

Harlequin® HydroClear

SEWAGE TREATMENT PLANT

HydroClear HGRP12 Sewage Treatment Plant

Manufactured from tough GRP material, the HydroClear 12 pop plant is designed to be compact and structurally strong. The system can clean domestic sewage to an extremely high degree of 97.5% pollutant removal with minimal maintenance. Its ability to be installed easily along with cost effective and super quiet operation makes it suitable for a wide range of applications.



Standard Features:

- ◆ Tank body manufactured from high strength glass reinforced polyester material
- ◆ 110mm inlet and outlet connections
- ◆ Integrated lifting eyes for ease of handling and installation
- ◆ Fully secured ø450mm and 600x450mm pedestrian duty, flush fitting manhole covers complying with statutory regulations
- ◆ Choice of in-tank air blower or above ground air blower housing to suit every installation
- ◆ Easy access to the bubble diffuser within the tank
- ◆ Virtually silent operation
- ◆ Cost effective installation
- ◆ HydroClear owners can determine their own de-sludge intervals giving potential cost savings
- ◆ Mechanically reliable with no moving parts or electrics within the tank
- ◆ Certified to EN12566-3

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Optional Equipment:

- ◆ Air blower function alarm
- ◆ Pumped outlet
- ◆ Factory fit risers for 750mm or 1000mm inverts

* Maximum invert level 1,5m. Use 1200mm concrete rings to achieve inverts below max. number of risers.

Technical Data:

		Efficiency	Effluent
Treatment Efficiency	COD	94.4 %	46.9 mg/l
	BOD ₅	97.5 %	8.7 mg/l
	NH ₄ -N	95.0 %	2.3 mg/l
	N _{TOT}	57.8 %	28.0 mg/l
	Phosphorus	43.4 %	4.3 mg/l
	SS	97.0 %	12.2 mg/l
Nominal hydraulic daily load	1,800 Litres / day		
Nominal organic daily load	620g BODs / day		
Inhabitants served	10 - 12		
Desludging interval	12 months *		
Electrical consumption	2.5 kWh / day		
Power requirements	230V 105W 0.9A (start-up current)		
Volumes (at operational height)	Primary settlement – 2585 Litres Aeration chamber – 1780 Litres Final settlement – 2180 Litres		
Overall dimensions	L 3630 W 1880 H 1810 mm		
Standard inlet depth	500 mm		
Standard outlet depth	575 mm		
Depth from invert to base	1310 mm		
Pipe diameter	110 mm		
Net Weight	400 kg		

* de-sludge interval up to 12 months depending on the number of inhabitants

Issued By:

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