



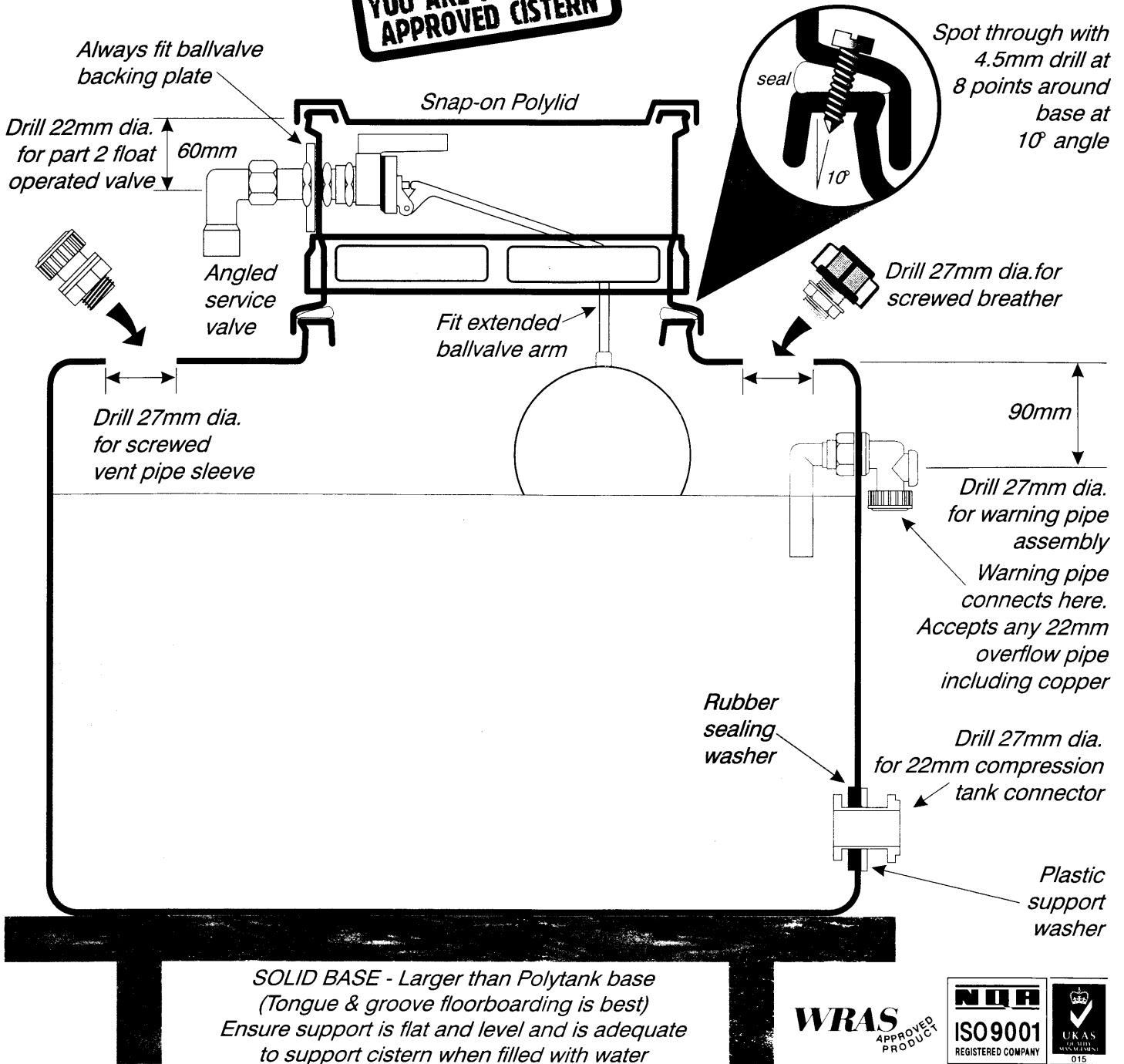
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**Polytank**  
**POLYA30**

Order code: XPA30 Size: 375mm x 245mm x 230mm (L x W x H)

# Fitting instructions

**YOU ARE FITTING AN APPROVED CISTERN**



## POLYA30 Contents check list

- POLYTANK PolyA30 seal
  - 8 plastic fixing screws
  - J4 insulation set
  - Extended ballvalve arm
- (Use the components in orange from POLYTANK PT2000 kit)

**POLYTANK PolyA30 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) A maximum float size of 178mm (7") can be accommodated.**



**Schedule of non-mechanical backflow prevention arrangements and the maximum permissible fluid category for which they are acceptable**

Type	Description of backflow prevention arrangements and devices	Suitable for protection against fluid category	
		Back pressure	Back siphonage
AA	Air gap with unrestricted discharge above spillover level	5	5
AB	Air gap with weir overflow	5	5
AC	Air gap with vented submerged inlet	3	3
AD	Air gap with injector	5	5
AF	Air gap with circular overflow	4	4
AG	Air gap with minimum size circular overflow determined by measure or vacuum test	3	3
AUK1	Air gap with interposed cistern (for example, a WC suite)	3	5
AUK2	Air gaps for taps and combination fittings (tap gaps) discharging over domestic sanitary appliances, such as a washbasin, bidet, bath or shower tray shall not be less than the following:  Size of tap or combination fitting      Vertical distance of bottom of tap outlet above spill-over level of receiving appliance  Not exceeding G½"      20mm Exceeding G½" but not exceeding G¾"      25mm Exceeding G¾"      70mm	X	3
AUK3	Air gaps for taps or combination fittings (tap gaps) discharging over any higher risk domestic sanitary appliances where a fluid category 4 or 5 is present, such as:  a. any domestic or non-domestic sink or other appliance, or  b. any appliances in premises where a higher level of protection is required, such as some appliances in hospitals or other health care premises,  shall be not less than 20mm or twice the diameter of the inlet pipe to the fitting. Whichever is greater.	X	5
DC	Pipe interrupter with permanent atmospheric vent	X	5

**Notes**

1. X indicates that the backflow prevention arrangement or device is not applicable or not acceptable for protection against backpressure for any fluid category within water installations in the UK.
2. Arrangements incorporating Type DC devices shall have no control valves on the outlet of the device; they shall be fitted not less than 300mm above the spillover level of a WC pan, or 150mm above the sparge pipe outlet of a urinal, and discharge vertically downwards.
3. Overflows and warning pipes shall discharge through, or terminate with an air gap, the dimension of which should satisfy a Type AA air gap.

Type AB - Air gap with weir overflow means a non-mechanical backflow prevention arrangement of water fittings complying with type AA, except that the air gap is the vertical distance from the lowest point of the discharge into the receptacle to the critical water level of the rectangular weir overflow.

**Handling**

All **Polytanks** should be handled carefully at all times to ensure long trouble-free life. All **Polytanks** have been specially designed for strength and look and are very robust but **THEY CAN BE DAMAGED**.

**Orsitest**

Always carefully test to AVOID embarrassment. With multi-handling of the **Polytanks** from manufacturer to merchant to plumber to site to cupboard or loft it is inevitable that occasionally a **Polytank** will be damaged. Our PT2000 package is a number of components. Conversion into a working system is the responsibility of the installer and all components should be tested to ensure on-site function - particularly the ballvalve function for correct fill and shut off.

**Insulation**

Always fit insulation, it is part of your package, which ensures your **Polytank** will deliver good quality drinking water to your taps and meet all the requirements of British standards.

**Important**

Ensure warning pipe accommodates incoming supply. Fit restrictor to inlet if necessary.

**IMPORTANT NOTICE REGARDING WATER SUPPLY (WATER FITTINGS) REGULATIONS 1999**

**A Polytank PolyA30** is designed to give two levels of protection to stored water system:

- A1** Type "AB" Air Gap with weir overflow to protect the incoming mains supply for a category 5 designated risk of contamination.
- A2** Drinking water supply to the water stored in the cistern. Providing no additives are added into the cistern and no contamination is caused by any process downstream.

**B** Protection A2 noted above CANNOT be maintained if any type of pump is installed downstream of the cistern or if any equipment which may cause backflow is installed downstream. Protection A2 noted above CAN ONLY be maintained if the system is a gravity fed system.

**C** The 'A' Type Air Gap protection remains valid even if conditions for protection A2 noted above cannot be met.

**CAUTION**  
ALWAYS ENSURE ADEQUATE MOVEMENT IN PIPEWORK TO ALLOW FOR EXPANSION WITHOUT STRESSING CISTERN

**Additional component kits comply with BS 4213. 1991**

**ALWAYS**

1. FULLY SUPPORT THE BASE ON A FLAT LEVEL PLATFORM
2. HOLE CENTRE FOR FLOAT VALVE 60mm +/- 5mm FROM TOP OF CISTERN, FIT BACKING PLATE.
3. USE SHARP HOLE CUTTERS.
4. FIT APPROVED WASHERS INTERNALLY AND EXTERNALLY.
5. SUPPORT ALL PIPEWORK.
6. FIT SCREENED AIR INLET SCREENED WARNING PIPE & VENT PIPE SLEEVE.
7. FIT LID AND INSULATION.

**NEVER**

1. OVER TIGHTEN CISTERN CONNECTIONS.
2. USE JOINTING COMPOUND OR PUTTY.
3. LEAVE NOTCH WHEN CUTTING HOLES.
4. DISTORT CISTERN WITH FITTINGS.
5. SCRIBE OR SCORE CISTERNS WHEN MARKING OUT.
6. SITE NEAR HEATER OR LIGHT BULB.

