



Acme Sanitary Ware Co Ltd

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PROJECT		REF		REV	ITEM CODE	
LOCATION		DATE			PAGE	

SANITARY WARE SPECIFICATION SHEET

Item Descriptions	McAlpine (UK) 40mm (1-1/2") chrome plated resealing bottle trap with adjustable inlet;test report J4206K	<div>Illustration/ Drawing</div> <div></div> <div></div>
Dimensions	Refer to drawing	
Model	C10AR-CP	
Finish	Chrome Plated	
Manufacturer	McAlpine & Co. Ltd. (UK)	
Supplier	Acme Sanitary Ware Co. Ltd Mr. Eric Wong/ Mr. Don Yuen	
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<div>CP Plastic Resealing Adjustable Inlet Bottle Trap Chrome Plated Plastic Resealing Adjustable Inlet Bottle Trap with Multifit Outlet<ul style="list-style-type: none">● Available in 1¼" and 1½" sizes● Multifit Compression Outlet suits all plastic, copper and lead pipe● Adjustable Inlet makes trap suitable for all domestic repair, maintenance and improvement work● The simple non-mechanical action ensures retention of, adequate water seal even under extreme syphonic conditions● Eliminates the need for secondary ventilation● Chrome Plated Plastic</div> <div>General<p>Resealing Bottle Traps are an alternative to Anti-Syphon Traps (Silenttraps) and may be used in similar circumstances</p></div> <div>Operation<p>When the Trap is subject to syphonic conditions the automatic hydraulic action allows air to be drawn through the inlet of the Trap and through the by pass columns thus breaking the syphonic action. On cessation of syphonic conditions the remaining water falls back to reseal the Trap.</p><p>The Silenttrap ventilates by drawing air through a Non-Return Valve whereas the Resealing Trap ventilates by drawing air through the inlet of the Trap and through the water seal</p></div> <div>Advantages<p>The simple non-mechanical action ensures retention of, adequate water seal even under extreme syphonic conditions</p><p>Eliminates the need for secondary ventilation</p></div>		
<div></div>		

Note:

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

Source: McAlpine & Co



NUTEK SYSTEMS, L



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TEST REPORT

TITLE : Testing of Waste Trap
OUR REFERENCE : J4206K
DESCRIPTION OF SAMPLE : 40mm Plastic (PP) Resealing Bottle Trap
SAMPLE SUBMITTED BY

BRAND : McAlpine (UK origin)
MODEL : C10AR-CP
BODY MARKING : McALPINE 1 1/2 RESEALING REG. DES. C10R
METHOD OF TESTS : BS3943 : 1979
PERIOD OF TESTS : 2nd to 7th January 1998

RESULTS : -

1. DIMENSIONS

	Sample	BS Requirement
Nominal Size (mm)	40	/
Minimum Cross-sectional area of waterway (mm ²)	967.6	958 min.
Depth of Water Seal (mm)	81.1	75 min.
Internal Diameter of Inlet Tubing (mm)	35.8	/
Internal Diameter of Outlet Tubing (mm)	25.1	/

2. HYDROSTATIC PRESSURE TEST (external leakage and inlet attachment test)

	Test Pressure (bar)	Duration (sec)	Remark
Sample	0.5	15	Pass
BS Requirement	0.5	15	/

3. WATER SEAL TEST

	Test Pressure (Pa)	Duration (sec)	Remark
Sample	690	10	Pass
BS Requirement	690 ± 20	10	/



OUR REFERENCE NO. J4206K (P.2)



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	Water flow rate (litre/min)	Remark
Sample	77.8	Pass
BS Requirement	40 min.	/

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.

Trap components	Impact energy (J)	Weight of striker (kg)	Falling height (m)	Remark
Body	21	1.8	1.19	Pass
Coupling nuts	14	1.8	0.79	Pass
Other parts	7	1.8	0.4	Pass

Note : all samples showed no sign of crack or fracture after the test.

Dimension	- Satisfactory
Hydrostatic Pressure Test	- Satisfactory
Water Seal Test	- Satisfactory
Flow of Water Test	- Satisfactory
Internal Clearance Test	- Satisfactory
Impact test	- Satisfactory

CERTIFIED BY : E. A. Boyer

E.A. Bruges
BSc PhD CEng FIMarE
FIMechE FHKIE MASME
MASHRAE

Director & General Manager



NUTEK SYSTEMS, LTD.

TEST REPORT

OUR REFERENCE NO. J4206K (P.3)



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Appendix — Diagrammatic Sketch of 40mm Resealing Bottle Trap

