

TEMPERATURE CONTROLS PTY LTD

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THERMOCOUPLES * RTD SENSORS * THERMOWELLS * EXTENSION CABLES * LEVEL SWITCHES

Ref: 1226 – EXTERNAL PRESSURE TEST - FLANGED -

WELDING QUALIFICATION CERTIFICATE
WELDING PROCEDURE SPECIFICATION & PRESSURE TEST

Customer:

Order No:

This certificate is to confirm the 316L Barstock Thermowells supplied against the above order number were subject to the following tests.

Tag Number/s:

(i) HYDRAULIC PRESSURE TEST PROCEDURE - BARSTOCK THERMOWELLS

Thermowells were subjected to an external hydraulic pressure test of 10,000 KPa for a duration of **thirty minutes**.

Each Thermowell was individually tested on our Hydraulic Pressure Comparator. The test pressure gauge is traceable N.A.T.A. test pressure Gauge No. 07/03/013.

(ii) FOUR PART DYE PENETRANT TEST - FLANGED THERMOWELLS

In Accordance to AS.2062-1997 "Methods for non-destructive penetrant testing of testing of products and components and BPV Code, Section V, Article 6 referenced by ASME B31.3 standard for Liquid Penetrant Testing.

All Thermowell flanges were subjected to a four part dye penetrant test using flaw check dye penetrant spray.

(iii) WELDING PROCEDURE SPECIFICATION - FLANGED THERMOWELLS

In Accordance to AS1210 - SAA Unfired Pressure Vessel Code

Welding

Full penetration welding, Primary weld is "J" groove type, secondary weld is "J" groove type. Welding is performed by certified welders using inert gas shielded arc.

Individual welding procedure specifications detailing materials used, method of welding, joint type and material specification are available on request.

RAISED FACE: Sealing Finish. Standard RA 16 option 12.5, 8, 6.3, 3.2, 1.6, 0.8 & 0.4.

All Thermowells passed the test without failure.

Michael Donnelly
Testing Officer

Date of Test: