

## Installation

The unit is normally installed with the cover flush to ground level. It may protrude above ground if required to suit groundlevels or landscaping. Siting should preferably be no closer than 7m from the nearest house.

The plant should be seated on a concrete base with a surround of pea shingle in a dry site or concrete in a wet site.

The blower housing can be located anywhere within a 15m. radius of the plant itself.

## Maintenance

The AirFlow sewage treatment plant is designed for minimum maintenance.

Klargester offers a full commissioning and after sales service.

Under normal usage the plant will require periodic emptying.

## Other products from Klargester

- Pumping Equipment
- Septic Tanks
- Cesspools
- BioDisc® Treatment Plant
- Grease Traps
- Light Liquid Separators
- Silage Effluent Tanks
- Reed Beds
- Rainwater Harvesting



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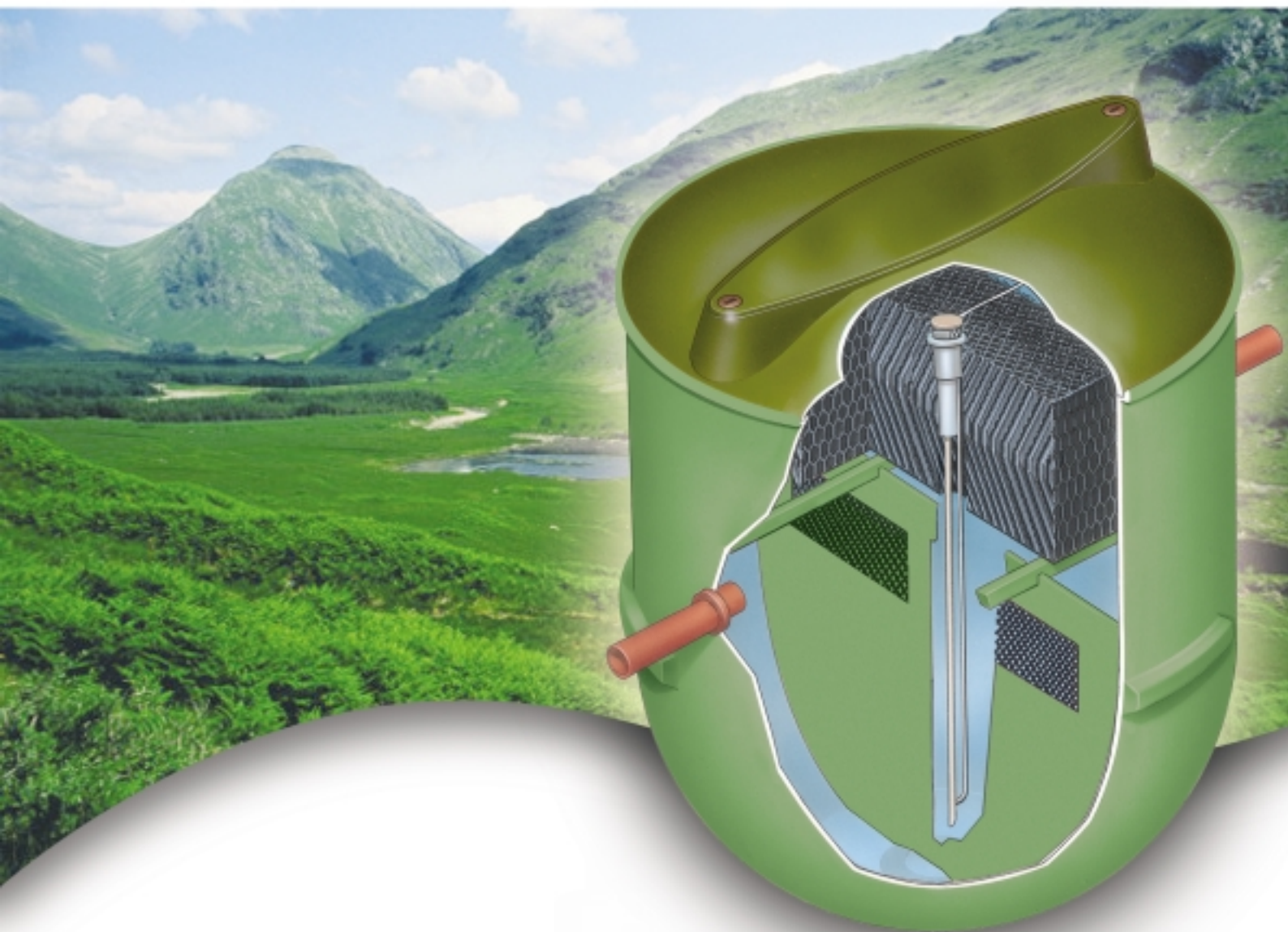
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# AirFlow AF1 - AF4

for 1-5 properties



Sewage Treatment  
for a Caring Environment

[www.klargester.co.uk](http://www.klargester.co.uk)

**Klargester**  
Treatment Systems

# Sewage Treatment for a caring environment.

## Applications

- Airflow package sewage treatment plants are available in a range extending from a single house to a population equivalent of 375 persons.

Applications for populations in excess of 375 are also catered for. For more information contact Klargester Sales.

- Individual houses.
- Small developments.
- Offices and commercial properties.
- Upgrading existing septic tanks.

## Features

- Below ground installation.
- No mechanical or electrical components within the plant.
- Single tank unit delivered direct to site.
- Quiet in operation.
- Low running costs.
- Deep inverts available on request.
- Hydraulic surge control.
- Low cost after sales service.
- Manufactured under the quality procedures of BS ISO 9001: 2000
- Low visual impact pedestrian covers.

## Design

The AirFlow sewage treatment plant employs the well proven aerobic biological process for the treatment of sewage 3 process stages take place within the single tank.

- Coarse solids are separated and retained for gradual breakdown.
- The separated liquor is continuously distributed over specialist bacteria supported media by an airlift operated by a remotely sited blower.
- Final settlement of solids takes place. Under normal domestic conditions a discharge of 20mg/l BOD, 30mg/l S.S., 20mg/l ammonia can be achieved.

## AirFlow Specification

Max no. of full-time residents	6	12	18	25
Model No.	AF1	AF2	AF3	AF4
Daily flow	m <sup>3</sup> /day 1.2	2.4	3.6	5.0
BOD Load	kg/day 0.36	0.72	1.08	1.5
Weight empty	kg 200	250	300	320
Outside diameter	m 1.88	1.88	2.6	2.6
Inlet invert	m 1.0	1.0	1.0	1.0
Inlet invert to base	m 1.2	1.7	1.6	1.6
Outlet invert	m 1.1	1.1	1.15	1.15
Motor rating	watts 60	60	150	150
Drainage fitting	mm 110	110	110	110

These charts are a general guide.

## Dispersal

Subject to the relevant authorities consent, the plant discharge can be a water course or to a designed infiltration system, provided the soil percolation test is satisfactory, to a ground soakaway.

## Options

- Integral Pumpsets - for lifting treated effluent to a level where discharge cannot be by gravity.
- Separate Sample Chambers - for accurate and convenient effluent sampling, as required by the relevant authorities.

## Advice

The information in this sales literature is only brief. For more detailed technical literature please contact Klargester.

