

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 Dimensions Refer to drawing Model C10AR-CP Finish Chrome Plated Manufacturer McAlpine & Co. Ltd. (UK) Acme Sanitary Ware Co. Ltd Supplier Mr. Eric Wong/ Mr. Don Yuen Contact Tel/Fax (852) 2388-7171 / (852) 2710-8012 E-mail acme@acmesanitary.com.hk Website www.acmesanitary.com.hk

CP Plastic Resealing Adjustable Inlet Bottle Trap Chrome Plated Plastic Resealing Adjustable Inlet Bottle Trap with Multifit Outlet

- 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

General

Resealing Bottle Traps are an alternative to Anti-Syphon Traps (Silentraps) and may be used in similar circumstances

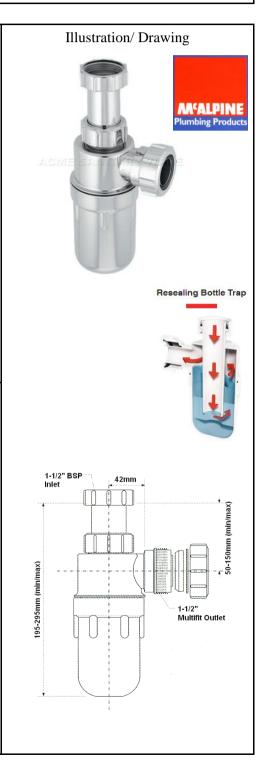
Operation

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.

The Silentrap 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

Advantages

The simple non-mechanical action ensures retention of, adequate water seal even under extreme syphonic conditions Eliminates the need for secondary ventilation



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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)

ax: (852) 2692 0798

MODEL

: C10AR-CP

BODY MARKING

: MCALPINE 1 1/2 RESEALING REG. DES. C10R

METHOD OF TESTS

: BS3943 : 1979

PERIOD OF TESTS RESULTS: - : 2nd to 7th January 1998

1. DIMENSIONS

*		Sample	BS Requirement
Nominal Size	(mm)	40	/
Minimum Cross-sectional area of waterway	(mm²)	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	1.

3. WATER SEAL TEST

	Test Pressure (Pa)	Duration (sec)	Remark
Sample	690	10	Pass
BS Requirement	690 <u>+</u> 20	10	/

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4. FLOW OF WATER TEST

	Water flow rate (litre/min)	Remark
Sample	77.8	Pass
BS Requirement	40 min.	1

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. IMPACT TEST

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.

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

 Dimension
 - Satisfactory

 Hydrostatic Pressure Test
 - Satisfactory

 Water Seal Test
 - Satisfactory

 Flow of Water Test
 - Satisfactory

 Internal Clearance Test
 - Satisfactory

 Impact test
 - Satisfactory

DATE: 25 February 1

CERTIFIED BY :

F A Brude

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

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

Director & General Manager

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TEST REPORT

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Appendix — Diagrammatic Sketch of 40mm Resealing Bottle Trap

