



Acme Sanitary Ware Co. Ltd.

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Since 1949

PROJECT		REF		REV	ITEM CODE	
LOCATION		DATE			PAGE	

SANITARY WARE SPECIFICATION SHEET

Item Descriptions	Diethelm (PRC) 32mm plastic anti-syphon bottle P-trap with one way valve disk of stainless steel complied with clause C1.2.3 of general specification for Drainage installation by ASD (edition 2017); BS3943:1979 & BS6280:1982; test report J2558A	Illustration/ Drawing
Model	1010	
Color	White	
Material	Plastic	
Manufacturer	Diethelm (PRC)	
Supplier	Acme Sanitary Ware Co. Ltd Mr. Eric Wong/ Mr. Wilson Hung	
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Note:

* All information of the above is for the reference only. No prior notice is made if any changes.



NUTEK SYSTEMS, LTD.

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TEST REPORT

TITLE : Testing of Waste Trap
OUR REFERENCE : J2558A
DESCRIPTION OF SAMPLE : 32mm Plastic Anti-siphon Bottle Trap
SAMPLE SUBMITTED BY :

MODEL : 1010
BRAND : DIETHELM
BODY MARKING : DIETHELM SINGAPORE
 MODEL NO. 1010
METHOD OF TESTS : BS3943 : 1979 ; BS6280 : 1982
PERIOD OF TESTS : 13th to 24th March 1995

RESULTS : - 1. DIMENSIONS

	Sample	BS Requirement
Nominal Size (mm)	32	/
Minimum Cross-sectional area of waterway (mm ²)	994.9	640
Depth of Water Seal (mm)	101.8	38 min. or 75 min.
Internal Diameter of Inlet Tubing (mm)	35.4	/
Internal Diameter of Outlet Tubing (mm)	35.5	/

2. HYDRAULIC PRESSURE TEST

	Test Pressure (kPa)	Duration (sec)	Remark
Sample	40	10	Pass
BS Requirement	40	10	/

3. WATER SEAL TEST

	Test Pressure (Pa)	Duration (sec)	Remark
Sample	690	10	Pass
BS Requirement	690	10	/



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TEST REPORT

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4. FLOW OF WATER TEST

	Water flow rate (litre/min)	Remark
Sample	61.7	Pass
BS Requirement	40 min.	/



5. INTERNAL CLEARANCE TEST



Pass ; the trap is capable of accommodating the passage of a steel ball of diameter 10mm, when tested by passing the ball right through from inlet to outlet.

6. RESIDUAL STRESS TEST

The trap was immersed in boiling solution of 0.2% sodium alkyl aryl sulphonate detergent with 0.5% margarine. After 30 minutes, the trap was removed and allowed to cool. It showed neither cracking nor degeneration, and the function of maintaining the water seal is not affected.

Remark : Pass

7. BACKSIPHONAGE TEST (BS6280)

	Test pressure, absolute (bar)	Duration (sec)	Amount of water collected in the water trap (ml)	Remark
Sample	0.5	5	0	Pass
BS Requirement	0.5	5	0	/

8. SUMMARY OF RESULTS (apply only to the samples tested)

Dimension - Satisfactory
 Hydraulic Pressure Test - Satisfactory
 Water Seal Test - Satisfactory
 Flow of Water Test - Satisfactory
 Internal Clearance Test - Satisfactory
 Residual Stress Test - Satisfactory

DATE : 24th March 1995

CERTIFIED BY : E. A. Bruges

Nutek Systems is a testing agency approved by the Water Authority and Government Supplies Department, for testing water supply fittings.

E.A. Bruges
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MASHRAE

Director & General Manager



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TEST REPORT

OUR REFERENCE NO. J2558A (P.3)

Appendix -- A Sketch of 32mm Plastic Anti-siphon Bottle Trap

