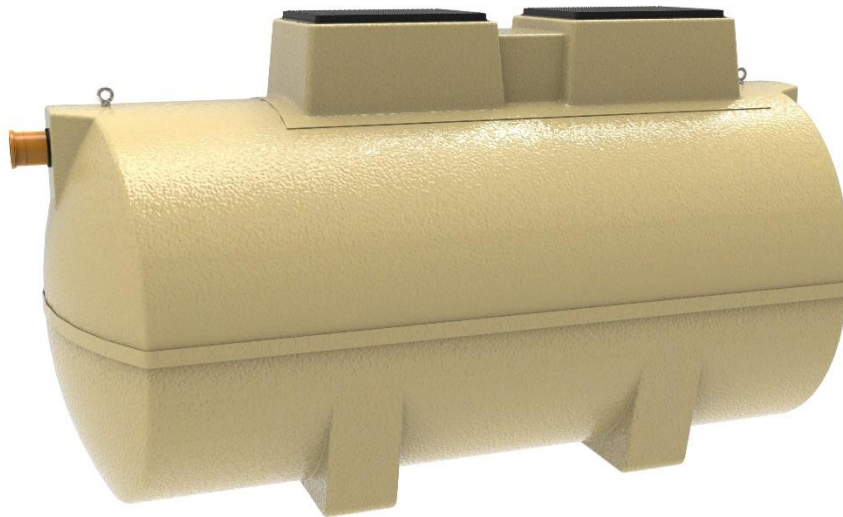


# Harlequin® HydroClear

## SEWAGE TREATMENT PLANT

## HydroClear HGRP9 Sewage Treatment Plant

Manufactured from tough GRP material, the HydroClear 9 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:

|                                 |                                                                                                     | Efficiency | Effluent  |
|---------------------------------|-----------------------------------------------------------------------------------------------------|------------|-----------|
| Treatment Efficiency            | 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 |
| Nominal hydraulic daily load    | 1,350 Litres / day                                                                                  |            |           |
| Nominal organic daily load      | 465g BODs / day                                                                                     |            |           |
| Inhabitants served              | 7 - 9                                                                                               |            |           |
| 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 – 2355 Litres<br>Aeration chamber – 1285 Litres<br>Final settlement – 920 Litres |            |           |
| Overall dimensions              | L 3100 W 1570 H 1685 mm                                                                             |            |           |
| Standard inlet depth            | 500 mm                                                                                              |            |           |
| Standard outlet depth           | 575 mm                                                                                              |            |           |
| Depth from invert to base       | 1185 mm                                                                                             |            |           |
| Pipe diameter                   | 110 mm                                                                                              |            |           |
| Net Weight                      | 260 kg                                                                                              |            |           |

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

### Issued By:

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