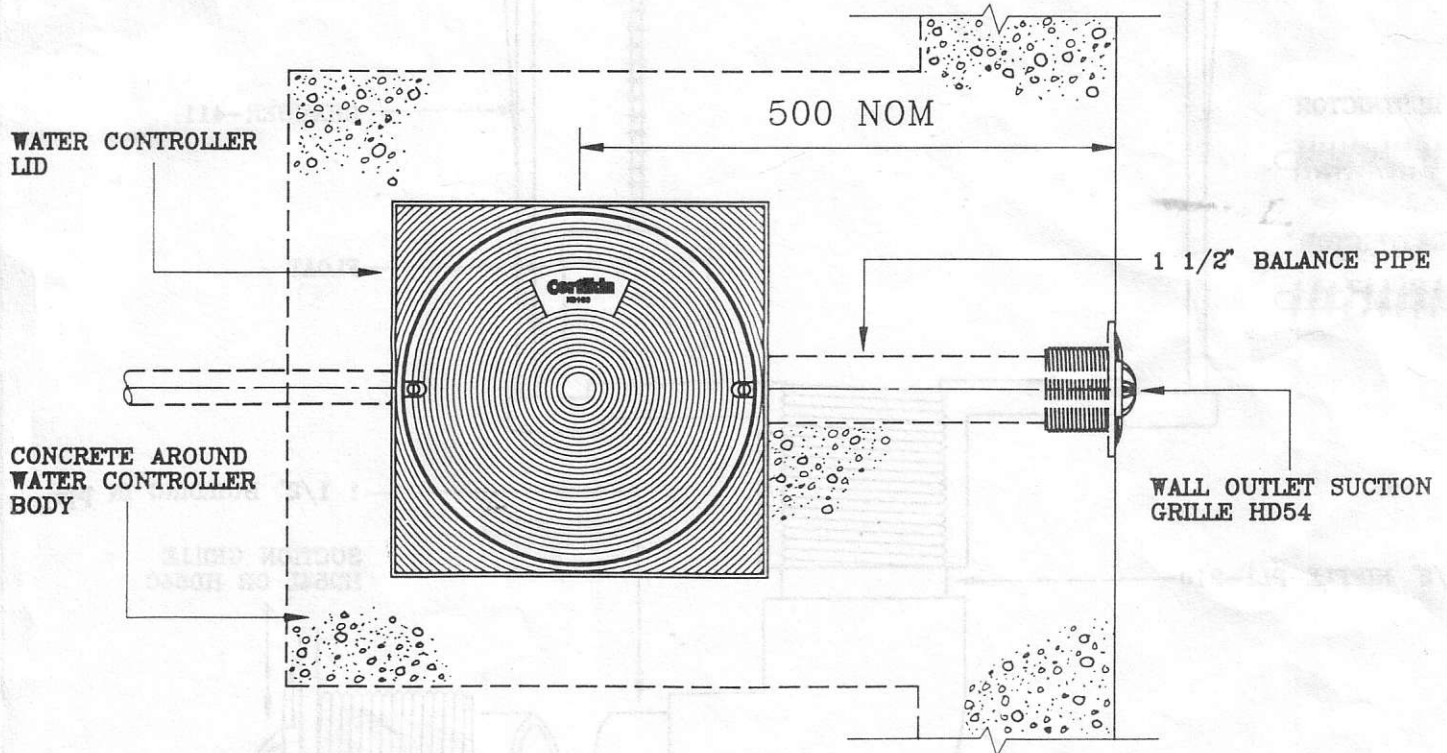
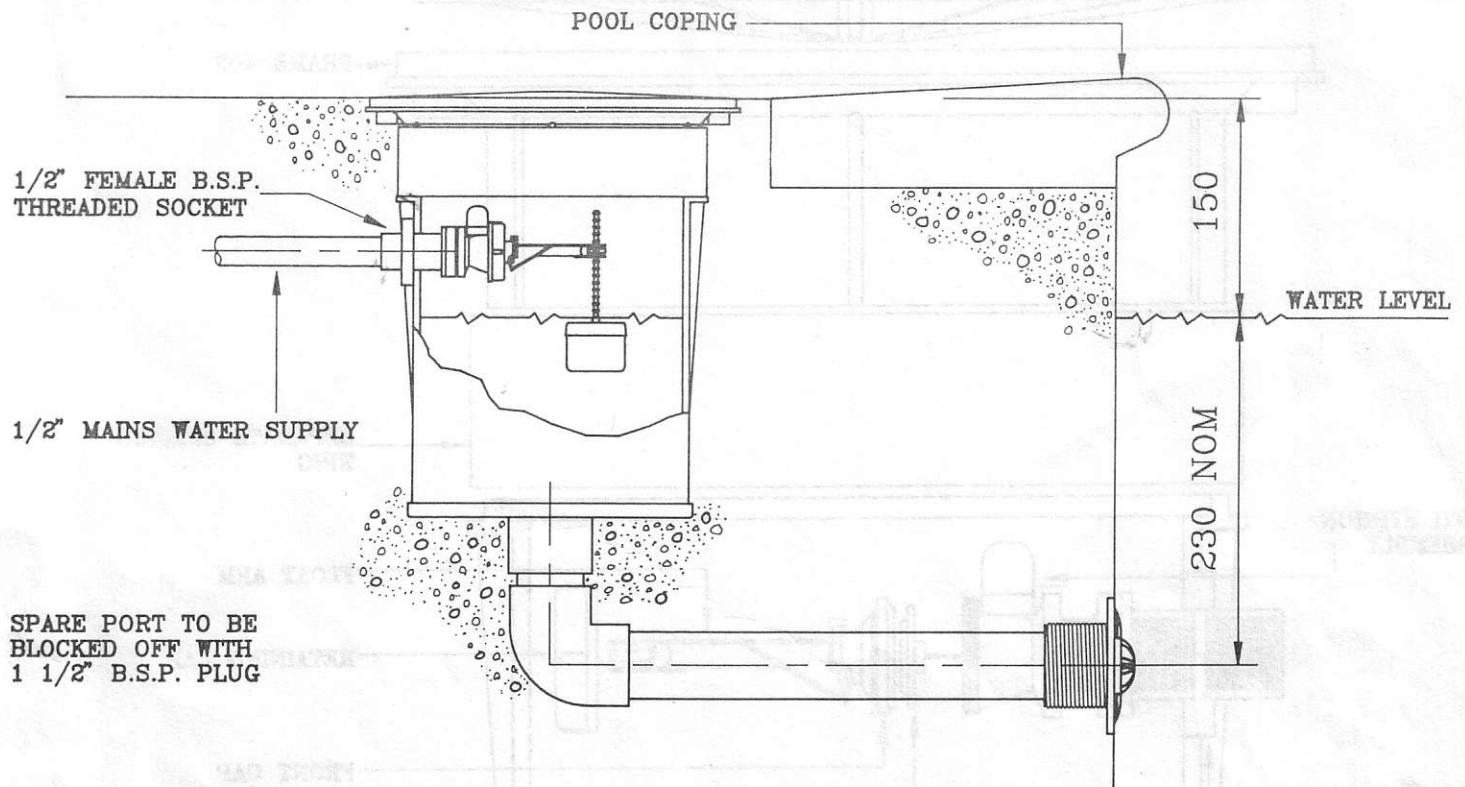


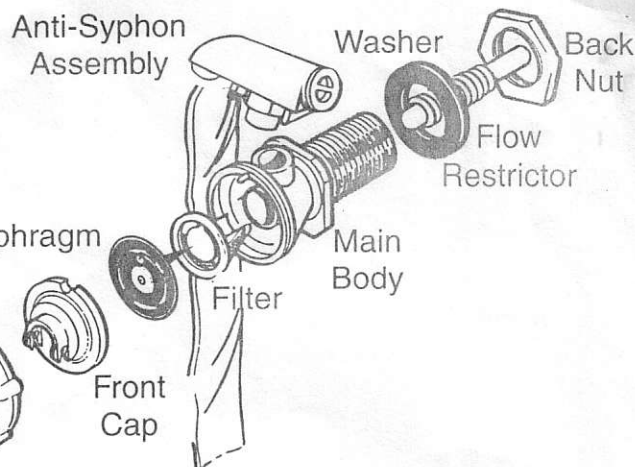
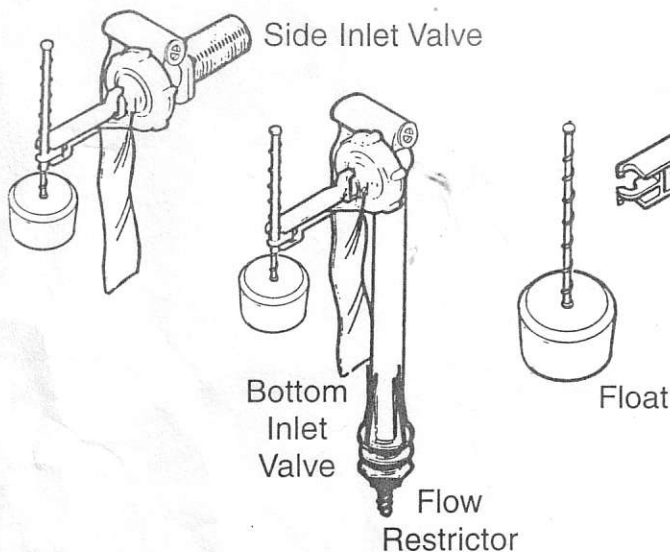
PART No HD108 WATER MAKE UP UNIT INSTALLATION INSTRUCTIONS



IMPORTANT

USE P.T.F.E TAPE TO MAKE THREADED JOINTS, LIQUID JOINTING MUST NOT BE USED

NOT TO SCALE



FOR INFORMATION ONLY

The TORBECK valve is fully assembled and tested before leaving our factory, and it is not necessary to dismantle valve before fitting

IMPORTANT INSTALLATION INSTRUCTIONS

1. Before installation, ensure supply pipe, tank or cistern are flushed clean. Dirt or loose particles will affect the efficiency of the TORBECK valve because they will clog the filter which results in greatly reduced water flow.
2. Turn off water.
3. Fit valve to cistern or tank ensuring rubber washer is on inside of tank and raised shoulder on nut is used to centralise threaded inlet, hand tighten nut and tighten a further three-quarter turn with a spanner. DO NOT OVERTIGHTEN. Fit float by pushing spiral stem into end of arm until snap-fit is achieved. Adjust float to water level required by rotating stem up or down. Fit HIGH or LOW pressure restrictor as table below.

Restrictors and water pressures

Tank Feed	- Less than 25ft head of water	No Restrictor
	- Between 25ft and 120ft head	L.P. Restrictor
	- Over 120ft head	H.P. Restrictor
Mains Feed	- Less than 60 p.s.i.	L.P. Restrictor
	- Over 60 p.s.i.	H.P. Restrictor

It is essential that the overflow pipe can cope with the flow of water from the valve when it is fully open.

4. Connect water supply using spigot type connector or TORSTOP servicing valve as shown. Check anti-syphon assembly is seated on valve body and is held securely by retaining nut. Check filler tube is hanging vertically and is free from obstruction.
5. Turn on water, allow cistern or tank to fill, adjust water level by twisting float up or down. Observe valve is functioning correctly and shutting off when required water level is achieved. It will be noticed that after the valve has shut off water continues to drip from front cap for some time. This is a necessary part of the valve function and will eventually stop.

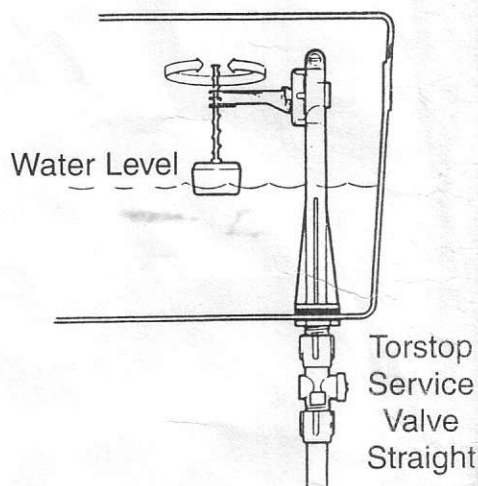
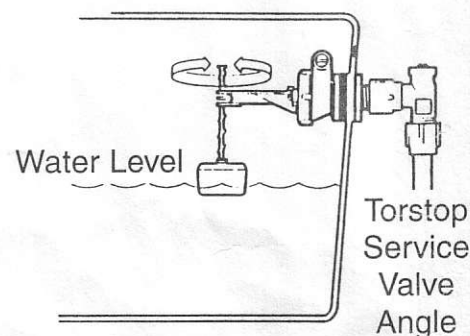
MAINTENANCE

The TORBECK valve is fitted with a filter which may need cleaning occasionally to ensure that optimum waterflow is maintained. The filter is essential for the correct functioning of the valve. If damage occurs (to the frame or mesh), a new filter must be fitted.

The procedure for cleaning the valve is as follows:-

1. Turn off water.
2. Remove float, unscrew retaining nut and remove arm and front cap assembly. Remove diaphragm and filter. Wash filter and assemble valve in reverse order, ensuring filter is pushed fully back over its locating slot. Position white bush in diaphragm over stainless steel pin in main body of valve. Locate arm and front cap assembly into main body using slot and peg provided. Slide retaining nut over arm and front cap assembly. Hand tighten only.
3. If the arm is removed for any reason, when re-fitting ensure that the arm is clipped into position on both locating pegs.

WARNING: Solder flux and some sealing compounds can damage this plastic plumbing product.



Torbeck®

F.A.O
JAMES

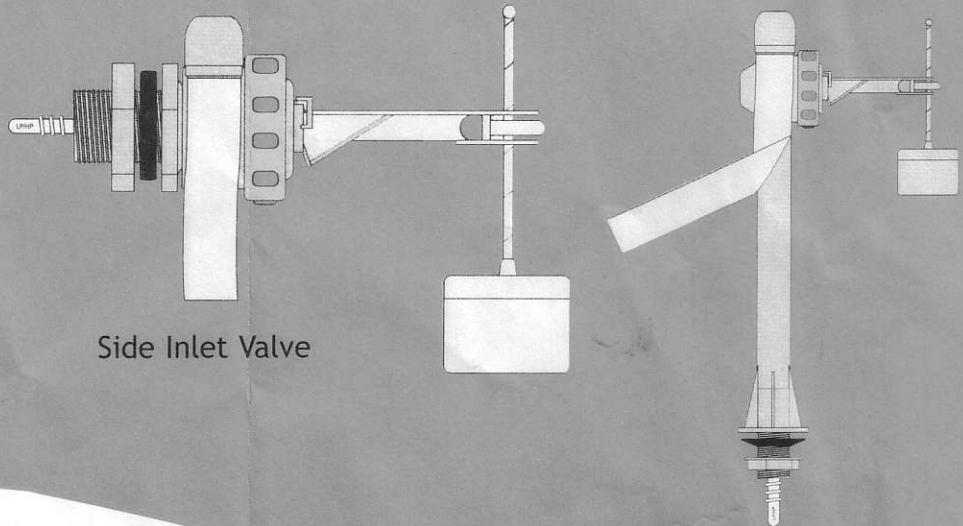
Inlet Valve Fitting Instructions

FOR INFORMATION ONLY:

The TORBECK® valve is fully assembled and tested before leaving our factory, it is not necessary to dismantle the valve before fitting.

BEFORE INSTALLATION:

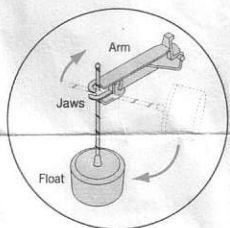
Ensure supply pipe, tank or cistern are flushed clean. Dirt or loose particles will affect the filling efficiency of the TORBECK® valve because they will clog the filter, which can result in a greatly reduced flow rate.



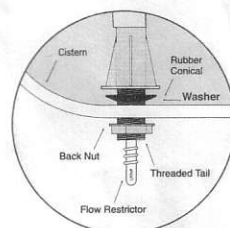
Side Inlet Valve

Bottom Inlet Valve

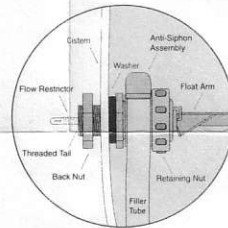
Instructions as easy as...



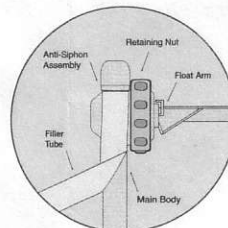
1. Turn off water supply
2. Fit float to valve
Insert float spiral stern horizontally between the two lower jaws and twist (as per diagram) to engage upper jaw.



3. Fit the valve to cistern
 - a. Bottom entry - ensure that the rubber washer inside the cistern, with the conical side face down. Hand tighten the back nut and tighten a further 3/4 turn using a spanner.
 - b. Side entry - ensure that the flat washer is inside the cistern. Hand tighten the spigot nut and tighten a further 3/4 turn using a spanner.



Side Inlet Valve



4. Insert correct flow restrictor into threaded tail
See table below for correct flow restrictor setting.*

5. Connect water supply
Check anti-siphon assembly is held securely by retaining nut and filler tube hangs freely.

6. Turn on water supply
Allow cistern or tank to fill. Adjust water level by twisting float up or down.

IMPORTANT FOR NEW BUILD/INSTALLATIONS:

Before turning water on, ensure that one cold water tap is open so that dirt and loose particles in the pipe work are flushed through the tap.

7. Procedure for rotating anti-siphon assembly
To rotate or remove. Unscrew retaining nut, pull anti-siphon vertically and rotate or replace anti-siphon assembly. Tighten up retaining nut and ensure tab on anti-siphon is retained by the nut.

*Restrictors and water pressures

3/8" Brass

Below 1 bar (14 p.s.i.) . . . No Restrictor
Over 1 bar (14 p.s.i.) . . . Fit Flow Restrictor

1/2" Plastic

Below 1 bar (14 p.s.i.) No Restrictor
From 1-4 bar (14 p.s.i. - 60 p.s.i.) . . . L.P Restrictor
Over 4 bar (60 p.s.i.) H.P Restrictor

It is essential that the overflow pipe can cope with the flow of water from the valve when it is fully open.

WARNING: Solder flux and some sealing compounds can damage this plastic plumbing product.

Maintenance

The TORBECK® valve is fitted with a filter which may need cleaning occasionally. The filter is essential for the correct functioning of the valve. If damaged a new filter must be fitted.

Procedure: 1. Turn off water. 2. Unscrew retaining nut and remove arm and front cap assembly. 3. Remove diaphragm and filter. 4. Wash filter and diaphragm and assemble valve in reverse order, ensuring filter is pushed fully back over its locating slot. 5. Position white bush in diaphragm over stainless steel pin in main body of valve. 6. Locate arm and front cap assembly into main body using the slot and peg provided. 7. Slide retaining nut over arm and front cap assembly and tighten. 8. Ensure that arm is clipped fully into front cap. 9. Turn water supply back on.