



# AquaTech Pressmain

## INSTRUCTIONS FOR

GENERAL SAFETY INFORMATION, WARNINGS & CAUTIONS,  
INSTALLATION, MAINTENANCE & DISPOSAL

## GV100-P AND TA100-P SERIES PRESSURISATION UNITS WITH PRESSURE SWITCH CONTROL

MODELS: GV100-P, TA100-P








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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 & 0.4 before doing anything else, and then follow them carefully.
- 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.*
- Hydraulic Accumulators/Expansion Vessels installed as part of/in conjunction with this equipment, with Pressure x Volume above 250 Bar-litres, require regular formal inspection by a *competent person*. This is a Legal Requirement under the “Pressure Systems Safety Regulations” (PSSR) and the Owner/User should be made aware of their responsibility for this. (see section 3. Servicing).
- 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.
- This equipment contains moving/rotating parts that must remain guarded. Removal of or missing guards could lead to serious personal injury.
- This equipment automatically restarts after a power interruption.
- We accept no responsibility or liability for any consequences or damage/losses due to misapplication, mishandling or misuse of the equipment.
- It should be noted that the assembly of pressure equipment on site under the responsibility of the user (or his representative) is not subject to the Pressure Equipment Directive 97/23/EC. (National legislation covering assembly on site will apply)
- The latest version of this instruction manual with up to date safety information can be downloaded from our website at [www.aquatechpressmain.co.uk](http://www.aquatechpressmain.co.uk)



### 0.1 WARNINGS

- 0.1.1 **Do not touch any live parts for at least 5 minutes after switching off the electricity supply. Failure to observe this will constitute a severe Electric shock and/or Burns hazard and may be lethal.**
- 0.1.2 **The equipment is only suitable for earth referenced supplies and must be permanently earthed to avoid Electric shock hazard.**
- 0.1.3 **With equipment isolator OFF, mains voltage may still be present from BMS system. This constitutes an Electric shock hazard.**
- 0.1.4 **Emergency stop button does not remove dangerous voltages from control panel/pump motor assemblies. This constitutes an Electric shock hazard.**
- 0.1.5 **Metal parts (e.g. heat sinks) may reach temperatures of 90 degrees centigrade and will constitute a Burns hazard.**
- 0.1.6 **Some equipment is designed to operate with liquid temperatures up to 150 degrees centigrade and will constitute a Burns/scalding hazard.**
- 0.1.7 **The equipment must not be pressurised beyond the maximum working pressure as stated on pumps/pipework/vessels/control panel otherwise serious mechanical damage/destruction could occur causing injury to people or property.**

- 0.1.8 The equipment must not be heated/chilled beyond the maximum/minimum working temperature as stated on pumps/pipework/vessels/control panel otherwise serious mechanical damage/destruction could occur causing injury to people or property.
- 0.1.9 Any damage to equipment, pumpset, vessels, pipework or system components caused by misapplication, mishandling or misuse could lead to Electric shock hazard, Burns hazard, Fire hazard, Flooding hazard or cause injury to people or property.
- 0.1.10 This equipment may contain moving/rotating parts that must remain guarded. Removal of or missing guards could lead to serious personal injury.
- 0.1.11 Pressure vessels must never be disassembled whilst in use, they contain high pressure air/gas charge which could cause injury to people or property.
- 0.1.12 Pump motors with lifting eyes; the lifting eyes are only suitable for lifting motors NOT the entire pump assembly. This could cause injury to people or property.
- 0.1.13 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.



## 0.2 CAUTIONS FOR INSTALLATION

- 0.2.1 READ GENERAL SAFETY INFORMATION 0.0, WARNINGS 0.1 and CAUTIONS 0.2, 0.3 & 0.4
- 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 Do not lift the pumpset by pipework. Lift the pumpset by the container pallet using a pallet/forklift or crane by passing strops underneath the skid using a spreader bar. Failure to utilise these facilities will result in damage to the pumpset.
- 0.2.4 Store in a dry place to avoid damp conditions deteriorating the equipment.
- 0.2.5 Protect against dirt, damage and frost. It is absolutely essential that no foreign matter such as pipe thread swarf, welding slag, grit or stones are allowed to enter the equipment. Debris of this type can cause severe damage to the mechanical seals, diaphragms and impeller. Frost/freezing will damage pumps/pipework and control panel components.
- 0.2.6 The equipment is only suitable for installation in a clean, dust free indoor environment, with adequate protection from heat and frost, and sufficient ventilation to ensure cooling of the motors. Ambient air temperature should be between 5 and 40 degrees centigrade, non-condensating. Operation outside of these conditions could seriously damage the equipment.
- 0.2.7 If the equipment were 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 equipment of all water/liquid (with due regard to any local regulations) to prevent frost damage to components. When restarting is required we would recommend commissioning by our authorised service agent.
- 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 Ensure the electrical supply is the correct voltage, current, frequency and type for the equipment supplied and that suitable circuit protection equipment is installed in the supply. Incorrect electrical installation could be an electric shock/burns/fire hazard.
- 0.2.10 When accessing the control panel to make electrical connections adopt anti-static procedures e.g. wear anti-static earthed wristband, to avoid risk of damaging the controller.
- 0.2.11 All products that are packaged to include Pressure vessel(s)/Hydraulic Accumulator(s)/Expansion Vessel(s) are classed as "Assemblies" under the Pressure Equipment Directive (PED). Where units are despatched with "Loose" vessel(s) for assembly on site it is absolutely essential that they be installed as detailed in the instructions using the

fittings provided where appropriate. Failure to observe this will nullify compliance with the PED and may present a safety hazard. Your warranty may also be affected.

- 0.2.12** Where Hydraulic Accumulator(s)/Expansion Vessel(s) are supplied as a loose item, they must be installed/connected correctly before operating the equipment, otherwise serious damage from over-pressure/pump overheating could occur.
- 0.2.13** Do not operate this equipment/pumpset prior to commissioning. This could cause irreparable damage to equipment/pumpset/pipework/system components.
- 0.2.14** Isolate the equipment/pumpset before pressure testing system. Excess pressure could irreparably damage the pressure switches and the diaphragms of pressure vessel/hydraulic accumulators.
- 0.2.15** 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.
- 0.2.16** When chlorination of the system is carried out, ensure that any residual chlorine is removed by thorough flushing as detailed in the HSE approved code of practice L8, to avoid damaging the equipment/pumpset. The normal level of chlorination is up to 2 parts per million (ppm), but shock dosing for sterilization purposes, at 25-50 ppm for 24-48 hours is acceptable as long as all chlorine is removed once the process is complete. Chlorination beyond these limits could seriously damage pumpset components and WILL NOT be covered by the warranty.
- 0.2.17** The installer/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.
- 0.2.18** The equipment is only suitable for earth referenced supplies and must be permanently earthed to avoid electric shock hazard.
- 0.2.19** The equipment must be permanently earthed with appropriate sized Earthing.
- 0.2.20** Never perform high voltage resistance tests on control panels, variable speed drives/motors without first disconnecting the panel/drive/motor from the circuit being tested as this will damage the built in electronic components.
- 0.2.21** Metal parts (e.g. heat sinks) may reach temperatures of 90 degrees centigrade.
- 0.2.22** Do not use the "Pressurisation unit" for filling the system pipework. These types of equipment are only suitable for topping up small losses/leaks in the system. A separate means of filling e.g. a quick fill loop (check with local water regulations first!) should be used instead, with the system connection valve to the equipment closed.
- 0.2.23** Where "Expansion vessels" are used on LTHW heating system pressurisation units, the temperature of the fluid returning to the vessels should not exceed 70 degrees Centigrade as this could damage the vessel diaphragm. Where the temperature exceeds 70C an intermediate cooling vessel should be fitted.
- 0.2.24** For MTHW and HTHW pressurisation units use a Nitrogen vessel suitable for the system conditions. Please contact AquaTech-Pressmain for further information.
- 0.2.25** Do not use the "Pressurisation unit" for dosing the system with chemicals. Only allow clean cold water into the break tank. Anything other than clean cold water could damage the pumps/pipework components.
- 0.2.26** Drain cocks/valves and air bleed screws must not be left open as this could cause flooding.



### **0.3 CAUTIONS FOR OPERATION/USER**

- 0.3.1** READ GENERAL SAFETY INFORMATION 0.0, WARNINGS 0.1 and CAUTIONS 0.2, 0.3 & 0.4
- 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 The Owner/User of this equipment has a Legal Responsibility to ensure that it is subject to regular formal inspections. See Servicing, for details.
- 0.3.4 Where Hydraulic Accumulator(s)/Expansion Vessel(s) are supplied as a loose item, they must be installed/connected correctly before operating the equipment; otherwise serious damage from over-pressure could occur.
- 0.3.5 The equipment must not be run until commissioned by an authorised AquaTech-Pressmain agent, this could irreparably damage the pump equipment and/or system components/pipework connected to it.
- 0.3.6 The pumpset should be left switched ON with the pumps switched to AUTO for normal operation.
- 0.3.7 The pumpset should not be left in “Hand” operation for more than 1 minute. This could lead to severe damage of pumpset components and/or pipework system from over-pressure and/or overheating.
- 0.3.8 Ensure pumpset has an adequate water supply at all times to prevent dry running causing pump seal damage and water leakage.
- 0.3.9 Do no attempt to start pumps without liquid in volutes (pumps must be fully primed); mechanical seals must have a film of liquid between faces for proper operation and to prevent damage.
- 0.3.10 Portable telephones or other electro-magnetic equipment must not be used near the equipment to avoid corruption of program and unpredictable operation of unit.
- 0.3.11 For Pressurisation units utilising Nitrogen Vessels (generally HTHW units) ensure there is an adequate supply of Nitrogen at all times to avoid mis-operation of the equipment.



## 0.4 CAUTIONS FOR MAINTENANCE

- 0.4.1 READ GENERAL SAFETY INFORMATION 0.0, WARNINGS 0.1 and CAUTIONS 0.2, 0.3 & 0.4
- 0.4.2 The unit should only be operated/maintained by a competent person; *A competent person is someone who is technically competent and familiar with safety practices and the hazards involved.*
- 0.4.3 Where the pumpset is fitted with Building Management Services (BMS) interconnections, notify the appropriate persons before switching OFF for maintenance or adjustments, to avoid unnecessary alarm conditions occurring. WARNING: With pumpset isolator OFF, mains voltage may still be present from BMS system. This constitutes an Electric shock hazard.
- 0.4.4 To prevent seizing, pumpsets must not be left unused for long periods (e.g. 1 week).
- 0.4.5 The pumps must be run regularly to avoid stagnation of water in the pumps/pipework (e.g. daily).
- 0.4.6 Do not vent air from air valves on vessels. These are for adjustment of pre-set cushion pressures. If wrongly adjusted this will lead to incorrect operation of the pumpset and possible damage to pumps, pipework and system components from overheating and over-pressure.
- 0.4.7 Switch OFF pumpset before accessing pumps and/or control panel.

## 1.0 Overview

The purpose of this manual is to provide the necessary information for proper installation, operation and maintenance of the GV100-P & TA100-P Series Pressurisation Units.

“GV100-P” units have the spill tank floor mounted adjacent to the pump unit.

“TA100-P” units have the spill tank mounted on a stand above the pump unit (**Tank Above**) thereby reducing floor space required.

Read this manual before using the product. Improper use may cause personal injury and damage to property, and lead to the forfeiture of the warranty coverage.

The instructions and warnings provided concern the standard version.

Please refer to the sale contract for any modifications or special version characteristics.

Always specify the exact model identification code and serial number when requesting technical information or spare parts from our Sales and Service department.

For instructions, situations or events not considered in this manual or in the sale documents, please contact our Service Centre nearest you.

## 2.0 Preliminary Inspection

**2.1 Visual Inspection.** Upon delivery, check the integrity of the packaging. If the packaging is damaged, unpack the product and inspect it visually to make sure it has suffered no damage during transport. Should the product be damaged, inform our dealer within 8 days from delivery.

**2.2 Handling and Storage.** During transport and storage, protect it from humidity, frost, heat sources and possible mechanical damage (impacts, falls, etc). Lift and handle the product carefully using suitable hoisting equipment.

## 3.0 Applications

The GV100-P & TA100-P series pressurisation units are designed to maintain a minimum set pressure in a sealed heating or chilled water systems. Once the system has been initially filled via a quick filling loop or other suitable means, should the pressure fall below the cold fill pressure the unit operates automatically to restore that pressure. If high or low pressure conditions should occur the boiler / chiller operation can be interrupted via the volt-free contact provided. The unit is used in conjunction with a suitably sized expansion vessel from the ‘Aquatank’ range of replaceable-diaphragm vessels tested to BS6144. All packaged equipment is manufactured in accordance with ISO9001 quality assurance procedures.

## 4.0 Working Limits

For storage: Ambient temperature: -5°C to +40°C.  
For operation: For information regarding the GV100 refer to the relevant manuals.

### 4.1 Pressurisation Unit

Do not use the product in environments where corrosive and/or flammable powders, acids, gases, etc. are present.

Do not use the electric pump to handle dangerous or flammable liquids.

- Ambient temperature: +0°C to +40°C
- Maximum relative humidity: 50 % at + 40°C provided no condensation occurs
- Maximum height above sea level: 1000 meters
- Protection class: IP 55 (if installed on motors with at least IP55 protection)

- Maximum operating pressure: refer to the operating instructions
  - Nature of pumped liquid: water containing no chemically aggressive substances or suspended solids
  - Supply voltage Refer to equipments specific electrical drawing
- For ambient conditions other than those specified above, please contact our Sales and Service Department.

## 5.0 Installation Information for Installers

**Observe all the safety standards and accident prevention regulations in force.**

The installation operations must be carried out by skilled and qualified personnel. Use adequate equipment and protections.

Before proceeding with the installation, read these operating instructions and specific General Arrangement Drawing. If the product shows evident signs of damage, do not proceed with installation but contact our Customer Service Centre.

The system should be flushed at least once to remove debris from the pipework prior to installation.

Install the product in a sheltered location protected from the weather and freezing temperatures; observe the working limits in order to guarantee adequate motor cooling.

The GV100 or TA100 should be positioned on a firm level base, which should be approximately 75mm above floor level. Preferably, the atmosphere should be dust free and ambient temperature must not fall below 4°C. Standard units are supplied in three pieces; the control unit, sparge pipe work and the spill tank.

A neoprene hose is supplied for the pump suction connection to the spill tank. A distance of 100mm should be allowed between the unit and tank. The sparge pipe is positioned in the bracket on the spill tank and the unit reconnected.

### 5.1 Hydraulic Connection

The hydraulic connections must comply with current standards and legislation.

The tank supply ball valve is ¾" and the pipe size to this valve should not be reduced. With the standard ¾" ball valve, supply pressure must be 20 p.s.i.g. (1.5 Bar) minimum.

It may be found that a larger ball valve is fitted to this, due to site conditions, i.e. mains at low pressure, or low level head tank supply, where again the pipe size should be maintained.

A socket is provided for the tank overflow, (sized accordingly).

The safety valve should be piped away from the unit, the discharge must be visible.

The system valve on the unit should be connected to the **return** header (boiler inlet).

If there is a possibility of dirt, scale or solids in the system, it would be prudent to fit a strainer and isolating valve between the unit valve and system connection.

***IMPORTANT;*** No strain must be placed on the unit pipe work. Care should be taken when connecting the system valve.

**At least one air vent should be installed on the system.**

### 5.2 Buffer Vessels (MTHW Systems)

If a buffer vessel has been supplied with the pressurisation unit, these vertical vessels are supplied with top and bottom connections. The top connection **MUST** be piped to the heating system pipe work and the vessel bottom connection to the pressurisation unit, (refer to enclosed drawing and information sheets). If the pipe work from the top of the vessel drops to a lower level, we would advise that an automatic air vent be fitted to the topmost pipe work.

### 5.3 Low Level Water (Optional)

If a low water level water switch is supplied with the unit and is to be fitted by the Contactor on site, the switch should be set to open the pump circuit (see electrical drawing) approximately 100mm above the tank suction pipe.

### 5.4 Electrical Connection

The electrical connections must comply with current standards and regulations.

Make sure that the type of power source, the supply voltage and frequency match the ratings of the GV100 Pressurisation unit shown in the rating plate. Provide suitable general protection against short circuits on the electrical power line.

### 5.5 Alarm Relays

The GV100-P series of pressurisation units has volt free contacts that can be used to obtain a malfunction or an external shutdown signal. This contact is closed when one or more of the following conditions are detected;

System High Pressure	
System Low Pressure	
System Interlock	
Pump Run	(optional)
Pump Trip	(optional)
Low Water Level	(optional)

To connect to the volt free alarms please refer to your equipments specific electrical drawing

## 6.0 Start-up Information for Installers

Before proceeding with these operations, make sure that all the connections (even those that are potential-free) are voltage-free. Always isolate from the power supply before carrying out any operations on the system's electrical or mechanical components.

### 6.1 Initial Start-up

The start-up operations must be performed by skilled and qualified personnel. Use adequate equipment and protections. Observe the accident prevention regulations in force.

Before starting the unit, read these operating instructions.

The equipment should be fully checked to ensure all connections are made and electrical supplies are correctly rated, i.e. voltage, fuse sizes etc.

On ensuring that the spill tank is clean internally, the water supply to the ball valve should be opened and left until the water level has risen to close the ball valve.

The drop arm on the float valve has been factory set to give the correct water level in the spill fill tank.  
**DO NOT INTERFERE OR RE-ADJUST THIS ARM.**

Both pump suction and delivery valves should be opened, with the system valve and drain valve closed. The electrical supply should then be switched on and checked for **correct pump rotation** as marked on the pumps. If incorrect reverse.

With both pumps in operation, pressure should rise until one pump stops operating; two or three p.s.i.g. above this point will cause the second pump to stop. It may be necessary to open the system valve for a short period to purge the pumps of air.

The system should have been back filled to 10 p.s.i.g. (0.7 Bar) below the working pressure of the unit and then vented to air.

At this stage, the unit system valve may be opened slowly. The duty, then the booster pump will operate until the system pressure is equal to the unit.

The system is now ready for operation.

## 6.2 Operation

Upon the boiler firing and the system temperature increasing, the pressure will slowly rise and at the rated working pressure, the transfer solenoid will open to discharge water from the system into the spill tank. This will continue until the pressure falls 3 – 4 p.s.i.g, when the solenoid will close.

This transfer cycle will continue until the system temperature is stabilised.

With falling temperature in the system, the unit pumps will operate at 8 – 10 p.s.i.g. below the maximum working pressure.

Operation of the low pressure switch will occur 3- 4 p.s.i.g below the booster pump cut-in point.

A note should be made of the boiler safety valve settings. This should be at least 15 p.s.i.g. (1.0 Bar) above the maximum working pressure of the unit and is for the protection of the unit only

## 7.0 Maintenance Information for Maintenance Personnel

Observe the following directions if you need to carry out any service operations on the product. Maintenance operations must be performed by qualified personnel only.

Before carrying out any maintenance operations, make sure that all the connections (even those that are potential-free) are voltage-free.

Always disconnect the unit from the power supply before carrying out any operations on the system's mechanical or electrical components.

After disconnection from the power source, wait at least 1 minute before carrying out any work on unit to allow the internal circuits to discharge.

### 7.1 Routine Maintenance

The pressurisation unit should be maintained at least every twelve months and that simple checks are made of the unit every six months, to ensure reliability of this equipment.

#### 7.1.1 Pressure Switches

All pressure switch settings need to be observed and reset, if necessary to the information detailed on the Product Data Sheet

#### 7.1.2 Diaphragm Pressure Vessel

The diaphragm pressure vessel gas charge needs to be checked and recharged with nitrogen to the appropriate setting as detailed on the Product Data Sheet

To check the diaphragm pressure vessel gas charge the following method should be used: -

Reduce system temperature to 70°C or below, isolate unit from system, switch off the unit and drain off the pressure vessel by the low level drain valve.

When the unit gauge is at zero, the vessel charge should be checked by the valve at the top of the vessel. A standard type of gauge is sufficient. If the pressure is below the setting detailed on the Product Data Sheet the vessel should be re-charged with nitrogen or dry air, to the appropriate pressure.

#### 7.1.3 Filters

Filters are fitted to the inlet of the solenoid and may be installed at the pump suction in the spill tank. These filters need to be checked and cleaned.

Our Service Department is available to arrange regular servicing of the unit or to offer advice as required.

## 8.0 Spare Parts Information for Maintenance Personnel

Always state the exact model identification number and serial number when requesting technical information or spare parts from our Sales and Service Centre.

Use only original spare parts when replacing any faulty components.

The use of unsuitable spare parts can cause malfunctions, personal injury and damage to property.

## 9.0 Disposal Information

After installing the unit, dispose of packaging according to legislation in force; if possible, re-utilize the packaging for other purposes.

If the motor needs to be decommissioned and dismantled, observe the current legislation regarding sorted waste disposal.

## 10.0 Warranty

Our standard warranty is twelve months from date of dispatch unless otherwise agreed in writing at the time of purchase. Extended warranties are available to be purchased during the warranty period.

## 11.0 AquaTech Pressmain Assist

The AquaTech Pressmain equipment that is described in this instruction booklet has been manufactured 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 Limited has appointed its sister company, and AGM Group member, Acorn Pressurisation Ltd as its official provider of commissioning and maintenance services. (See below).

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

### 11.1 Plant Servicing

**ACORN PRESSURISATION LIMITED,**  
**Phone: 01206 215151 Fax: 01206 215161**

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

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

### 11.2 Expansion Vessel Inspection

**ESIS INSPECTION & INSURANCE SERVICES**  
**Phone: 01206 215141 Fax: 01206 215142**

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

Under the Pressure Systems Regulations 2000, 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.

## **EC Declaration of Conformity**

We, AquaTech-Pressmain Limited, declare this Pressure Equipment Assembly:

**PRESSURISATION UNITS  
MODEL : GV100-P & TA100-P**

meets the requirements of EEC Directive:  
**Pressure Equipment Directive 97/23/EC (PED)**

**PED Conformity Assessment Modules : B + D  
Notified Body : BSI Product Services,  
Maylands Avenue  
Hemel Hempstead  
Hertfordshire  
HP2 4SQ**

**Type Examination Certificate Ref. CE95657**



7.4.2009

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