

# Harlequin® HydroClear

## HydroClear HGRP6 Sewage Treatment Plant

### 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:

	<i>Efficiency</i>	<i>Effluent</i>	
<b>Treatment Efficiency</b>	COD	94.4 %	46.9 mg/l
	BOD <sub>5</sub>	97.5 %	8.7 mg/l
	NH <sub>4</sub> -N	95.0 %	2.3 mg/l
	N <sub>TOT</sub>	57.8 %	28.0 mg/l
	Phosphorus	43.4 %	4.3 mg/l
	SS	97.0 %	12.2 mg/l
<b>Nominal hydraulic daily load</b>	900 Litres / day		
<b>Nominal organic daily load</b>	310g BODs / day		
<b>Inhabitants served</b>	1 - 6		
<b>Desludging interval</b>	12 months *		
<b>Electrical consumption</b>	0.8 kWh / day		
<b>Power requirements</b>	230V 40W 1.0A (start-up current)		
<b>Volumes (at operational height)</b>	Primary settlement – 1315 Litres Aeration chamber – 790 Litres Final settlement – 600 Litres		
<b>Overall dimensions</b>	L 2425 W 1325 H 1640 mm		
<b>Standard inlet depth</b>	500 mm		
<b>Standard outlet depth</b>	575 mm		
<b>Depth from invert to base</b>	1140 mm		
<b>Pipe diameter</b>	110 mm		
<b>Net Weight</b>	200 kg		

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

### Issued By:

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