



TREATMENT PERFORMANCE RESULTS

Kingspan Environmental Ltd.
College Rd North, Aston Clinton, Aylesbury, Bucks, UK

EN 12566-1

Part 1: Prefabricated septic tanks
Results corresponding to EN 12566-1 and S.R. 66

PIA2020-SR66-2005-1020.02

Alpha Septic Tank

| | |
|---------------------------------|--|
| Material | Glass reinforced plastic |
| Structural behaviour (pit test) | Pass (for wet ground conditions also) |
| Watertightness | Pass |
| Nominal capacity | 2 m ³ (2,799 l), 3 m ³ (3,809 l), 4 m ³ (4,597 l) |
| Hydraulic efficiency | 99.50 % |
| Durability | Pass |

Tested by:

PIA – Prüfinstitut für Abwassertechnik GmbH
(PIA GmbH)
Hergenrather Weg 30
52074 Aachen, Germany

This document replaces neither the declaration of performance nor the CE marking.



Notified Body
No.: 1739



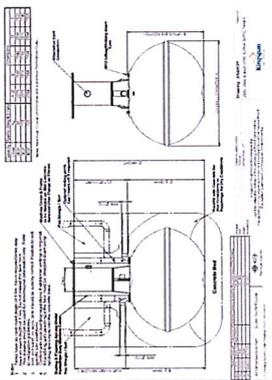
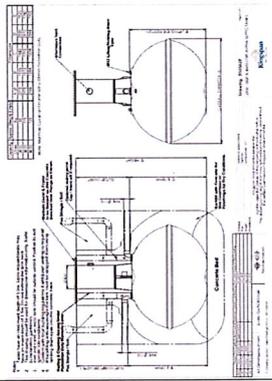
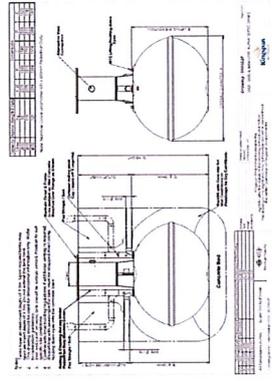
Certified according to
ISO 9001:2015

PIA - Sustainable Certification
D. Schmitz
geprüft - tested - testé

Daniela Schmitz

October 2021

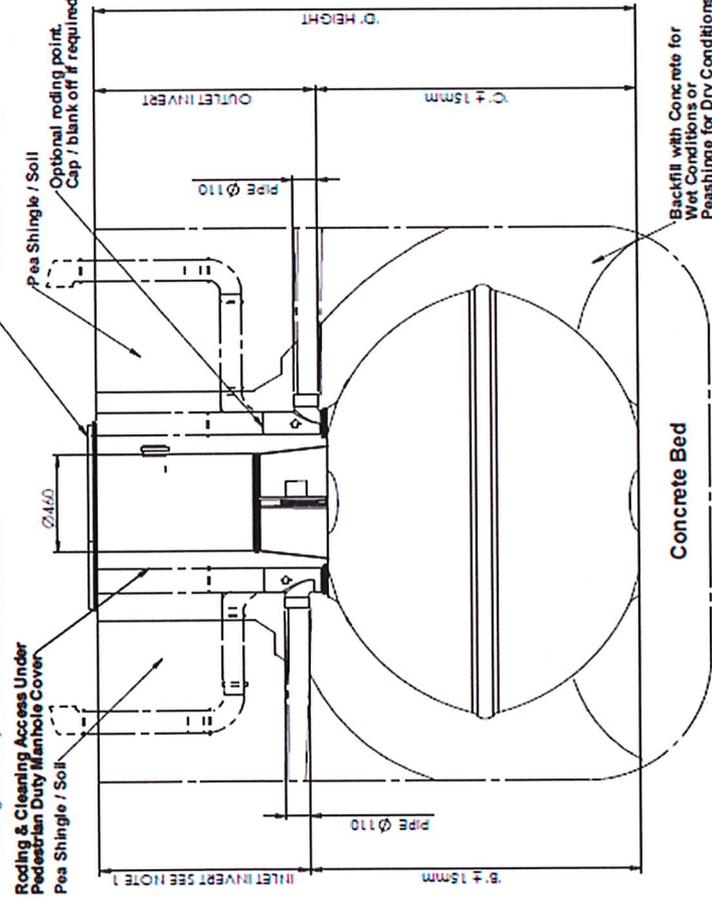
Alpha Septic Tank range and its referring test reports:

| Nominal capacity Usable volume Population equivalent (PE) | Drawing of model of the range | Watertightness and Nominal Capacity (EN 12566-1 Annex A) | Hydraulic Efficiency (EN 12566-1 Annex B) | Structural Behaviour (EN 12566-1 Annex D) | Durability |
|--|---|---|--|--|----------------------------------|
| 2 2,799 5 |  | Pass PIA2010-WD/NC-1003-1012 | Pass PIA2011-HWG-1111-1062 | Pass For wet ground conditions, 1.00 m installation depth from invert inlet | Pass PIA2021-DH-2106-1034 |
| 3 3,809 l 12 |  | Pass PIA2010-WD/NC-1003-1012 | Pass Range conformity according to S.R. 66:2015 | Pass For wet ground conditions, 1.00 m installation depth from invert inlet | Pass PIA2021-DH-2106-1034 |
| 4 4,597 l 17 |  | Pass PIA2010-WD/NC-1003-1012 | Pass Range conformity according to S.R. 66:2015 | Pass PIA2010-ST-PIT-1003-1012 For wet ground conditions, 1.00 m installation depth from invert inlet | Pass PIA2021-DH-2106-1034 |

| Capacity Litres | Approx Weight Kg | Dimensions | | | | |
|--------------------|---------------------|------------|------|------|------|------|
| | | A Ø | B | C | D | E |
| 28.00 | 85 | 2075 | 1559 | 1549 | 2599 | 1520 |
| 38.00 | 115 | 2075 | 1819 | 1769 | 2810 | 1740 |
| 46.00 | 125 | 2084 | 1984 | 1934 | 2964 | 1905 |

Note: Manhole Cover and Frame 600 x 600mm Pedestrian Duty.

- Notes:**
- Tanks have an inlet invert depth of 1.0m. Upon request tanks may have an invert depth of 1.5m. Do not extend the tank neck. This drawing should be used for dimensional information only. Refer to installation guidelines.
 - Inlet and outlet on septic tank should be suitably vented. Position to suit specific site conditions.
 - Confirm with local building regulations if additional venting is required.
 - If backfilling with pea shingle the tank must be strapped down using holding down eyes into the concrete base.



| | | | |
|---|-----------|-------------------------|-------------|
| Checked with Environmental Treatment Systems Limited for the latest issue of this drawing | Material | Manhole (if not stated) | Material |
| Date | Drawn by | Thickness | Thickness |
| 27/02/18 | WAB | Substrate | Substrate |
| 01/10/17 | WAB | Weight | Weight |
| 04/09/16 | W.D./E.R. | Modelled by | Modelled by |
| | | | |

| | | |
|---|--|---------------------------|
| Drawing : DS0552P | | Kingspan Environmental |
| 2800, 3800 & 4600 LITRE ALPHA SEPTIC TANKS | | |
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