



## CAP6 Wastewater Treatment Plant

The Harlequin CAP6 is a compact sewage treatment plant designed specifically for domestic installations of up to 6 inhabitants (4 bedrooms).

It is a continuous aeration plant which operates using a unique bio-media system and delivers a pollutant removal level of 96.2% whilst also combatting common problems associated with small packaged domestic plants.



### Standard Features:

- ◆ Moulded from durable medium density polyethylene material
- ◆ 110mm inlet and outlet connections
- ◆ 110mm services duct
- ◆ Integrated lifting eyes for ease of handling and installation
- ◆ Fully secured 450mm pedestrian duty, flush fitting manhole cover complies 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
- ◆ A MBBR system - there is no fixed media, eliminating blockages
- ◆ Virtually silent operation
- ◆ Compact size and light weight reduces installation costs
- ◆ 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 on a gravity tank or 2 risers 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>	
<b>Treatment Efficiency</b>	COD	92.6%	64.4 mg/l
	BOD <sub>5</sub>	96.2%	13.0 mg/l
	NH <sub>4</sub> -N	71.9%	11.2 mg/l
	N <sub>TOT</sub>	58.2%	22.6 mg/l
	Phosphorus	41.0%	4.3 mg/l
	SS	96.8%	12.3 mg/l
<b>Nominal hydraulic daily load</b>	900 Litres / day		
<b>Nominal organic daily load</b>	320g 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 – 1200 Litres Aeration chamber – 600 Litres Final settlement – 600 Litres		
<b>Overall dimensions</b>	L 1660 W 1600 H 2180 mm		
<b>Standard inlet depth</b>	650 mm		
<b>Standard outlet depth</b>	825 mm		
<b>Depth from invert to base</b>	1530 mm		
<b>Depth from base to ground</b>	2180 mm		
<b>Pipe diameter</b>	110 mm		
<b>Net Weight</b>	275 kg		

### Issued By:

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