

# SILAGE EFFLUENT TANKS

## The perfect solution for farm waste



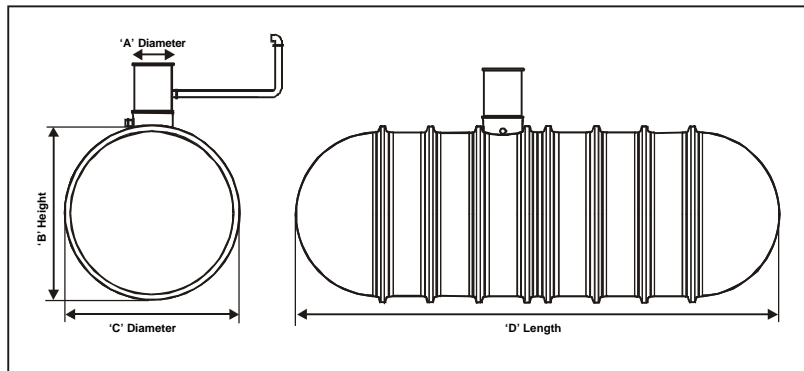
### THE CONTROL OF POLLUTION (SILAGE, SLURRY AND AGRICULTURAL FUEL OIL) REGULATIONS 1991

Farmers have a duty to avoid causing pollution and provide installations, which minimise the risk of farm effluents polluting watercourses. The Regulations are being enforced by the Environment Agency (EA) and the Scottish Environmental Protection Agency (SEPA). Klargester Silage Effluent Tanks fully meet these Regulations.

- Proven durability - tanks conform to ADAS specification, ie maintenance free design life of 20 years minimum.
- Corrosion resistant - special resins used in the Glass Reinforced Polyester (GRP) tank construction provide a more effective barrier than brick or concrete to silage liquor or slurry (if stored together).
- One piece pre-fabricated construction - eliminates risk of leakage through joints made on site.
- Quality construction - manufactured under an ISO 9002 Quality Management System, these tanks are structurally robust, rot and leak-proof for below ground installation.
- Available in a wide range of capacities - from 9000 litres (2000 gallons) to 54550 litres (12000 gallons) - see table for our standard range.

### INSTALLATION

Klargester GRP Silage Effluent Tanks are lightweight and easy to install. A concrete surround is required to counteract any ground water flotation and provide a stable installation. Standard tanks are suitable for drain depths of up to 1 metre. Tanks for 9000 litres capacity are available to suit deeper drains if required. Larger tanks require ground load protection. If installed deeper than 1 metre invert depth, consult Klargester. Full installation guidelines are supplied with each tank; copies available on request. Pedestrian duty lockable covers are available.



### TANK SELECTION

Each installation must be considered on its own merits based on the estimated volume of silage effluent produced. The Regulations outline the minimum capacity of an effluent collection system, relative to the silo capacity. The method of determining the capacity is shown in the following table.

In the majority of cases these capacities should provide at least two

days storage at peak flow for wilted silage stored in a covered silo. As moisture content and climatic conditions are so variable, guidance should always be sought from the EA, SEPA or your local MAFF office. Klargester silage effluent tanks are available in a range of sizes from 9000 litres (2000 gallons) up to 54,500 litres (12,000 gallons), for installation in wet or dry ground.

SILO CAPACITY	MINIMUM EFFLUENT TANK CAPACITY
Less than 1500m <sup>3</sup>	20 litres for every 1m <sup>3</sup> silo capacity
1500m <sup>3</sup> or more	30,000 litres plus 6.7 litres for every 1m <sup>3</sup> silo capacity in excess of 1500m <sup>3</sup>

### DIMENSIONS OF TANKS IN OUR RANGE:

CAPACITY		A ACCESS SHAFT DIA. (mm)	B HEIGHT TC INLET INVERT (mm)	C DIAMETER (mm)	D LENGTH (mm)	EMPTY WEIGHT (Kg)
Litres	Gallons					
9000	2000	600	2660	2660	Spherical	365
12000	2600	600	2150	2020	4640	775
18200	4000	600	2730	2800	4320	887
27280	6000	600	2730	2800	6190	1291
36370	8000	600	2730	2800	7740	1601
45460	10000	600	2730	2800	9460	1970
54550	12000	600	2730	2800	11180	2280

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