



**CM Environmental Services**

Waste Water Specialists

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**SHORE SEWAGE TREATMENT  
PLANT RANGE**

***Breaking new ground with exceptional performance***



**Certified to BSEN12566-3** **2 year mechanical part warranty** **10 structural warranty**

**Industry leading biochemical results** **Economical installation** **Low electrical consumption**

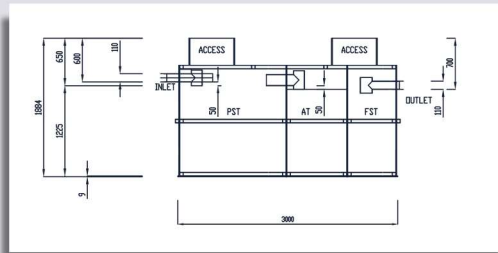


## Warehouse manufacturing:

Our shore range of tanks have been partly designed by experienced installers with a working knowledge and understanding of what is required to make the offloading and installation process as easy as possible.



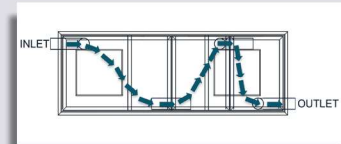
## BRAVO



## Compressor housing:

Various compressor housing options are available to suit specific sites and preferences.

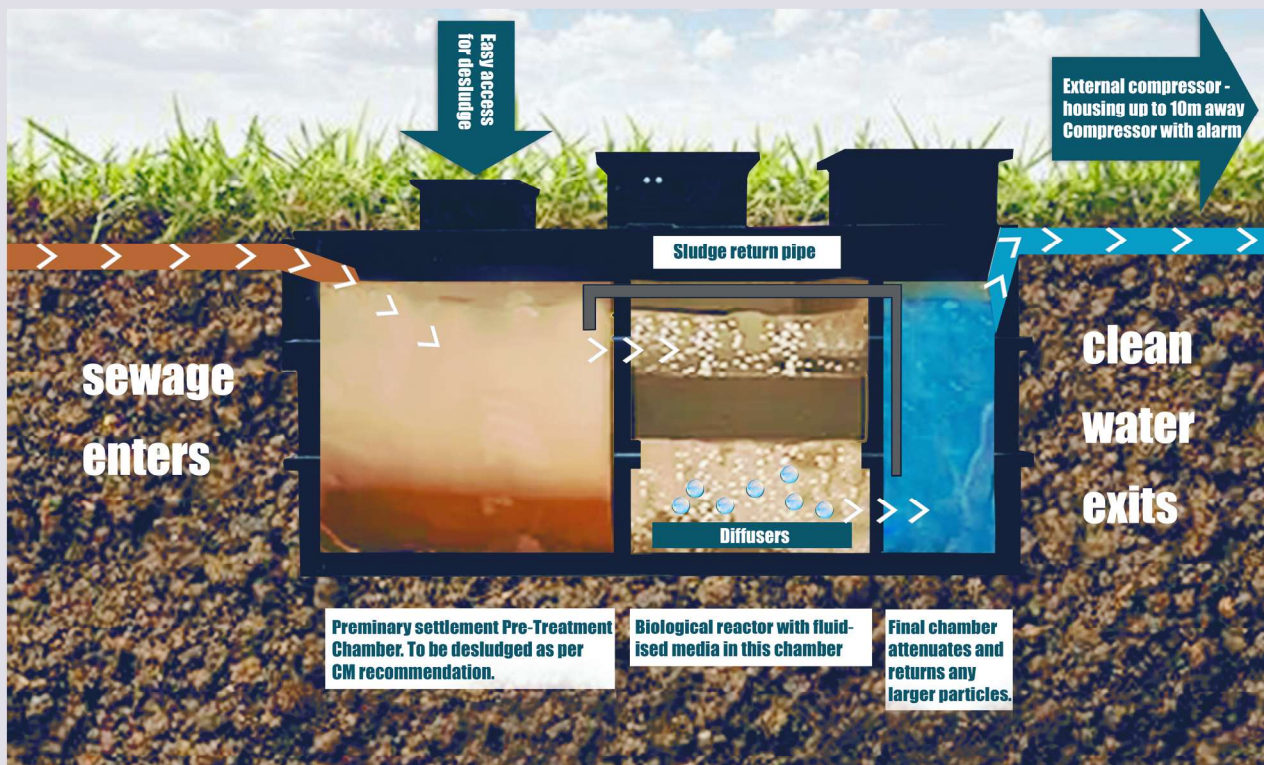
Please ask for details.



Aerial view of surface flow path

## How the Shore sewage treatment works:

The Shore plant works as a fluidised bed reactor system. It consists of a three chamber tank built in series. The first chamber is preliminary settling pre-treatment; the second chamber is the biological reactor with fluidised media; and the third chamber is final settlement utilising continuing recycling back to the primary chamber for any untreated effluent.











## Technical details and dimensions

SHORE Model	No. of people	Length M	Width M	Height M	Nominal inlet/outlet MM	Weight Empty KG	inlet invert to base M	Outlet invert to base M	Inlet invert to ground level M	Air blower rating Watts
ALPHA	1 TO 5	2.5	1.1	1.88	110	270	1.27	1.17	0.6	ET60
BRAVO	1 TO 6	3.1	1.1	1.885	110	300	1.275	1.175	0.6	ET80
BRAVO +	2 TO 8	3.1	1.5	1.885	110	340	1.275	1.175	0.6	ET80
CHARLIE	3 TO 10	3.06	1.75	1.885	110	390	1.275	1.175	0.6	ET100
DELTA	6 TO 15	3.1	2.08	1.89	110	420	1.275	1.175	0.6	ET150
ECHO	8 TO 20	3.1	2.68	1.89	110	500	1.275	1.175	0.6	ET200
FOXTROT	8 TO 25	4.2	2.3	1.91	160	580	1.3	1.285	0.6	ET250
GOLF	10 TO 30	4.33	2.5	1.91	160	600	1.3	1.285	0.6	ET300
HOTEL	14 TO 40	4.53	2.5	2.2	160	750	1.6	1.45	0.6	ET400
INDIA	16 TO 50	4.84	2.5	2.4	160	820	1.79	1.64	0.6	ET500

# PIA

Shore sewage treatment plans have been tested by the PIA GmbH to achieve BSEN 12566-3




### Benefits & Features

-  **Robust PP material - Extrusion welded, bespoke sizes can be made to suit ground conditions and footprint available. They can even be assembled on site with difficult access.**
-  **Factory fitted compressor alarm**
-  **Low cost installation - small low profile units**
-  **Rectangular shape to fit excavation saving concrete costs. Approx 2 m2 required for 5pe in good ground conditions**
-  **Industry leading final effluent standard, well below the 20:30:20mg/l required by the EA**
-  **Low electrical consumption**
-  **Optional integral pumped outlet**
-  **Optional internal compressor or external compressor/electric housing to suit site**

PERFORMANCE RESULTS	
<b>Crystal Water Technologies Limited</b> Goodhill Court, Hallam Fields Road, Ilkeston, Derbyshire, DE7 4RT, UK EN 12566-3, Annex B Small wastewater treatment systems for up to 50 PT Small wastewater treatment system SHORE Fluidised bed system in one GRP / HDPE tank Test report PIA2019-291B38	
Nominal organic daily load	0.23 kg BOD <sub>5</sub> /d
Nominal hydraulic daily load	0.75 m <sup>3</sup> /d
Material	GRP / HDPE
Treatment efficiency (nominal sequences)	COD 93.0 % BOD <sub>5</sub> 94.0 % NH <sub>4</sub> -N* 97.1 % SS 95.2 %
Electrical consumption	0.89 kWh/d
*determined for temperatures ≥ 12°C in the bioreactor	
Performance tested by: <b>PIA – Prüfinstitut für Abwassertechnik GmbH</b> (PIA GmbH) Hergenrather Weg 30 52074 Aachen, Germany	
This document replaces neither the declaration of performance nor the CE marking.	
 Normed Body No. 1778	 Certified according to ISO 9001:2008
 DAkkS DPA 1000000000 01/2019 - tested - 1/2019	 Prüfinstitut für Abwassertechnik GmbH Martina Wemmer February 2019

PIA References for Testing on Other Aspects of the Shore Range.






All available on request:

-  Watertightness (Report PIA-WD-1606-1079)
-  Durability, polyethylene (PIA2018-DH-1606-1079)
-  Structural behaviour, wet ground conditions (PIA2019-ST-PIT-1606-1079)



## Additional Extras

Depending on sites' requirements

-  Pumped outlet
-  Risers in 250mm increments
-  Non-return valve
-  D400 lids
-  Recessed lids



Prices available on request

**Shore DELTA installed**

Warranties are as follows:

Internal and external Structure - 10 years (providing the plant is installed in accordance with the details outlined in the CWT installation guide)

Compressor blower - 2 years

Fine Air Diffusers - 5 years

Submersible Pump - 2 years (for pumped outlets only)

**Contact details:**

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Hallam Fields Road  
Ilkeston,  
Derbyshire DE7 4RT**

CALL FOR A FREE QUOTE TODAY:

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