

# WATER STORAGE REGULATIONS FOR IRRIGATION

ESSENTIAL COMPLIANCE INFORMATION

**WRAS regulations now require all plumbing systems incorporate adequate backflow vention.**

## FLUID CATEGORY 5 BACKFLOW PREVENTION

Water can become contaminated in a number of ways and whilst good design and regular maintenance can eliminate many potential causes such is the concern of contamination as a result of backflow that the regulations include the requirement that all plumbing systems must incorporate adequate backflow protection.

Known as Fluid Category 5 or FC5, the scheme was put in place by The Water Regulations Advisory Scheme (WRAS) to reduce waste, misuse, undue consumption or contamination of the water supply.

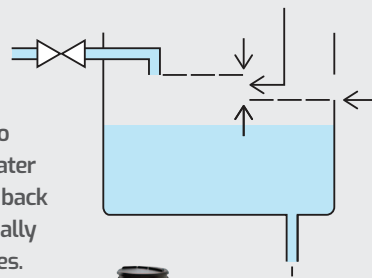
Water storage tanks for the farming industry should be protected with backflow prevention through the use of an 'air gap'. These are typically built on the water tanks themselves using what we call a weir or an interrupter or by means of a separate air gap. The following diagram shows the basic function of an air gap with weir overflow.

## AIR GAP WITH WEIR OVERFLOW:

The 'gap' simply acts as a break in the water flow. This is there so that should there be a loss of water pressure the water cannot flow back up the water supply and potentially contaminate the fresh water lines.

## WATER TANK SOLUTIONS FOR IRRIGATION

Enduramaxx manufactures a large range of rotationally moulded, one piece, medium density polyethylene Fluid Category 5 Break Tanks at its factory in Lincolnshire. These tanks range in size from 150 litres up to 30,000 litres and by simply linking tanks together the capacity can be increased to 40,000, 50,000 or 60,000, 90,000 litres or whatever the individual requirement may be.



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