



Humes concrete reinforced **Stone Traps** are designed to allow more time for stones and gravel to settle, ultimately reducing wear and tear on your effluent pumps.



Stone Trap

Concrete Stone Trap

APPLICATIONS

Effluent settling device in conjunction with an effluent disposal system

PRODUCT BENEFITS

Easy to clean

Quick installation

Reduce wear to your effluent pumps

STANDARDS

Manufactured to NZS 3109:1997 with surface finishes to NZS3114:1987

Humes concrete reinforced Stone Traps are a popular easy-to-clean farm effluent settling device.

Effluent enters the Stone Trap through the inlet on the back wall and swirls in a clockwise rotation forming a vortex. This innovative design allows more time for stones and gravel to settle, ultimately reducing wear and tear on your effluent pumps.

The larger Stone Trap is designed with a 2.4m entry to enable tractors or buckets to clean it with ease. For the large Stone Trap, there are two options available: the outlet on the left-hand or right-hand side. The incoming effluent wash flows from the dairy shed and enters the stone trap on a 45 degree angle and exit via the 400mm-wide weir. Both the inlet and the outlet are at the same height. The inlet and outlet are setup to slow down the velocity of the incoming effluent from the dairy shed and increase the settling period.

Correct installation is crucial. Ensure there is adequate and uniform bedding (with no cavities) under the stone trap. Ground conditions may vary, so check that the bedding material is appropriate.

To ensure the Stone Trap works effectively, regular maintenance must be carried out. During the milking season, we recommend every week:

1. Excavate out silt, stones and gravel with a tractor bucket.
2. Ensure no stones or gravel enter the outlet of the sump.

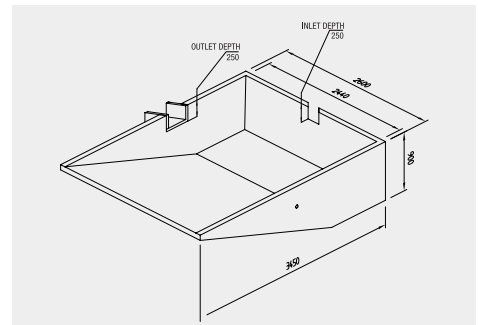


Fig 1 – Large Stone Trap

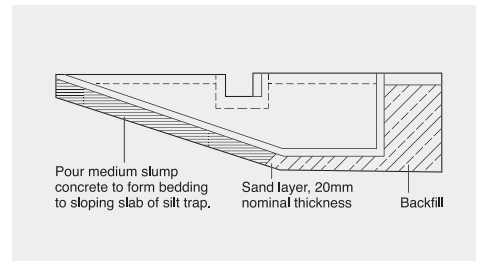


Fig 2 – Stone Trap Cross Section

Stone Trap range

CODE	SMALL	LARGE (RIGHT HAND)	LARGE (LEFT HAND)
Item Code	80091570	80091564	80091576
Length (mm)	2800	3450	3450
Width (OD) (mm)*	2250	2600	2600
Width (ID) (mm)*	2090	2440	2440
Depth (mm)	900	900	900
Weight (kg)*	2500	3400	3400

NOTES

- Inlet & outlet depths are both 250mm on the large stone trap.
- All dimensions are nominal.
- The benefits of the vortex will be affected if the inlet and outlet locations are changed outside the standard arrangement.
- The small stone trap has holes for the inlet and outlet.
- At the time of installation, fill any cracks above and below the inlet and outlet pipes with Humebond.
- The small stone trap (item code 80091570) is only available in the North Island

For further information or advice freephone 0800 502 112 or visit www.humes.co.nz

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 Branch for service and assistance.