

Your Ref: PO 47943  
Our Ref: TT2416  
Enquiries: Lyndon Bunn



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Attn: Mr Jonathan Ingram  
Level 1, 580 Hay St  
Perth WA 6000

Dear Sir,

The following specimen was tested for compliance with AS 4956-2008, Clauses 5.2.3, 5.2.5 and 5.2.6. Test results are as follows.

Specimen: 50mm Vent Master air release valve (metallic).

#### **AS 4956-2008**

##### **Clause 5.2.3 – Test 2: Seat test**

The specimen was subjected to a hydrostatic pressure of 1,760 kPa at ambient conditions for 10 minutes. There was no evidence of leakage past the valve seat.

The specimen complied with the requirements of Clause 5.2.3.

##### **Clause 5.2.5 – Test 4: Endurance test**

###### **5.2.5.2 – Small-orifice valve**

The specimen was subjected to an endurance test under the following test conditions.

The maximum cycle pressure was 2,400 kPa. The minimum cycle pressure was 160 kPa. The cycle frequency was 2 cycles/minute. Air was injected into the valve body whilst maintaining an inlet pressure above 10% of the allowable operating pressure. Air was released past the valve seat at a pressure above 10% of the allowable operating pressure. The specimen successfully completed 2,000 cycles.

Following the pressure cycling period the specimen was tested in accordance with the requirements of Clause 5.2.3. The specimen was subjected to a hydrostatic pressure of 1,760 kPa at ambient conditions for 10 minutes. There was no evidence of leakage past the valve seat.

The specimen complied with the requirements of Clause 5.2.5.



This laboratory is accredited by the National Association of Testing Authorities, Australia. Accreditation No. 14285.  
Accredited for compliance with ISO/IEC 17025.

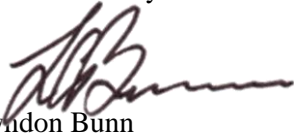
### Clause 5.2.6 – Test 5: Unseating test

The specimen was subjected to a hydrostatic pressure of 1,600 kPa and was held at this pressure for 72 hours and 18 minutes, within a temperature range of between 55°C and 60°C. There was no leakage or evidence of any other damage to the specimen.

Following the test period above, the specimen was tested in accordance with the requirements of Clause 5.2.3. The specimen was subjected to a hydrostatic pressure of 1,760 kPa at ambient conditions for 10 minutes. There was no evidence of leakage past the valve seat.

The specimen complied with the requirements of Clause 5.2.3 and therefore complied with the applicable requirements of Clause 5.2.6.

Yours faithfully



Lyndon Bunn

**Senior Laboratory Technician**

23 October 2013

TT2416 Test results.docx