

# PV623G

# PV623-IS

**Priming Pump**  
Instruction Manual





**A1**



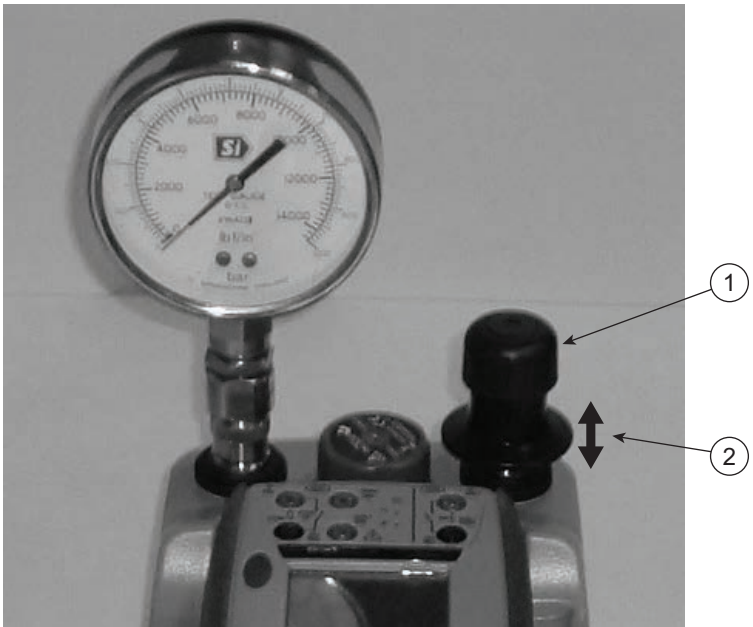
**A2**



**A3**



**A4**



**A5**





# Introduction

The following procedures are valid for PV623G / PV623-IS Pressure Generation Stations fitted with a priming pump. Models fitted with a priming pump can be identified by the presence of the priming pump handle, see Figure A4, item 2.

## Safety



**WARNING** Do not apply pressures greater than the maximum working pressure to the equipment.

It is dangerous to attach an external source of pressure to a PV623G / PV623-IS pressure generation station. Use only the internal mechanisms to set and control pressure in the pressure station.

To prevent a dangerous release of pressure, isolate and bleed the system before disconnecting a pressure connection.

Before using this instrument, read and understand the safety instructions 132M9252, user manual 132M9253, and the instructions for the accessories / options / equipment you are using it with.

## 1. Filling the PV623G / PV623-IS Reservoir

The following procedure details how to fill the internal hydraulic reservoir of the PV623G / PV623-IS.

1. Turn the Release Valve counter-clockwise (Figure A1).
2. Remove the assembly.
3. Fill the reservoir with the appropriate fluid to approximately 25 mm from the top (Figure A2).
4. Insert the assembly (Figure A3).
5. Turn the Release Valve clockwise until finger tight (Figure A4, item 1).
6. Pump to fill the system and generate the required priming pressure (Figure A4, item 2). Do not exceed 10 bar (145 psi).

## 2. Priming Sequence (Direct Connection)

The following procedure is for priming the system when the equipment under test is connected directly to the PV623G / PV623-IS.

1. Turn the Volume Adjuster counter-clockwise.
2. Turn the Volume Adjuster 10 turns clockwise.
3. Close Release Valve.
4. Close Refill Valve clockwise until finger tight (Figure A4, item 1).
5. Operate Priming Pump until liquid/air is seen coming from the open Pressure Generation Station (Figure A4, item 2).
6. Connect the equipment under test to the Pressure Generation Station.
7. Operate Priming Pump until pressure is indicated (Figure A4, item 2). Do not exceed 10 bar (145 psi).
8. Operate Volume Adjuster and Refill Valve to achieve required pressure.

## 3. Priming Sequence (Hose Connection)

The following procedure is for priming the system when the equipment under test is connected to the PV623G / PV623-IS using a hydraulic hose.

1. Turn the Volume Adjuster counter-clockwise.
2. Turn the Volume Adjuster 10 turns clockwise.
3. Close the Release Valve.
4. Close Refill Valve clockwise until finger tight (Figure A4, item 1).
5. Operate Priming Pump until liquid/air is seen coming from the open hose (Figure A4, item 2).
6. Connect the equipment under test to the hose.
7. Operate Priming Pump until pressure is indicated (Figure A4, item 2). Do not exceed 10 bar (145 psi).
8. Operate Volume Adjuster and Refill Valve to achieve required pressure.

**Note:** If priming a long hose, keep the open end of the hose vertical to reduce trapping air (Figure A5).









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