

Harlequin® HydroClear

SEWAGE TREATMENT PLANT

HydroClear HC8 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 pollutant removal level of 97%.



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 450mm pedestrian duty, flush fitting manhole covers comply with statutory regulations
- ◆ Adjustable turrets allowing for shallower invert levels
- ◆ 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
- ◆ 24 month service period reduces operating costs
- ◆ 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

Harlequin® HydroClear

SEWAGE TREATMENT PLANT

HydroClear HC8 Wastewater Treatment Plant

Optional Equipment:

- ◆ Air blower function alarm
- ◆ Pumped outlet
- ◆ 300mm turret extension piece(s) – max. allowable invert level of 2m

Technical Data:

| | <i>Efficiency</i> | <i>Effluent</i> |
|--|---|-----------------|
| Treatment Efficiency | COD | 91.2% |
| | BOD ₅ | 96.6% |
| | NH ₄ -N | 85.8% |
| | SS | 94.7% |
| Nominal hydraulic daily load | 1,600Litres / day | |
| Nominal organic daily load | 480g BODs / day | |
| Inhabitants served | 1 - 8 | |
| Desludging interval | 12 months * | |
| Electrical consumption | 2.5 kWh / day | |
| Power requirements | 230V 105W 1.0A (start-up current) | |
| Volumes (at operational height) | Primary settlement – 3000 Litres Aeration chamber – 720 Litres Final settlement – 720Litres | |
| Overall dimensions | L 3400 W 1250 H 2560 mm | |
| Standard inlet depth | 1090 mm | |
| Standard outlet depth | 1140 mm | |
| Depth from invert to base | 1470 mm | |
| Depth from base to ground | 2560 mm | |
| Pipe diameter | 110 mm | |
| Net Weight | 450 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