

Concrete troughs

Designed to meet all farm needs



Quality, durability and longevity – Humes concrete troughs

Humes reinforced concrete troughs have been designed to answer many of the problems facing farmers by conventional stock watering systems. These problems include: trough water back siphoning into the stock water system/water tank and stock damaging exposed pipes and fittings.

All Humes troughs have the water supply connection under the trough which prevents damage to the supply line and fittings. The ballcock is housed in a separate chamber with a concrete cover. Another key design feature is the pipe that feeds the ballcock, runs up inside the wall of the trough to keep it protected from stock.

By the very nature of the Humes trough design, it is impossible to get a back siphoning situation. Negative pressures occur in stock water systems a lot more frequently than people realise and not only in hilly terrain. With a submerged ballcock, negative pressures cause water to be sucked from the trough back through the pipeline and water tank which can ultimately contaminate house drinking water.

Features

- Sizes and shapes to suit most applications
- Fully reinforced with steel bars or fibres
- Concrete cover over valve chamber
- Curved top edges to prevent injury
- Lamb steps supplied standard on rectangular troughs
- All troughs supplied with brass fittings top and bottom
- The pipe that feeds the ballcock runs up inside the wall of the trough
- Ballcock valve is mounted above the water

Benefits

- Quick and easy to maintain
- Pipework protected from stock damage
- No back-siphoning or water contamination



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Stock water systems

There is a lot more to designing an effective stock water system than meets the eye. It is important to ensure that the correct water volume and pressure is delivered to the trough at the right time. High pressure systems do not mean high flow systems.

The best type of stock water system is a low pressure, high flow system. If designed correctly this ensures that high volumes of water are delivered to stock when required. Low pressure systems promote the longevity of components such as valves, fittings and pipe work. High pressure systems can cause water hammer and subsequent breakages. Land elevation can cause water pressures to run outside designed parameters unless allowed for in the design stage. If no consideration for land elevation is made then this may result in excess pressures or negative pressures.

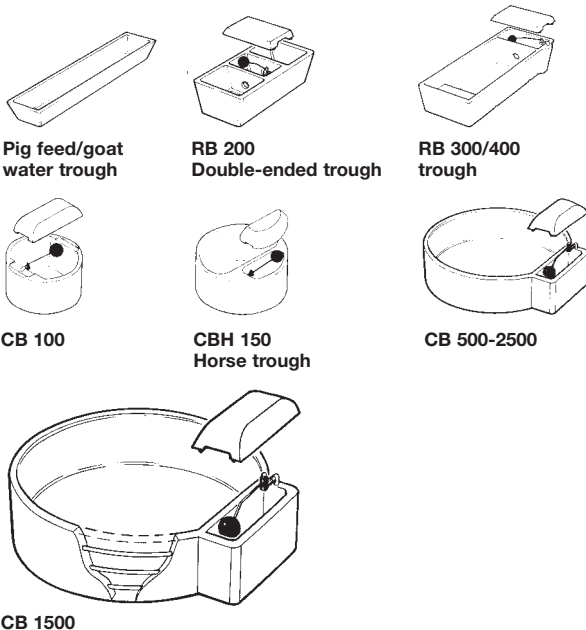
The Humes team of Rural Territory Managers are trained in carrying out expert stock water designs. Utilising Irricad™ design software Humes can design an effective stock water system to satisfy the demands of your farm.

Dairy cows require up to 70 litres of water per day. At peak times, troughs can quickly empty causing frustrated cows to kick troughs. Humes ensure the stock water system they design is up to the task.

For complete confidence in your stock water system, call you local Humes representative today.

(Refer the Humes Stock Water Systems brochure for more details)

Trough types & specifications



Rectangular troughs

Code	Capacity (litres)	Length (mm)	Width (mm)	Depth (mm)	Mass (kg)	Item code
RB 200	200 (44gal)	1300	710	380	280	05519
RB 300	300 (66gal)	1900	710	380	366	05520
RB 400	400 (90gal)	2740	710	380	525	05521
Pig feed	83 (18gal)	1000	400	230	70	05525
Goat water	167 (37gal)	2000	400	230	140	05528

Circular troughs

Code	Capacity (litres)	Width (mm)	Diameter (mm)	Depth (mm)	Mass (kg)	Item code
CB 100	100 (22gal)	800	1300	380	235	05500
CB 500	500 (110gal)	1694	1484	380	470	05502
CB 750	750 (165gal)	2024	1794	380	680	05503
CB 1000	1000 (220gal)	1857	1634	600	854	05504
CB 1500	1500 (330gal)	2235	2000	600	1034	05505
CB 2500	2500 (550gal)	2749	2500	600	1474	05506
CBH 150	150 (33gal)	900	900	400	278	05523

*Includes valve chamber

Notes:

- All dimensions external
- Water troughs, supply piping, fittings and valves are all priced individually. A check should be made with your nearest Humes Sales Centre for current details
- Ballcock sold separately

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.

