

INSTRUCTIONS FOR

0. GENERAL SAFETY INFORMATION, WARNINGS & CAUTIONS
1. INSTALLATION
2. THE USER
3. SERVICING
4. DISPOSAL

APT GRP TANKS AND TANK UPSTANDS



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PED (Pressure Equipment Directive) Compliant
BSI Certificates CE 641230 & 641231



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0.0 GENERAL SAFETY INFORMATION



- These instructions are intended for the installer/operator/user/maintenance of this equipment and must be kept with the equipment, for the life of the equipment and made available to all persons. Please read GENERAL SAFETY INFORMATION 0.0, WARNINGS 0.1 and CAUTIONS 0.2, & 0.3 before doing anything else, and then follow them carefully. Where used “Equipment” means all Water Storage tanks, Tank Upstands (where supplied) and any other accessories supplied by AquaTech Pressmain.
- It is essential that correct and safe working practices are adhered to at all times when installing, operating and/or maintaining any piece of equipment. Always consult all safety data sheets, operating and maintenance manuals, Health & Safety legislation and recommendations and specific requirements of any equipment manufacturer, client company, site controller, building manager or any other persons or organisation relating to the procurement, installation, operation and/or maintenance of any piece of equipment associated or in conjunction with any water storage tank provided by AquaTech Pressmain.
- The unit must only be installed/operated/used/maintained by a competent person; *A competent person is someone who is technically competent and familiar with safety practices and the hazards involved.*
- Failure to install/operate/use/maintain the equipment as recommended below could cause damage to the equipment any anything subsequently connected to it, and invalidate the warranty provided by AquaTech-Pressmain to the buyer.
- Any damage caused to the equipment by misapplication, mishandling or misuse could lead to risk of **Electrocution, Burns, Fire, Flooding or injury to people or property** dependent upon the circumstances involved.
- We accept no responsibility or liability for any damage, losses, injury, fatalities or consequences of any kind due to misapplication, mishandling or misuse of any equipment, or as a result of failure to comply with this manual.
- Water storage tanks contain water and as such represent a risk of injury or death as a result of drowning and/or flooding and/or injury or death as a result of structural failure of the tank.
- Failure to adhere to the conditions, recommendations and general information contained within this manual may result in death or serious injury and/or structural failure of the tank resulting in serious damage to equipment and/or property.
- The latest version of this instruction manual with up to date safety information can be downloaded from our website at www.aquatechpressmain.co.uk



0.1 WARNINGS

- 0.1.1 **The equipment must be inspected upon delivery to site, and prior to any site positioning and/or installation. Any damage to, and/or unsuitability of the tank must be identified prior to installation. Failure to do so may result in death or serious injury and/or structural failure of the tank resulting in serious damage to equipment and/or property.**
- 0.1.2 **The foundation on which the equipment is to be positioned must be inspected to ensure suitability for that purpose. The foundation must be no smaller than the gross external dimensions of the tank. The foundation must be solid & continuous and be level & flat being no greater than + or – 2mm over any given metre and no greater than + or – 6mm over the total area taken by the tank. The foundation area must be free of local high and/or low spots and be free from debris of any kind. Positioning and/or commissioning of the tank on an unsuitable foundation may result in death or serious injury and/or structural failure of the tank resulting in serious damage to equipment and/or property.**
- 0.1.3 **It is essential that any base, foundation, plinth, wall or other supporting structure to which the tank and/or any associated equipment is to be positioned and/or attached is designed, engineered and fabricated to carry the entire mass of the equipment including the water that**

the tank will contain under worst-case fault conditions. E.g. Tank filled to maximum nominal capacity at overflow condition. Failure to observe this may result in death or serious injury and/or serious damage to equipment and/or property.

- 0.1.4** Neither the tank nor upstand (if supplied) are suitable for use as a working platform or designed to support the weight of man traffic. Standing on, walking across, and/or use of the tank as a support may result in death or serious injury and/or structural failure of the tank resulting in serious damage to equipment and/or property.
- 0.1.5** It is essential that the tank is correctly connected to all incoming, outgoing, drain and overflow and/or any other related pipework and/or electrical equipment of any kind before the tank is filled. Failure to do so may result in death or serious injury and/or structural failure of the tank resulting in serious damage to equipment and/or property.
- 0.1.6** Do not remove the main lid of the tank without first draining the tank. The lid is a structural part of the tank and **MUST** remain correctly fitted and fixed down at all times whether water is contained within the tank, or whether the tank is empty. Removal of the main lid of the tank when water is contained within the tank may result in death or serious injury and/or structural failure of the tank resulting in serious damage to equipment and/or property.
- 0.1.7** Do not lean over or reach into any access hatch or attempt to enter the tank when water is contained within the tank. Accidental or deliberate entering of the tank may result in death or serious injury and/or structural failure of the tank resulting in serious damage to equipment and/or property.
- 0.1.8** Do not attempt to enter the tank when the tank has been drained and water is not contained within the tank. Water storage tanks represent a confined space working environment. Only persons fully trained and correctly equipped to carry out work in a confined space environment should enter the tank. Failure to adhere to correct safe operating procedures when working in a confined space may result in death or serious injury.
- 0.1.9** AquaTech Pressmain storage tanks are designed to operate at atmospheric pressure only and must not be pressurised or be subjected to vacuum. Should any tank be subjected to pressurisation and/or vacuum this may result in death or serious injury and/or structural failure of the tank resulting in serious damage to equipment and/or property.
- 0.1.10** AquaTech Pressmain tanks are designed to operate within a specific temperature range between 3°C & 30°C. **UNLESS SPECIFICALLY STATED OTHERWISE** the temperature of the tank and/or water contained within must not fall below 3°C or exceed 30°C. Should such a condition arise this may result in structural failure of the tank resulting in death or serious injury and/or serious damage to equipment and/or property.
- 0.1.11** Ensure the base/foundation/plinth/wall to which the equipment is to be attached is sufficiently strong enough to carry the entire mass of the equipment including the water that it will contain under worst-case fault conditions. E.g. fully saturated pressure vessel with no air charge, break tank full to overflowing, etc. Failure to observe this could cause serious mechanical damage/destruction resulting in injury to people or property.
- 0.1.12** AquaTech Pressmain tanks are designed to contain clean, wholesome water only, and are not suitable to be in contact with water containing additives of any kind other than those included by any local water authority for the purposes of maintaining water hygiene and within standards and to concentrations allowing such water to remain as of a potable standard, being fit for drinking purposes.
- 0.1.13** Chlorination of the tank should take place using only chemicals and materials which are deemed suitable for use in contact with GRP tanks. Chemicals must be at concentrations which will not cause damage to the tank. Contact time for such materials should be no more than 1 hour duration and should be thoroughly flushed from the tank after use. Any unsuitable abrasive or aggressive chemical products and/or materials may cause damage to the structure of the tank.
- 0.1.14** Any damage to equipment which is attached and/or connected to any tank, for example pumpsets, vessels, valves and pipework or any system components or similar items, which are damaged as a result of misapplication, mishandling, incorrect installation of any kind or

misuse could lead to Electric shock hazard, Burns hazard, Fire hazard, Flooding hazard and cause death or injury to people, and/or serious damage to equipment and/or property.

- 0.1.15** This equipment contains a fluid which may under certain circumstances leak/drip/spray fluid (e.g. overflow, servicing, repair or malfunction). Ensure any fluid discharge will not cause damage to the surroundings by taking appropriate action. E.g. install in a place that will not be damaged by leakage or install in a bunded area with adequate drainage.



0.2 CAUTIONS FOR INSTALLATION

- 0.2.1** READ GENERAL SAFETY INFORMATION 0.0, WARNINGS 0.1 and CAUTIONS 0.2, & 0.3
- 0.2.2** The unit should only be installed/operated by a competent person; *A competent person is someone who is technically competent and familiar with safety practices and the hazards involved.*
- 0.2.3** When positioning, the tank MUST be lifted. The tank MUST NOT under any circumstances be dragged. The tank should be lifted using a suitable pallet to the underside and by using a pallet/forklift or crane by passing strops underneath the tank and/or pallet using a spreader bar. Any pallets must be no smaller than the overall external length and width dimensions of the tank. It is essential that no load is placed by pallets, supports, fork lift truck forks or similar, to the unsupported single skin base of any tank. Failure to utilise these correct lifting and/or movement procedures will result in damage to the base of the tank.
- 0.2.4** Any Storage of the equipment should be inside in a dry place to avoid deterioration of the tank caused by general weather conditions.
- 0.2.5** Protect the tank against debris, dirt, damage and frost. It is absolutely essential that foreign matter such as pipe thread swarf, welding slag, grit, stones or any other debris are not allowed to enter the tank. Debris of this type can cause severe damage to the tank and/or associated equipment.
- 0.2.6** For split section tanks see installation information below with regard to use of seals and tightening sequence/torque.
- 0.2.7** Prior to initial commissioning of the tank or if the tank is to be stored or taken out of service for a period of time (e.g. 1 week or more), then we would recommend draining the tank followed by pre-storage cleaning of the inside of the tank. When re-commissioning it is recommended that the tank be cleaned thoroughly and sterilised/chlorinated prior to commissioning. It is our recommendation that the advice and recommendations of the local water authority and/or water hygiene facilities services provider is sought prior to re-commissioning of the tank and/or system.
- 0.2.8** Ensure the base/foundation/plinth/wall to which the equipment is to be attached has sufficient mass compared to the equipment, in order to avoid noise/vibration transmission. E.g. the mass of the base should be at least five times the mass of the equipment.
- 0.2.9** The tank is not suitable for use as a working platform or designed to support the weight of man traffic. Standing on, walking across, or use of the tank as a support of any kind and for any purpose may result in death or serious injury and/or structural failure of the tank resulting in serious damage to equipment and/or property.
- 0.2.10** When entering, exiting or generally working on the tank it is essential that no part of the tank is used as a support of any kind. Any internal or external flanges, fixings, bracing or connections are NOT suitable as hand or footholds or suitable for bearing weight. If internal bracing is used to provide support for persons entering or existing the tank this will result in leaks at the point at which any threaded bar passes through any tank panel(s).
- 0.2.11** The installer and/or user is responsible for the installation of the correct earthing and protection according to valid national and local standards. All operations must be carried out by a suitably qualified person.
- 0.2.12** Where the fitting of connections to the tank is to be carried out on site it is essential that the operator carrying out such work is fully trained and familiar with carrying out an operation of this type. Please read section 1.3.5 before attempting to fit connections to the tank.
- 0.2.13** It is the installers' responsibility to ensure subsequent pipework etc can accept the pressures generated by the equipment/pumpset and to install an overpressure safety device into the system

with due respect to the suction pressure present on the pumpset, the pump closed valve pressure stated on the pump, the maximum working pressure stated on any of the attached pressure vessels and any other device connected to the system e.g. boilers, calorifiers etc.

- 0.2.14** During the process of on site fitting of connections, the cutting of the tank body and/or lid may result in the production of GRP dust, swarf, shards and/or splinters. It is essential that any persons carrying out such work are fully protected from these hazards by use of correct Personal protection equipment.
- 0.2.15** During the process of the on site fitting of connections and/or any other work requiring the use of hand tools or powered tools and/or equipment of any type it is essential that any operator is fully conversant with the correct use of the equipment and is fully protected by the use of the correct personal protection equipment. Always consult tool/equipment manufacturer's users' manuals prior to use.
- 0.2.16** When installing water storage tanks always consult the current water regulations and local water authority regulations and requirements to ensure that the installation of the tank is suitable for the application, correctly carried out and does not contravene such regulations.
- 0.2.17** Any connections, pipework and/or equipment of any kind connected to or in association with the tank must be fully supported by independent brackets and/or similar structures and fixings. It is essential that the tank body and/or lid are NOT used to provide support of any kind for equipment or items of any kind.
- 0.2.18** Drain cocks and/or valves which are fitted to the tank and/or pipework must not be left open as this could cause flooding.



0.3 CAUTIONS FOR OPERATION/USER/MAINTENANCE

- 0.3.1** READ GENERAL SAFETY INFORMATION 0.0, WARNINGS 0.1 and CAUTIONS 0.2, & 0.3
- 0.3.2** The unit should only be operated / used by a competent person; *A competent person is someone who is technically competent and familiar with safety practices and the hazards involved.*
- 0.3.3** After Installation and first filling, the tank should initially be inspected on a weekly basis to ensure that no leaks are present and that no damage or deterioration to the tank structure and associated connections and/or pipework has taken place. After 4 to 6 weeks, provided that no abnormalities have occurred the inspection interval can be increased to 6 months.
- 0.3.4** Any float valves, overflows and/or warning pipes should be inspected on a weekly basis to ensure that the tank is not in an overflow condition. Tanks which are in an overflow condition are a source of considerable waste of water. Water is an expensive and often scarce natural resource; its wastage comprises a threat to the environment and contributes to global climate change.
- 0.3.5** It is a requirement of current water regulations that water storage tanks should be thoroughly inspected at an interval not exceeding one year; in order to determine the state of hygiene inside the tank. If present, any dirt or debris, foreign matter, growths or contamination of any kind should be thoroughly cleaned from the inside of the tank and the tank chlorinated prior to re-commissioning.
- 0.3.6** All screen units which are fitted to any vents, overflows and/or warning pipes should be inspected and if necessary removed, cleaned and re-fitted prior to re-commissioning of the tank.
- 0.3.7** It is essential that tank inspection and cleaning and any other water hygiene work is carried out by the building water hygiene facilities services provider or similar specialist.
- 0.3.8** During any cleaning, and/or chlorination of the tank, only chemicals and materials which are deemed suitable for use in contact with GRP should be used. Chemicals must be at concentrations which will not cause damage to the tank. Contact time for such materials should be no more than 1 hour duration. Any abrasive or aggressive chemical products and/or materials may cause damage to the structure of the tank.
- 0.3.9** If the tank is to be stored or taken out of service for a period of time (e.g. 1 week or more), it is our recommendation that the tank is drained followed by pre-storage cleaning of the inside of the tank. When re-commissioning it is recommended that the tank be cleaned thoroughly and sterilised/chlorinated prior to commissioning. It is our recommendation that the advice and recommendations of the local water authority and/or water hygiene facilities services provider is sought prior to re-commissioning of the tank &/or system.

- 0.3.10** Where the tank and/or associated equipment is fitted with Building Management Services (BMS) interconnections, always notify the appropriate persons before switching OFF for maintenance or adjustments, to avoid unnecessary alarm conditions occurring. **WARNING:** Any restriction of water supply from either supply to the tank or supply from the tank to any other equipment may result in failure of that equipment.

1. INSTALLATION INSTRUCTIONS

FOR AQUATECH PRESSMAIN SUPPLIED STORAGE TANKS AND TANK UPSTANDS

These instructions are intended for the installer of this storage tank and steel upstand assembly (where supplied). Please follow them carefully.

The unit should only be installed by a competent person; *A competent person is someone who is technically competent and familiar with safety practices and the hazards involved.*

Failure to install the equipment as recommended below could invalidate the warranty provided by AquaTech-Pressmain to the buyer.

1.1 ADDITIONAL WARNINGS

READ GENERAL SAFETY INFORMATION 0.0, WARNINGS 0.1 and CAUTIONS 0.2, & 0.3

1.2 ADDITIONAL CAUTIONS

- 1.2.1** READ GENERAL SAFETY INFORMATION 0.0, WARNINGS 0.1 and CAUTIONS 0.2, & 0.3.

1.3 PROCEDURE

1.3.1 OFF-LOADING AT SITE

Do not lift plant by pipework. Lift all plant by the container pallet using a pallet/forklift or crane by passing strops underneath the skid using spreader bar.

Failure to utilise these facilities could result in damage.

1.3.2 LOCATION

If the equipment is to be installed in an unheated room, ensure that there is adequate frost protection. Ensure that location for the plant provides adequate clear space to accommodate unit with reasonable access to all parts; AquaTech-Pressmain recommend a minimum distance of 500mm all round. There must be sufficient room to:-

Inspect all sides of the tank,

Check integrity of all tank fittings and clean strainers where fitted,

Inspect tank upstand (where supplied) for rigidity and allow for maintenance,

Access all other associated equipment eg. Tank level controls, pumping units, float valves etc.

Should any of these location conditions not be satisfied AquaTech-Pressmain reserve the right to charge labour on any warranty work required on the pumpset.

1.3.3 ASSEMBLY OF STEEL UPSTANDS (where supplied)

AquaTech Pressmain supplied steel tank upstands are usually supplied in a flat packed form. They require assembly using the fixings supplied.

Before starting construction READ GENERAL SAFETY INFORMATION 0.0, WARNINGS 0.1 and CAUTIONS 0.2, & 0.3. The upstand should only be assembled by a competent person; *A competent person is someone who is technically competent and familiar with safety practices and the hazards involved.*

Assembly of the upstand may require the moving of heavy components and assemblies. Appropriate assistance should be used and safe working practices applicable to the site should be employed at all times. Never assemble an upstand alone and ensure appropriate PPE equipment is used at all times.

Before assembly begins it is essential the all the parts are laid out so that they can be found easily. At this point the number of legs should be counted in order ascertain whether it is a 4, 6 or 8 leg upstand.

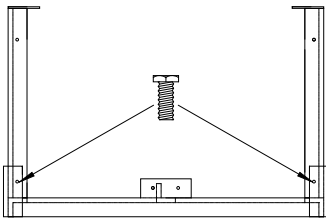
1.3.4 FIXING

Install the equipment on a flat, even and level surface and where practical on a raised plinth to keep parts above damp floor. The foundation must be no smaller than the gross external dimensions of the tank. The foundation must be solid & continuous and be level & flat being no greater than + or – 2mm over any given metre and no greater than + or – 6mm over the total area taken by the tank. The foundation area must be free of local high and/or low spots and be free from debris of any kind.

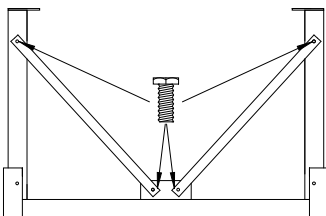
Where a tank is supplied with an upstand assembly read section 1.3.3 for instructions on upstand assembly. Locate the upstand in position; if necessary level the feet by inserting packing strips adjacent to bolt positions. Firmly bolt upstand legs to the floor and ensure that all parts supplied are correctly fitted.

4 Leg Upstand

Suggested method of Assembly

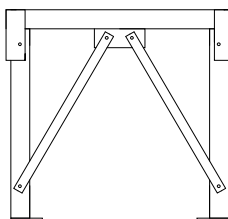
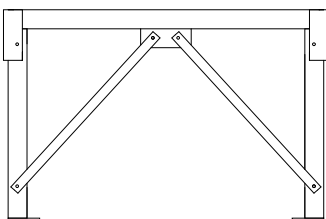


For smaller upstands with 4 legs it is recommended that they are assembled upside down, with the legs being fixed to the top with nuts and bolts through the holes marked in the diagram.



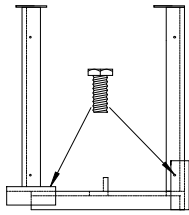
The support straps can now be added and all of the bolts to be tightened. It should then be possible (with sufficient assistance) to turn the completed upstand over and place it into position. All of the feet should then be bolted down to ensure rigidity of the assembly.

The upstands generally have a metal plate to support the base of the tank. Alternatively there may be a plywood base which should then be inserted into the top section before the tank is placed or assembled on top.

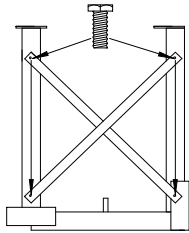


6 Legged Upstand

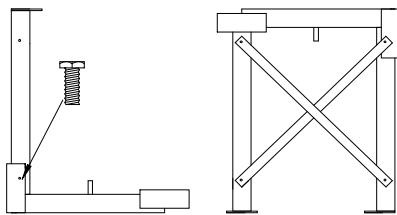
Suggested method of assembly



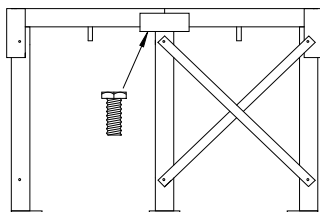
For upstands with 6 legs it is best to start assembling one end with 4 of the legs upside down.



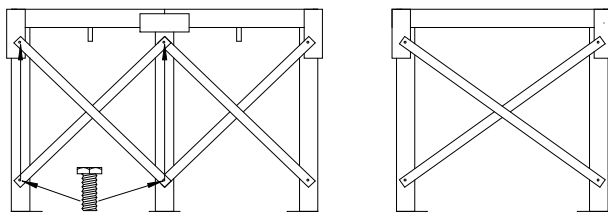
The straps can be loosely fitted at this point before the upstand is turned over using appropriate assistance.



This half of the upstand can then be placed into position before assembly on the second half begins. The second half can also be assembled upside down with its two legs in the corners,

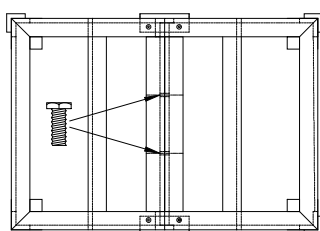


before being righted and connected onto the first section.



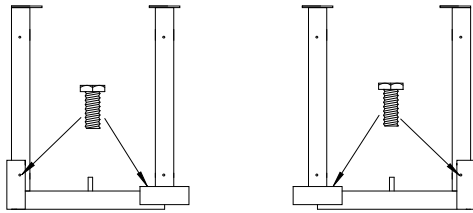
All of the straps can now be fitted tightly and all of the feet should be bolted down.

The upstands generally have a metal plate to support the base of the tank. Alternatively there may be a plywood base which should then be inserted into the top section before the tank is placed or assembled on top.

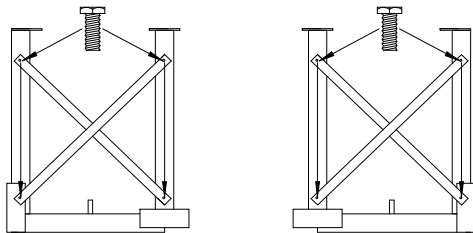


8 Legged Upstand

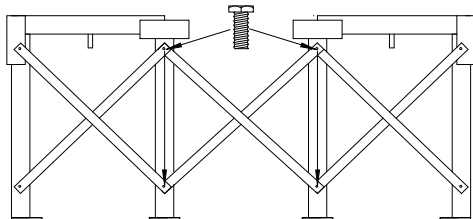
Suggested method of assembly



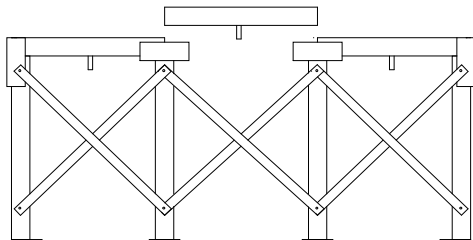
For upstands with 8 legs it is best to start by assembling the two end sections upside down. Each has 4 legs on.



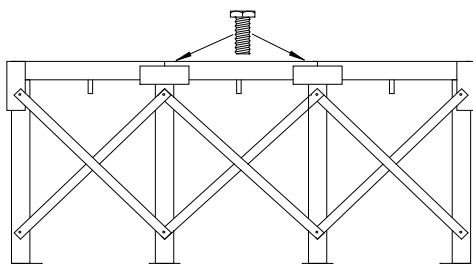
The straps can be loosely fitted at this point.



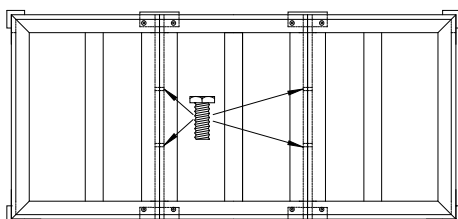
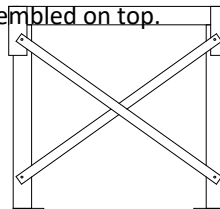
The two sections are turned the correct way using appropriate assistance. These two sections can then be placed in position and the remaining straps can be inserted to hold the sections in the correct place.



This then allows the centre section to be inserted into the middle. All of the remaining bolts can now be inserted and all of the feet should be bolted down.

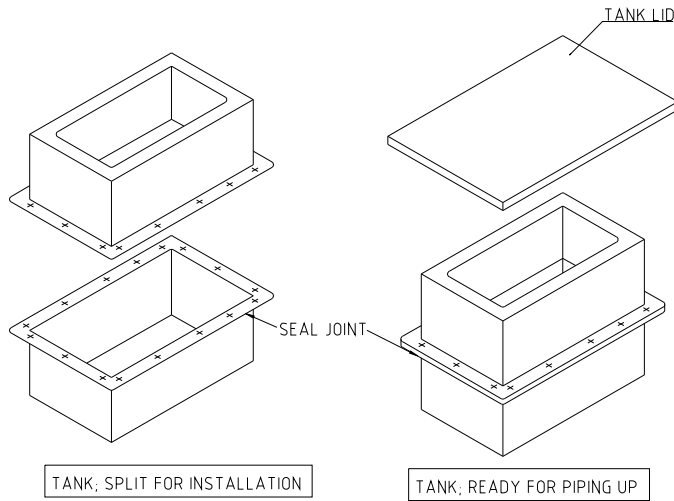


The upstands generally have a metal plate to support the base of the tank. Alternatively there may be a plywood base which should then be inserted into the top section before the tank is placed or assembled on top.



1.3.5 SPLIT SECTION TWO-PIECE TANK ASSEMBLY

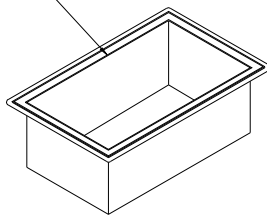
Follow the information provided below for installation of a split section two-piece tank.



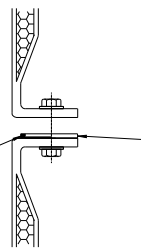
BOLTING SEQUENCE

1. INSERT ALL BOLTS AND TIGHTEN FINGER TIGHT
2. TIGHTEN BOLTS "A" TO A TORQUE OF 10Nm
WORKING FROM CENTRE OF WALL OUTWARDS
3. ONCE BOLTS "A" ARE TORQUED TIGHTEN BOLTS "B" ALSO TO 10Nm
4. TIGHTEN BOLTS "A" TO A TORQUE OF 20Nm
WORKING FROM CENTRE OF WALL OUTWARDS
5. ONCE BOLTS "A" ARE TORQUED TIGHTEN BOLTS "B" ALSO TO 20Nm
6. TIGHTEN BOLTS "A" TO A TORQUE OF 30Nm
WORKING FROM CENTRE OF WALL OUTWARDS
7. ONCE BOLTS "A" ARE TORQUED TIGHTEN BOLTS "B" ALSO TO 30Nm
8. IF TANK IS LEFT FOR MORE THAN 14 DAYS - CHECK TORQUE OF BOLTS TO 30Nm STARTING WITH BOLTS "A" FIRST

FIT SEAL WITH BLACK SIDE ONTO INSIDE OF FLANGE SURFACE ON BOTTOM TANK HALF BEFORE ASSEMBLY

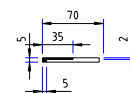


USE SEAL WITH BLACK ADHESIVE SURFACE ONTO INSIDE OF FLANGES



COMPRESS THE GREY FOAM INNER SECTIONS TOGETHER USING M12 BOLTS (19 A/F) TIGHTEN TO 30 N.m TORQUE IN 3 EQUAL STEPS RE-TORQUE IF LEFT FOR MORE THAN 14 DAYS BEFORE FILLING

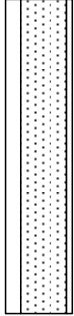
SEALANT 70mm WIDE X 5mm THICK



SEALING DETAIL

1.3.6 CONNECTIONS

AquaTech Pressmain tanks come supplied with a number of non insulated areas (pads) in order to allow connections to be made. If these are not in a suitable location, more pads can be added by following the instructions below. This should only be undertaken by competent persons; competent *persons are those who are technically competent and familiar with safety practices and the hazards involved.*

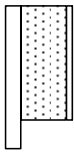


AquaTech Pressmain one-piece and two-piece tanks are supplied with 25mm insulation encapsulated within the tank body. Fitting connections on site is a quick and simple procedure. Before making tank connections READ GENERAL SAFETY INFORMATION 0.0, WARNINGS 0.1 and CAUTIONS 0.2, & 0.3.

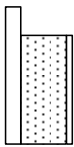


First select the correct hole saw to provide enough clearance to allow tightening of the connection to be used. For example a 100mm dia hole should be suitable for a connection up to 42mm.

Using the hole saw, cut through the outer GRP skin along with the insulation layer. Ensure that the pilot drill passes through the tank inner skin, but do not allow the hole saw to do so. If there is evidence of the adhesive used to bond the insulation to the tank inner, remove this to ensure a flat surface for the connection to mate to.



Select the correct hole saw to suit the outside diameter of the tank connector to be fitted. Cut through the tank inner skin.



The tank connector can now be fitted to the tank, sealed and tightened.

Close off the exposed insulation with a bead of silicon sealant or similar.

Ensure that any swarf, debris, etc that may have entered the tank is removed as it could cause damage to the tank or connected equipment.

2. USER INSTRUCTIONS

2.1 CUSTOMER ASSURANCE

AQUATECH-PRESSMAIN ASSURE YOU THAT IF ANY PART OF THIS EQUIPMENT BECOMES DEFECTIVE DUE TO FAULTY MANUFACTURE OR MATERIALS WITHIN 12 MONTHS FROM THE DATE OF INVOICE OR 12 MONTHS FROM DATE OF COMMISSIONING BY AUTHORISED AQUATECH-PRESSMAIN AGENT, THE PART WILL BE REPAIRED OR REPLACED.

The only conditions are: -

- ◆ The equipment must have been installed, operated and maintained as recommended by **AquaTech-Pressmain**.
- ◆ The equipment must not have been neglected, misused, modified, or used for any other purpose than its original application.
- ◆ The commissioning should be carried out within 6 months of the date of invoice by an authorised **AquaTech-Pressmain** agent.
- ◆ This Assurance does not apply to those items not supplied by us or to defects arising from parts not made or approved by **AquaTech-Pressmain**. The individual manufacturers own policies for dealing with defects will apply.
- ◆ Any part repaired or replaced under these Assurances will be covered for the balance of the appropriate Assurance period.
- ◆ If we have any disagreement about these Assurances which we are unable to resolve we will both abide by the decision of an agreed Arbitrator or, if we are unable to agree, one appointed by the Heating and Ventilating Contractors Association (HVCA) Arbitration Scheme Rules.
- ◆ These Assurances are in addition to, and do not detract from, the contractual rights you have under Statute or at common law.

For full details please see the AquaTech-Pressmain "CONDITIONS OF SALE"

2.2 COMMISSIONING

2.2.1 READ GENERAL SAFETY INFORMATION 0.0, WARNINGS 0.1 and CAUTIONS 0.2, & 0.3.

2.2.2 Before the tank is used it needs to be cleaned and sterilised in line with the latest water regulations. This should only be undertaken by competent persons; *competent persons are those who are technically competent and familiar with safety practices and the hazards involved*. Sterilisation and full commissioning can be undertaken by our authorised service agents.

2.3 INSTRUCTIONS FOR MAINTENANCE AND GENERAL USE

2.3.1 READ GENERAL SAFETY INFORMATION 0.0, WARNINGS 0.1 and CAUTIONS 0.2, & 0.3.

2.3.2 The tank and all associated fittings should be inspected on a weekly basis to ensure that no leaks are present and that no damage or deterioration to the tank structure and associated connections and/or pipework has taken place.

2.3.3 The screens fitted to overflows and warning pipes must be fitted and regularly checked as appropriate to ensure that they are clean and are not blocked.

3. MAINTENANCE / SERVICING

3.1 MAINTENANCE AND CARE OF YOUR EQUIPMENT

The AquaTech-Pressmain equipment that is described in this instruction booklet has been manufactured and tested to the highest standards of design and quality. It will give trouble free operation over many years provided it is maintained regularly from when it is commissioned. To keep it operating efficiently in a safe, economical and environmentally friendly condition, regular maintenance is an essential part.

AquaTech-Pressmain along with its' service division, Acorn Pressurisation Services are the official providers of commissioning and maintenance services. (see below).

Several companies operating under the Aquatronic Group Management structure are available to fulfil a wide range of servicing and maintenance requirements, as detailed below.

3.2 LEGAL REQUIREMENTS

Hydraulic Accumulators/Expansion Vessels installed as part of/in conjunction with this equipment, with Pressure x Volume above 250 Bar-litres, require formal inspection in accordance with a "Written Scheme of Examination".

This is a Legal Requirement on the part of the Owner/User under the "Pressure Systems Safety Regulations" (PSSR). A "Written Scheme" and regular inspection can be provided by either Acorn Pressurisation Services (combined maintenance and inspection) or ESIS Ltd (inspection only), see details below.



Plant Servicing & Inspection

ACORN PRESSURISATION SERVICES,

AGM House, Essex, CO6 1GT.

Ph: 01206 215151

10 Wheel Forge Way, Manchester. M17 1EH. Ph: 0161 226 4727

Acorn provides maintenance and installation of all types of packaged water

pumping equipment for building services. Its specialist fields are Pressure booster equipment and sealed systems for heating and chilled water distribution systems.

Regular servicing of any plant for essential services is vital because wear and tear are very gradual processes.

With preventative maintenance, the costs are small and benefits in reliability, safety and economy can be significant. Acorn Pressurisation Services can provide a complete package of schemes for preventative maintenance on all AquaTech-Pressmain and other makes of equipment.



Pressure Vessel Inspection

ESIS ENGINEERING SAFETY & INSPECTION SERVICES LTD,

AGM House, London Rd, Copford, Colchester, Essex, CO6 1GT.

Phone: 01206 215141

Under the Pressure Systems Safety Regulations, expansion vessels and hydraulic accumulators, generally 250 bar-litres and greater, and protection devices, require a Written Scheme of Examination before they can be operated. ESIS Inspection and Insurance Services Limited specifications can provide the means to comply with these regulations. These services can be extended to cover other units e.g. air pressure receivers etc.

3.3 SERVICE CONTACTS

For service during warranty period contact: AQUATECH-PRESSMAIN Service Department

Head Office Tel: 01206 215121 Manchester Office Tel: 0161 226 4727

For regular servicing, contact their service division: ACORN PRESSURISATION SERVICES

Head Office Tel: 01206 215151 Manchester Office Tel: 0161 226 4727

who will be pleased to give you expert advice on this or any other servicing matter.

4. DISPOSAL

Disposal of this product or parts of it must be carried out in accordance with the following guidelines:

Use the local public or private recycling/waste collection service.

In case such a recycling/waste collection service does not exist or cannot handle the materials used in this product, please deliver the product or any hazardous material from it to your nearest AquaTech-Pressmain office.