

# Stone trap

Designed to meet your farm needs



## Innovative and efficient

**Humes Pipeline Systems manufacture a reinforced concrete stone trap designed with a 2.4 metre entry to enable tractor buckets to clean with ease. The stone trap has been enhanced considerably compared with traditional stone traps and has innovative features to help reduce those costly repair bills on your hard working effluent pump.**

### Features

- 2.4 metre entry
- Safety grate covers
- Washdown entrance set on a 45° angle
- Unique 400mm wide weir exit

### Benefits

- Easy to clean
- Maintenance and repair requirements reduced
- Velocity of incoming washdown is slowed down allowing more time for stones and gravel to settle out
- Meets independent health & safety recommendations

## The Process

Incoming raw effluent wash flows from the dairy shed pit or yard through the farm drainage system and enters from the rear of the stone trap on a 45° angle. Any sludge, stones or gravel, that might damage the pump settle out and exit via the 400mm wide weir.

These two features contribute to slowing down the velocity of incoming wash down from the dairy shed, allowing more time for stones and gravel to settle out.



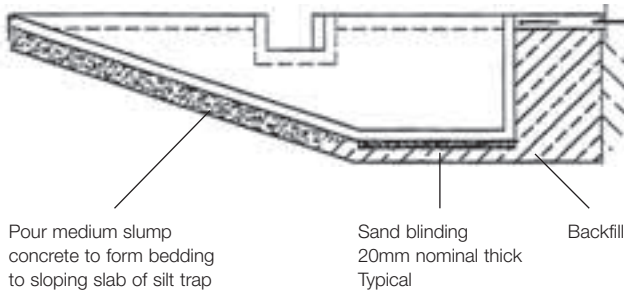
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### Installation

One of the most important considerations when purchasing a stone trap is piece of mind in terms of installation.

Humes work with rural contractors who are experienced and able to deliver quality workmanship. Humes have developed an installation programme that has been engineered, tested and documented to provide consistence in quality and output.



#### Typical installation bedding

Adequate and uniform support with no cavities under the stone trap is essential.

As ground conditions vary for each farm location contact your local Humes Rural Territory Manager for further advice.

### Maintenance

To ensure the stone trap works effectively in its primary function regular maintenance must be carried out.

Periodic cleaning is essential, it is recommended the following maintenance is carried out weekly on the stone trap:

- Check level of silt in stone trap to ensure its effectiveness
- If necessary remove covers and excavate trap contents. The stone trap is most effective when emptied regularly
- Ensure no stones are allowed to enter the sump when emptying the stone trap.

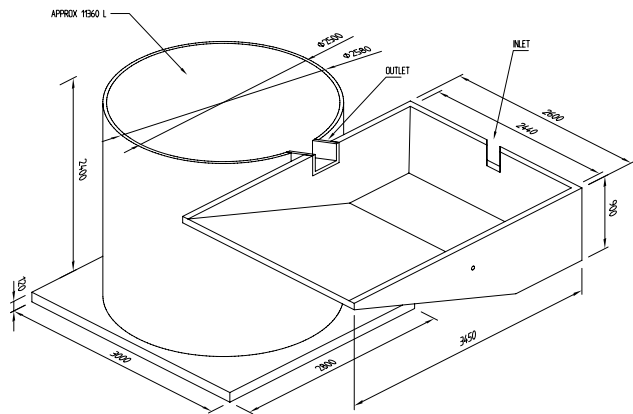


Stone trap incorporated into a Humes Effluent Management System (Refer the Humes Effluent Management System brochure for more detail)

Buyers and users of the products described in this brochure must make their own assessment of the suitability and appropriateness of the products for their particular use and the conditions in which they will be used. All queries regarding product suitability, purpose or installation should be directed to the nearest Humes Sales Centre for service and assistance. © Fletcher Concrete and Infrastructure Limited 2006. Printed 05/06.

### Stone Trap Layout and Specifications

Typical layout for the stone trap with the Humes effluent sump.



Specifications	
Length	3450
Width	2600
Depth	900
Weight without grates	3.5 tonnes
Weight with grates	

An optional extra is a stone trap hot-dipped galvanized safety grate.

### Manufacturing standards

All materials comply with the relevant New Zealand standards – NZS3109:1997 and surface finishes to NZS114:1987.

