

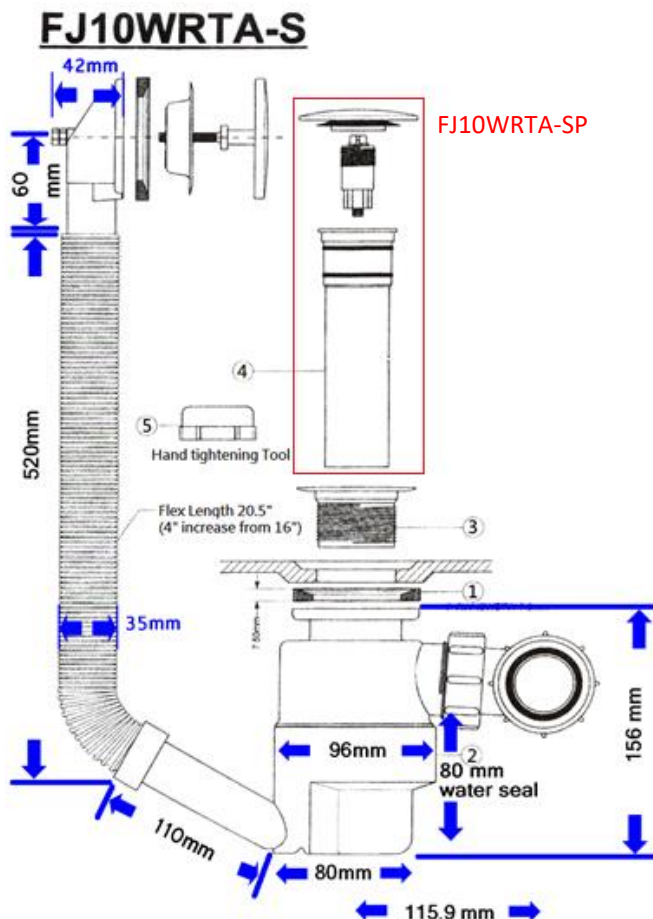




PROJECT		REF		REV	ITEM CODE	
LOCATION		DATE			PAGE	

# SANITARY WARE SPECIFICATION SHEET

Item Descriptions	McAlpine (UK) 80mm seal top access bath trap with overflow; complied with BS3943:1979 & Anti-siphonic tests; test report J7928 & J7928/1	<p>Illustration/ Drawing</p> 
Model	FJ10WRTA-S	
Material/ Color	Plastic/ White	
Manufacturer	McAlpine (UK)	
Supplier	Acme Sanitary Ware Co. Ltd Mr. Eric Wong/ Mr. Don Yuen	
Contact Tel/Fax	(852) 2388-7171 / (852) 2710-8012	
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Website	www.acmesanitary.com.hk	



### 80mm Seal Top Access Bath Trap With Overflow

**Code: FJ10WRTA-S**

1. Place Seal (1) in recess on top of trap (2) and offer up assembly to Bath
2. Screw Waste (3) into trap body (2)
3. Swivel Waste of trap body and connect overflow
4. Swivel top of trap body and position trap outlet in desired position
5. Ensure the trap outlet is in desired position and finally tighten waste (3) into trap using flange tightening tool (5)
6. Ensure that overflow connections are complete
7. Ensure waste pipe is properly connected to trap outlet
8. Insert tube and plug assembly (4) into bath trap
9. Test Installation

**Note:** Part of FJ10WRTA-SP can be ordered separately.



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## TEST REPORT



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TITLE : Testing of Trap  
OUR REFERENCE : J7928  
DESCRIPTION OF SAMPLE : 40mm top access resealing plastic bath trap with overflow tube  
SAMPLE SUBMITTED BY :

BRAND : McAlpine  
MODEL : FJ10WRTA  
BODY MARKINGS : McALPINE P.P.  
METHOD OF TEST : BS3943 : 1979  
PERIOD OF TESTS : 8<sup>th</sup> to 15<sup>th</sup> January 2002

### RESULTS:-

#### 1. DIMENSIONS

	Sample	BS Requirement
Nominal size (mm)	40	/
Minimum cross-sectional area of waterway (mm <sup>2</sup> )	962.1	958 min.
Depth of water seal (mm)	83.3	38 min. or 75 min.

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

	Test pressure (bar)	Duration (s)	Remark
Sample	0.5	15	Pass
BS Requirement	0.5	15	/

#### 3. WATER SEAL TEST

	Test pressure (Pa)	Duration (s)	Remark
Sample	690	10	Pass
BS Requirement	690 $\pm$ 20	10	/

/.....P.2



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### 4. FLOW OF WATER TEST

	Water flow rate (litre/min)	Remark
Sample	61.4	Pass
BS Requirement	50 min.	/

### 5. INTERNAL CLEARANCE TEST

Pass; the steel ball of diameter 10mm could pass right through from the sample's inlet to outlet.

### 6. IMPACT TEST

Trap component	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.

### 7. SUMMARY OF RESULTS (apply only to the sample tested)

Dimensions -- Satisfactory  
Hydrostatic pressure test -- Satisfactory  
Water seal test -- Satisfactory  
Flow of water test -- Satisfactory  
Internal clearance test -- Satisfactory  
Impact test -- Satisfactory

Date: 19<sup>th</sup> January 2002 Authorized signature:

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

Samson W.K. Yiu  
(Director)





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TEST REPORT



at Ind. Ctr.,  
Hong Kong.  
Fax: (852) 2692 0798

TITLE : Testing of Trap  
OUR REFERENCE : J7928/1  
DESCRIPTION OF SAMPLE : 40mm top access resealing plastic bath trap with overflow tube  
SAMPLE SUBMITTED BY :

BRAND : McAlpine  
MODEL : FJ10WRTA  
BODY MARKINGS : McALPINE P.P.  
TEST REQUIRED : Anti-siphonic tests  
PERIOD OF TESTS : 8<sup>th</sup> to 15<sup>th</sup> January 2002

RESULTS: -  
ANTI-SIPHONIC TESTS

- the test procedures are as shown in Appendix A-

a) Self siphonic test

Water seal before test = 83.3mm  
Water seal after test = 83.3mm  
Remark : Satisfactory

b) Induced siphonic tests

1. With one neighbouring cistern discharging

Water seal before test = 83.3mm  
Water seal after test = 81.3mm  
Remark : Satisfactory

2. With two neighbouring cisterns discharging

Water seal before test = 83.3mm  
Water seal after test = 75.8mm  
Remark : Satisfactory

Remark : the above test results shows that the trap sample can maintain a water sealing exceeding 25mm after siphonage has occurred. Thus, the sample complies with BS5572: 1994's requirement for resealing trap.

Date: 19<sup>th</sup> January 2002 Authorized signature : \_\_\_\_\_

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Samson W.K. Yiu

(Director)



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## TEST REPORT

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### Appendix A - Anti-siphonic Tests for Waste Traps

**Test methods :** A row of three cisterns were used for the purpose of testing the effect of siphonic actions on the waste trap. The cisterns were spaced at 22" (560mm) apart as shown in Figure 1. The following tests were carried out to measure the water seal in the trap before and after the siphonic tests.

**a) Self siphonic tests :-**

The water seal in waste trap A was first measured. With cistern A filled with water (6.5 lit) and allowed to discharge through the waste trap, the water seal was then measured again to check for any loss due to the self siphonic action.

**b) Induced siphonic test :-**

**1. With one neighbouring cistern discharging**

The water seal in waste trap A was first measured. With cistern B filled with water (6.5 lit) and allowed to discharge to create an induced siphonic action on trap A, the water seal was measured again.

**2. With two neighbouring cisterns discharging**

The water seal in waste trap A was first measured. Cistern B & C were filled with water (6.5 lit each) and both allowed to discharge at the same time to create an induced siphonic action on trap A, the water seal was measured again.

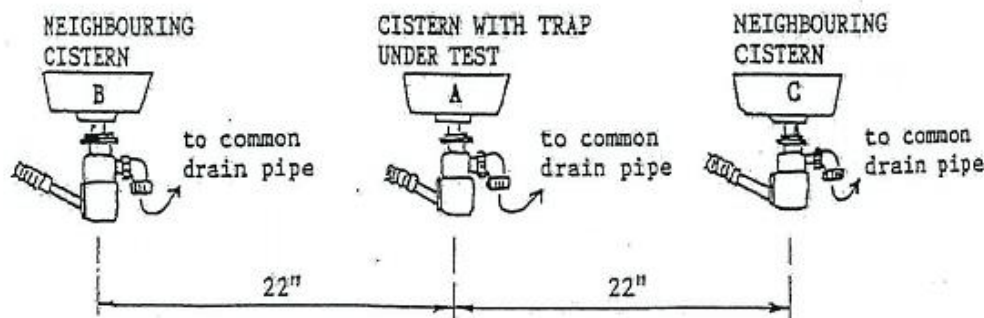


Figure 1 - Arrangement of Anti-siphonic tests



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TEST REPORT

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Appendix – A sketch of the 40mm top access resealing plastic bath trap with overflow tube  
(all dimensions are in millimetres)

