

Harlequin® HydroClear

SEWAGE TREATMENT PLANT

HydroClear HGRP6 Sewage Treatment Plant

Manufactured from tough GRP material, the HydroClear 6 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 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:

Treatment Efficiency		Efficiency	Effluent
	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	900 Litres / day		
Nominal organic daily load	310g BODs / day		
Inhabitants served	1 - 6		
Desludging interval	12 months *		
Electrical consumption	0.8 kWh / day		
Power requirements	230V 76W 1.0A (start-up current)		
Volumes (at operational height)	Primary settlement – 1315 Litres Aeration chamber – 790 Litres Final settlement – 600 Litres		
Overall dimensions	L 2425 W 1325 H 1640 mm		
Standard inlet depth	500 mm		
Standard outlet depth	575 mm		
Depth from invert to base	1140 mm		
Pipe diameter	110 mm		
Net Weight	200 kg		

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

Issued By:

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