

Technical Data Sheet

Amos Break Tanks consist of a heavy-duty polyethylene tank carrying a PM46 rinse-boost pump and an automatic pump control.

Amos Break Tanks offer complete protection against water supply contamination caused by backflow as required in **Category 4 Risk Areas as specified in the Water Supply Regulations 1999**. They also provide a stored water facility and are useful in low pressure supply areas. They are intended primarily for installing into water feeds to appliances in the hospitality industry where after use by the appliance the water must be considered a waste product. The units include a high-quality brass PM46 pressure-boosting pump; an easy-clean, hygienic 10-litre polyethylene tank complete with ballvalve water inlet and overflow; and a Presscontrol electronic pressure control. No bulky pressure vessel is needed.

They have a small footprint and will fit comfortably under a standard-height kitchen worktop, a particularly convenient feature when being added to an existing installation. They are supplied complete and ready to connect and run. Connection to the unit should be as a dedicated feed to appliances and to no other service.



Complete assembly

Overall width	260 mm.
Overall depth	420 mm
Overall height	675 mm.

Tank

Footprint	420 mm x 130 mm.
Height	320 mm.
Capacity	10 litres nominal.
Max water temperature	65 deg C.
Inlet	½ in BSP male.
Inlet pressure	7 bar max.

Pressure control

Housing	GRP.
Diaphragm	EPDM.
Spring	Steel C72 UNI 3545.
Supply	230V, 1ph, 50 Hz.
Amps	10 A.
Power	1.1 kW.
Max pressure	10 bar.
Max water temperature	60 deg C.
Max head	15 metres.
Discharge	1 inch BSP male.

The automatic pressure control maintains a constant pressure in the supply line of 1.5 bar. When an appliance calls for water, the resulting pressure drop switches the pump on; when demand ceases, the pump is switched off. The Presscontrol also protects against the pump running dry, and eliminates water-hammer. It requires no maintenance or regulation.

Power-on, pump-on and failure lights make clear the state of the unit. After correcting the cause of a failure, the restart button should be pressed to restore normal operation.