



## CAP15 Wastewater Treatment Plant

The Harlequin CAP15 is a compact sewage treatment plant designed specifically for larger domestic or small commercial installations of up to 15 people.

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 600x450mm and 450mm diameter pedestrian duty, flush fitting manhole covers comply 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 (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>	
<b>Treatment Efficiency</b>	COD	92.6%	64.0 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%	12.0 mg/l
<b>Nominal hydraulic daily load</b>	2,250 Litres / day		
<b>Nominal organic daily load</b>	800g BOD <sub>5</sub> / day		
<b>Inhabitants served</b>	13 - 15		
<b>Desludging interval</b>	12 months *		
<b>Electrical consumption</b>	2.5 kWh / day		
<b>Power requirements</b>	230V 105W 0.9A (start-up current)		
<b>Volumes (at operational height)</b>	Primary settlement – 2510 Litres Aeration chamber – 1685 Litres Final settlement – 2040 Litres		
<b>Overall dimensions</b>	L 3615 W 1620 H 2140 mm		
<b>Standard inlet depth</b>	600 mm		
<b>Standard outlet depth</b>	750 mm		
<b>Depth from invert to base</b>	1540 mm		
<b>Pipe diameter</b>	110 mm		
<b>Net Weight</b>	600 kg		

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

### Issued By:

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