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 micro organisms 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 development waste water treatment

Model : 15 -20 PE

Type : OXYFIX® C-90



SYSTEM INCLUDES

1 x 6000 litre concrete tank :

Primary Settling Tank

1 x 6000 litre concrete tank :

Biological aeration

1 x 6000 litre concrete tank :

Clarifier

- Sludge re-circulation with re-circulation pump
- Single phase or 3 phase air blower
- Air diffusion system
- Air channelling pipe 20m
- Pipe connection
- 24 Hydro Oxybilles® media

EXCLUSIVE OPTION

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

Technical details:

Model	15 - 20 PE
PE (Population Equivalent)	15 - 20
Bacteriological media	Hydro OXYBILL
Number of tanks	3
Capacity of each tank (litres)	6000 (litres)
Length (m)	2.38
Width (m)	1.58
Height (m)	2.19
In-Out diameter (m)	0.16
Inlet pipe height (m)	1.95
Outlet pipe height (m)	1.93
Max weight tank (ton)	3.6
Sludge re-circulation	Re-circulation pump
Power of the aerator (KW/h)	0,55
Power phase	1 x 230,3 x 230,3 x 400
Electrical consumption (KW/day)	6,6
Number of manholes	3 X Ø 600 mm
Control panel	Yes
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)

HYDRO OXYFIX

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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 Ltd.

wellbeing of your home and lifestyle