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Report No. : 252499PC250775(2)

## **REPORT ON TESTING OF AIR RELEASE VALVE**

### **Information Supplied by Client**

Client : Hoi Luen Hardware Company Limited  
Client Address : Shop A, G/F, King Centre, 23 Dundas Street, Mong Kok, Kowloon  
Project : Testing of Air Release Valve  
Sample Description : Ductile Iron Flanged Automatic Air Release Valve (AIR Vent)  
Brand : JAMES  
Country of Origin : China  
Manufacturer : Hoi Luen Hardware Company Limited

### **Laboratory Information**

Lab. Sample I.D. : PC250775/7-8  
Date Received : 14 July 2025  
Date Test Started : 21 July 2025  
Date Test Completed : 28 July 2025  
Test Method : BS EN 12266-1 : 2012

### **Sample Information**

Lab Sample I.D.	Nominal Size (inch)	Model No.	Body Marking
PC250775/7	80mm (3")	DFAV	DN80 PN16 GGG50
PC250775/8	100mm (4")	DFAV	DN100 PN16 GGG50

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### Test Results

#### 1. Pressure Test

(BS EN 12266-1 : 2012)

Lab Sample I.D.	Nominal Size (Inch)	Shell Test				
		Nominal Pressure PN (bar)	Test Pressure (bar)	Duration (sec)	Observation	Results
PC250775/7	80mm (3")	16	24	15	No visually detectable leakage	Pass
PC250775/8	100mm (4")	16	24	15	No visually detectable leakage	Pass
BS EN 12266-1 : 2012 Annex A.3 Requirement		16	16x1.5 =24	Up to DN50 (min.15 sec)	Visually detectable leakage is not permitted	

Lab Sample I.D.	Nominal Size (DN)	Seat Test					
		Nominal Pressure PN (bar)	Test Pressure (bar)	Duration (sec.)	Observation	Rate	Results
PC250775/7	80mm (3")	16	17.6	15	No visually detectable leakage	A	Pass
PC250775/8	100mm (4")	16	17.6	15	No visually detectable leakage	A	Pass
BS EN 12266-1 : 2012 Annex A.4 and table A.5 Requirement		16	16x1.1 =17.6	Upto and including DN50 (15sec.)	No visually detectable leakage for the duration of the test	A	

Remark : The report refers only to the sample(s) tested and the result(s) applied to the sample(s) as received.

Checked by :

Date : 19 AUG 2025

Certified by :

Date : 19 AUG 2025

Ng Shu Shing Chris

Assistant Manager (Plumbing Components)

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Test Sample (3")



Body Marking (3")



Test Sample (4")



Body Marking (4")

**\*\*End of Report\*\***