

HSS COMPACT BOOSTER SETS

COMPLIANCE STATEMENT

Water Supply (Water Fittings) Regulations 1999

Ref: HSS Booster Pumps and break tank units

Applications

Consisting of stainless steel pump with an automatic control system on a st/steel base with cold water storage cistern. the unit is designed to prevent backflow of possible contaminated water into the mains water system, whilst maintaining a pressurised cold water supply to the network equipment.

Areas of Installation

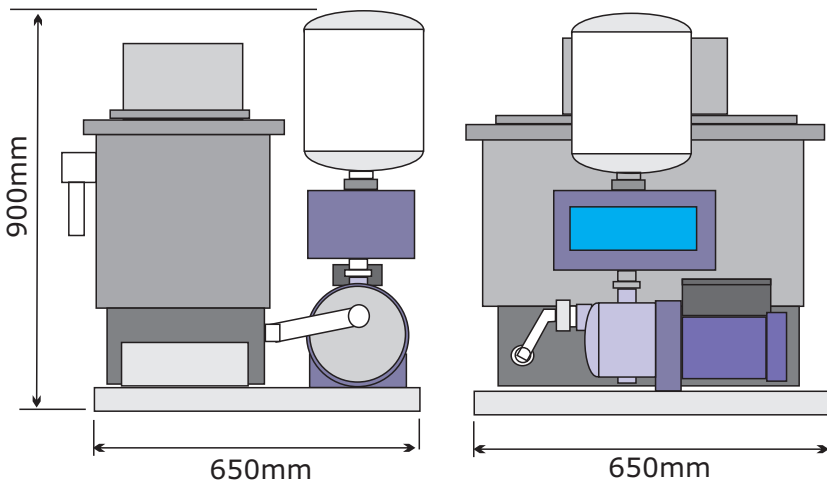
Our automatic pump systems with tanks are designed to meet the requirements of the water supply (water fitting) regulations 1999 in respect of a type AB air gap at the point of use or discharge of 'quality non-domestic water'.

Construction

The cistern is designed to provide backflow prevention of potentially contaminated fluid within the cistern to the level of fluid category 5 which under the requirement of Regulation 4 (schedule 2) accepts protection via a type AB air gap. It is constructed to Bs6281 Part 1: 1992 and incorporates a lid, a A30 chamber with a screened weir and warning pipe complying with section 5.3 and 5.5 of BS7181.

The servicing valves and all other fittings used on these systems have a relevant BSI kite mark, CE mark or WRAS approval. The 68 ltr Rectangular Water Tank A30 is designed to accommodate a maximum flow rate of 62 litres/minute (i.e. BS1212 part 2 float operated valve with a No. 9 - 9.5mm (3/8" bore seat) comes with a fitting kit, which includes:

- Polytank Byelaw 30 kit chamber and weir and fitting instructions
- 1/2" BS1212 Part 2 ball valve and 4 1/2" float
- Ball valve back plate
- 22mm compression tank connector
- 15mm x 1/2" angled service valve
- Insulation and ties



System Design To Your Requirements

This CAT 5 booster set is designed to monitor the system pressure. As the demand increases the pressure will fall and the pump will start to run until the demand has stopped and the pressure increases. This system incorporates an electronic device based on inverter technology for electric pump control. It controls the start up and stop of the pump and modulates the motor rotations based on the water intake, maintaining a constant preset working pressure. It ensures high comfort for the end user, significant energy savings and longer life of the plant, typical advantages of inverter autoclave systems, including dry running protection for the pump.

We can also offer a fixed speed version of this system which incorporates a simpler pressure regulator which works on preset pressure and flow style. this is typically used when a more compact design is required as it can also replace the need for an expansion vessel.

The CAT 5 system can also be supplied with wall mounting frame or covers for outside installation or where the system would need protection from the atmospheric conditions i.e dusty or damp conditions.

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