

Harlequin® HydroClear

SEWAGE TREATMENT PLANT

HydroClear HC6 Wastewater Treatment Plant

HydroClear represents significant progress for the domestic wastewater treatment industry.

Contemporary design engineering and analysis software and state-of-the-art manufacturing facilities combine to create this unique product which dominates the sewage treatment plant market with class-leading BOD pollutant removal level of 97.5%.



Standard Features:

- ◆ Tank body moulded in one piece from durable medium density polyethylene material
- ◆ 110mm inlet and outlet connections
- ◆ Integrated lifting eyes for ease of handling and installation
- ◆ Fully secured 600x450mm pedestrian duty, flush fitting manhole cover complying with statutory regulations
- ◆ Above ground air blower housing delivers more reliable and efficient operation, and allows easy access for maintenance
- ◆ 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
- ◆ 300mm manhole riser(s). Max 3 risers (800mm) on a gravity tank or 2 risers (550mm) on a pumped outlet*

* Maximum invert level 2m. Use 1200mm concrete rings to achieve inverts below max. number of risers.

Technical Data:

	<i>Efficiency</i>	<i>Effluent</i>	
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	900 Litres / day		
Nominal organic daily load	310g BODs / day		
Inhabitants served	1 - 6		
Desludging interval	12 months *		
Electrical consumption	1.1 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 2400 W 1200 H 2000 mm		
Standard inlet depth	500 mm		
Standard outlet depth	690 mm		
Depth from invert to base	1500 mm		
Pipe diameter	110 mm		
Net Weight	330 kg		

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

Issued By:

Harlequin Manufacturing Limited
21 Clarehill Road, Moira, Co. Armagh, N.Ireland, BT67 0PB
T: +44 (0)28 9261 1077
W: www.harlequin-mfg.com
E: info@harlequin-mfg.com