

WATER STORAGE REGULATIONS FOR CEMENT & CONCRETE BATCHING PLANTS

ESSENTIAL COMPLIANCE INFORMATION

The huge quantity of water used by cement batching plants is closely regulated and plant operators need to be aware of the WRAS requirements for backflow protection.

CAT. 5 BACKFLOW PREVENTION

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 cement & concrete batching plants 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.

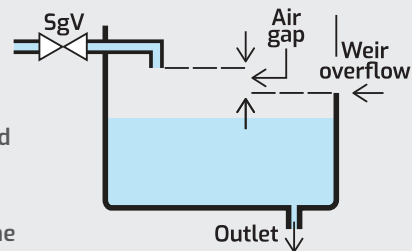
AIR GAP WITH WEIR OVERFLOW:

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 TANKS FOR CEMENT BATCHING PLANTS

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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