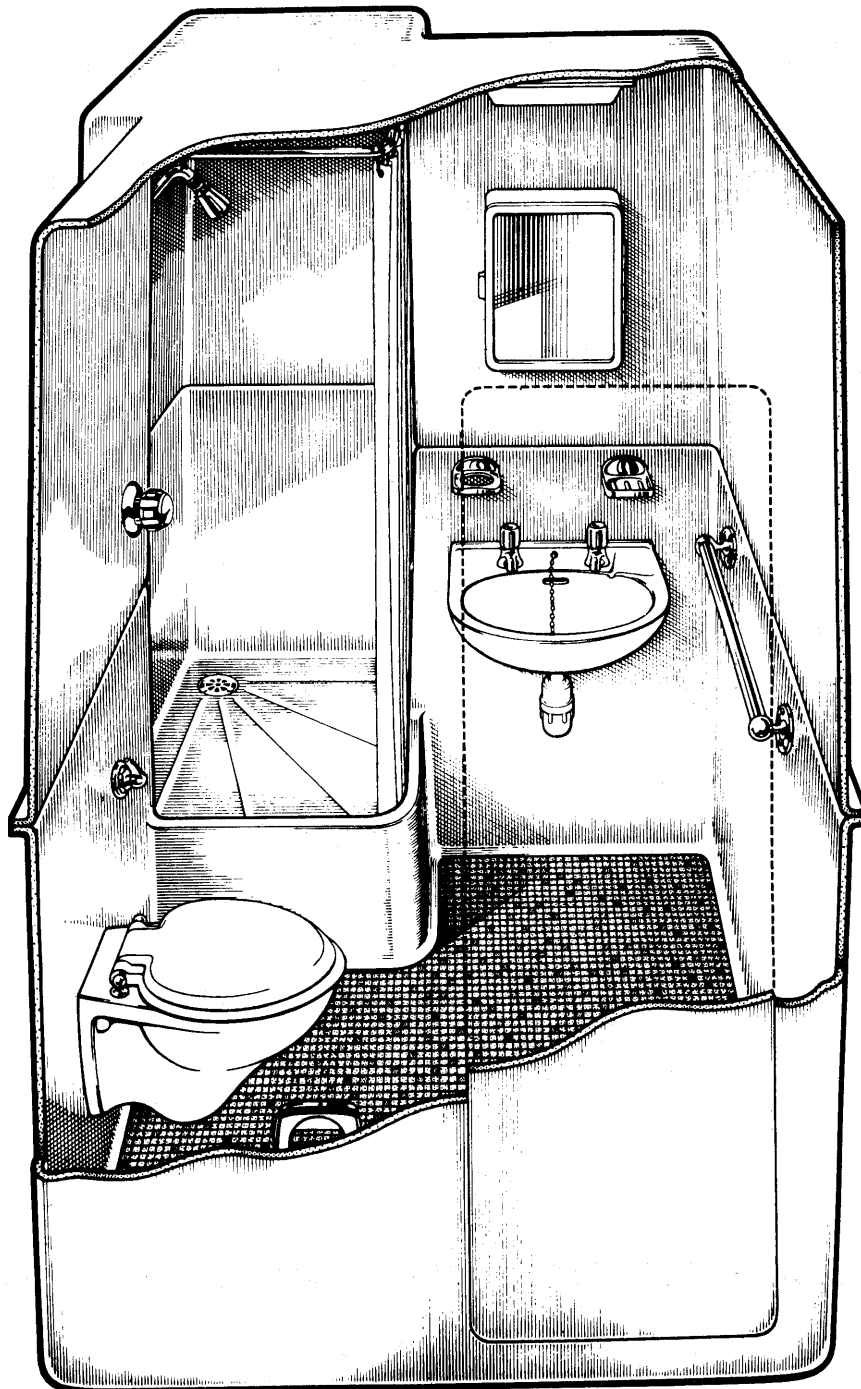




**W.J. KEATING LIMITED**

## **TYPICAL SHIP'S BATHROOM**



In this Ship's Bathroom are:-

81X7 Duplex shower unit

77X1 Melrose toilet with concealed Solway flushvalve

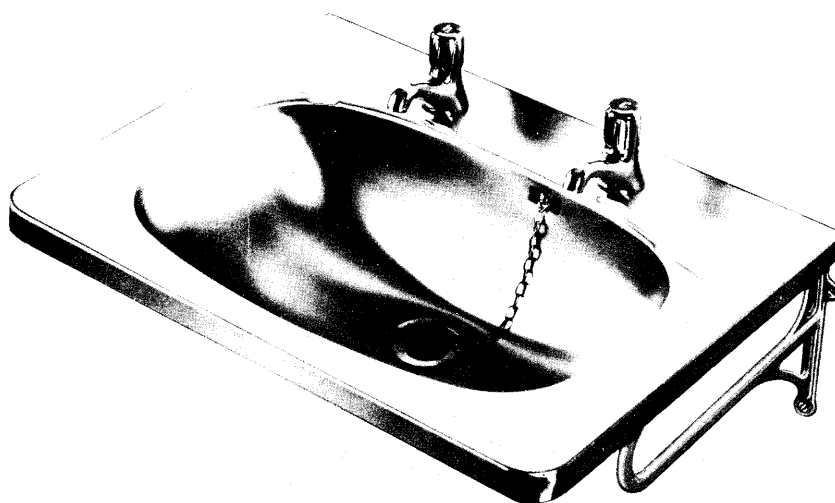
74X5 Portman washbasin and fittings

R856 Toilet cabinet with mirror door and other accessories

**SEND FOR COMPLETE CATALOGUE INFORMATION**



## WASHBASINS



### K-4000

**Plate 78X11-2** washbasin comprising  
RM6 1/2o washbasin in stainless steel, two tapholes,  
overflow assembly, fixing bolts

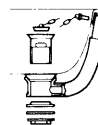
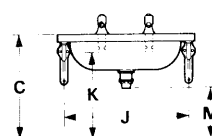
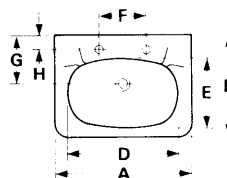
Catalogue No.	Overall Size	Capacity
RM6	595 x 445mm	9.082 litres
T2	brackets in aluminium with supporting strap to keep washbasin hard against bulkhead.	
62614	1/2in Avon hot and cold self-closing non- concussive pillar taps, inlets for 15mm copper.	
70007N1	1 1/4in plug and chain waste. Fittings chromium plated	

#### Extras and Alternatives

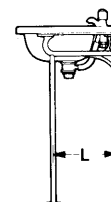
T2	brackets in aluminium with supporting strap to keep washbasin 38mm clear of bulkhead
T1	brackets and legs to deck in aluminium to keep washbasin hard against bulkhead — see inset
T1	brackets and legs to deck in aluminium to keep washbasin 38mm clear of bulkhead
	Screwdown taps — see end of section
	Tap inlets reduced for 12mm or 8mm copper — see reducing sets in couplings section.

03965-81 Washbasin with one centre taphole

Approximate dimensions in millimetres



Detail of overflow fixture



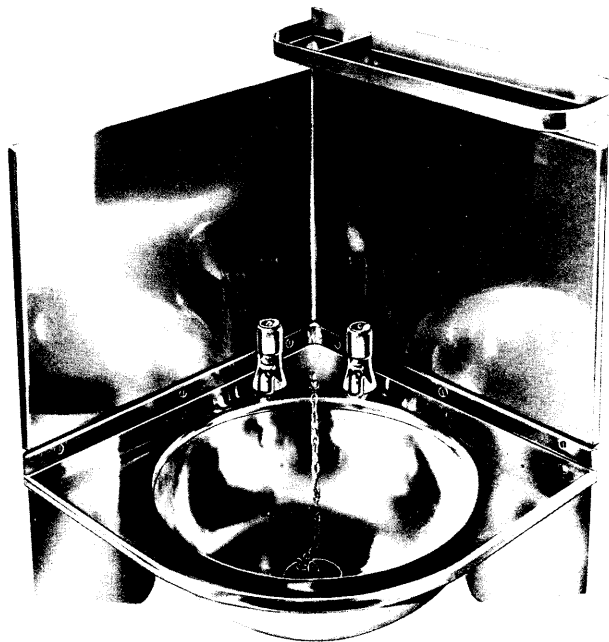
Brackets and legs

A	B	C	D	E	F	G	H	J	K	L	M
595	445	785	480	305	205	210	60	530	690	280	555



## WASHBASINS

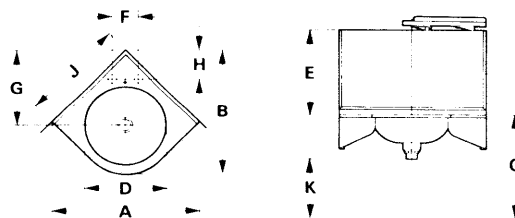
### ADMIRALTY PATTERN



#### K-4003

- Plate 75X4** washbasin comprising
- 463-3923 admiralty pattern angle washbasin in stainless steel with 355mm dia. bowl, two tapholes, overflow, chainstay hole.
  - Sizes**
    - 635mm corner to corner
    - 560mm corner to front
    - 450mm each side
  - Capacity**
    - 7 litres
  - 463-3925 admiralty pattern left hand bracket in stainless steel with bolt fixing.
  - 463-3926 admiralty pattern right hand bracket in stainless steel with bolt fixing.
  - 463-3924 admiralty pattern one piece splashback 380mm high in stainless steel.
  - 463-3927 admiralty pattern soap tray in stainless steel.
  - 70007N1 1½"ain plug and chain waste. chromium plated, fitted to washbasin.

Approximate dimensions in millimetres

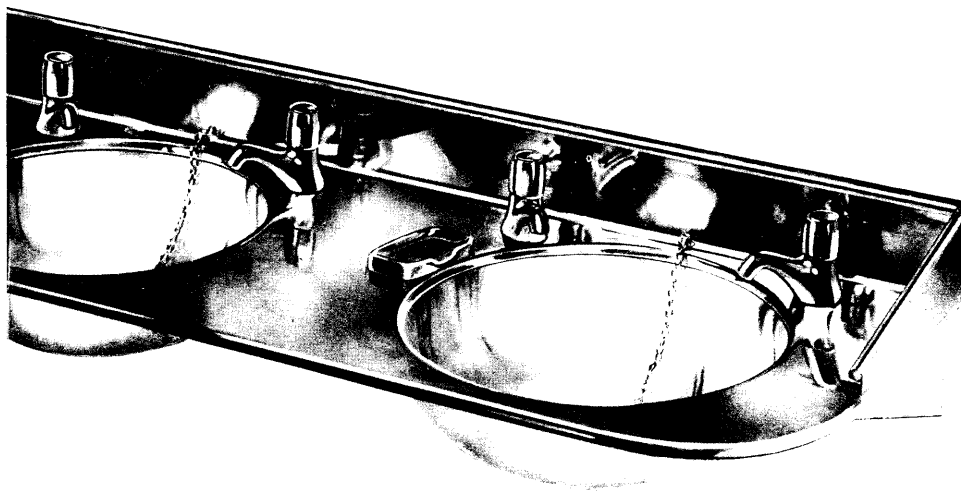


A	B	C	D	E	F	G	H	J	K
635	560	785	355	380	115	325	115	450	590



# W.J. KEATING LIMITED

## WASHBASIN RANGE



**K-4002**

Supplied only in range form with washbasins at 560mm centres, having 405mm projection, these washbasins have an individual capacity of 9 litres which meets the British Department of Trade requirements for crew accommodation in UK registered ships.

For single washbasin see Plate 78X11 lfo pattern

**Plate 60X87** washbasin range comprising

9842 washbasins in stainless steel, 355mm dia. bowl, no overflow, with soapdish, two tapholes, chainstay hole.

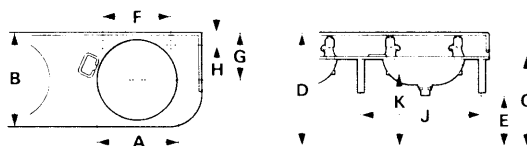
Quantity	Overall Size	Individual Capacity
Range of 2	1120 x 405mm	9 litres
Range of 3	1680 x 405mm	9 litres
Range of 4	2240 x 405mm	9 litres
9844	brackets in stainless steel with bolt fixing.	
62614	1/2in Avon hot and cold self-closing non-concussive pillar taps, inlets for 15mm copper.	
9253	1 1/4in plug and chain waste	
	Fittings chromium plated.	

Taps and wastes are fitted to washbasin range before despatch

### Extras and Alternatives

Washbasin may be supplied with integral stainless steel overflow channel and 1 1/4in plug and chain waste — Capacity reduced to 7 litres.  
Screwdown taps — see end of section  
Traps — see end of section  
Tap inlets reduced for 12mm or 8mm copper — see reducing sets in couplings section.

Approximate dimensions in millimetres

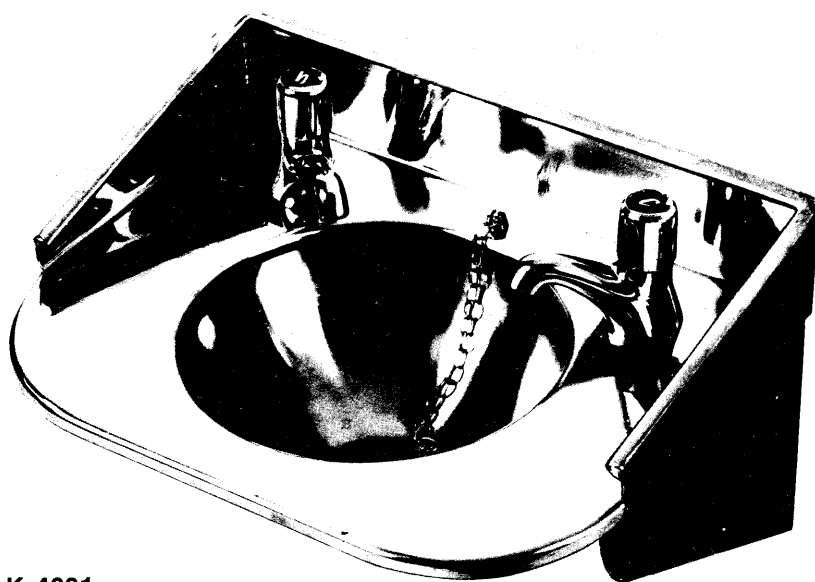


A	B	C	D	E	F	G	H	J	K
355	405	785	890	620	305	205	50	525	720



# W.J. KEATING LIMITED

## SPACE SAVER



**K-4001**

**Plate 78X3** washbasin comprising  
9842 washbasin in stainless steel, with 230mm dia. bowl, two tapholes, no overflow, with chainstay hole.

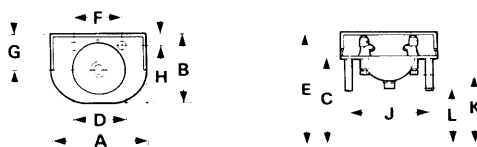
Catalogue No.	Overall Size	Capacity
9842	405 x 305mm	2.7 litres
9844	brackets in stainless steel with bolt fixing	
62614	1/2in Avon hot and cold self-closing non-concussive pillar taps, inlets for 15mm copper	
9253	1 1/4in plug and chain waste Fittings chromium plated	

Taps and waste are fitted to washbasin before despatch  
Overall sizes may be modified to suit requirements

### Extras and Alternatives

Screwdown taps — see end of section  
Traps — see end of section  
Tap inlets reduced for 12mm or 8mm copper — see reducing sets in couplings section

Approximate dimensions in millimetres



A	B	C	D	E	F	G	H	J	K	L
405	305	785	230	890	205	150	50	345	720	650



## TOILETS

### KYLE

Back outlet S trap, right hand access cap.  
Not made with left hand access cap.

This Kyle toilet has no non-return valve. An access cap at the top of the trap is provided. The water seal is 51 mm deep. Suitable for sewage system use or direct discharge from higher decks.

**Plate 80X3** toilet set comprising

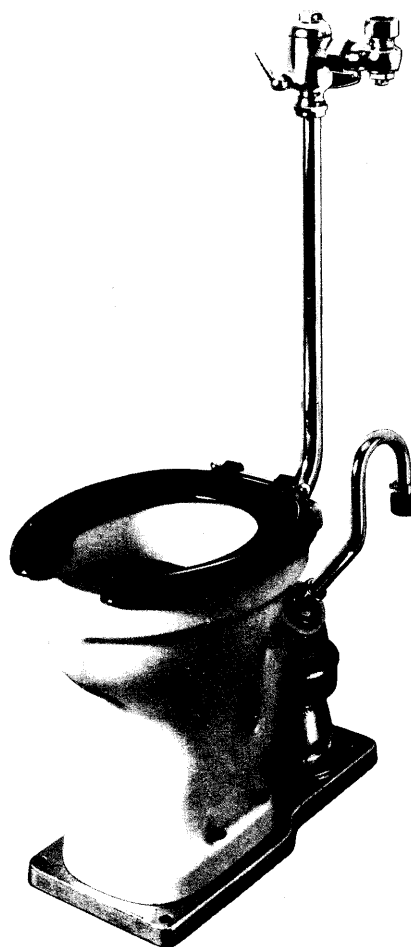
- 55X97 Kyle toilet in white vitreous china, back outlet S trap
- 4559A-3 access cap fitted with straight boiler coupling and
- 26529-5 22mm pipe, jubilee clip and plastic anti-siphon valve
- 3071-3A outlet in galvanized iron
- 3610-1C soleplate in galvanized iron
- 34484-2 Fixus inlet joint for 35mm pipe
- 52X96 seat, open front, black plastic
- 9441 1½in Solway flushvalve, bulkhead flange, outlet with slip joint connection for 35mm pipe, inlet with right angle stopcock.
- 9873 35mm copper or white plastic flushbend
- 16314-29 807 x 127mm with plain ends. Fittings chromium plated.

**Extras and Alternatives**

- See end of section for Connections for Solway flushvalve stopcock
- 75X6 Modus flushvalve and stopcock
- Seats and lids
- Toilet inlet connections

**Iron Spare Part Ref. Nos.**

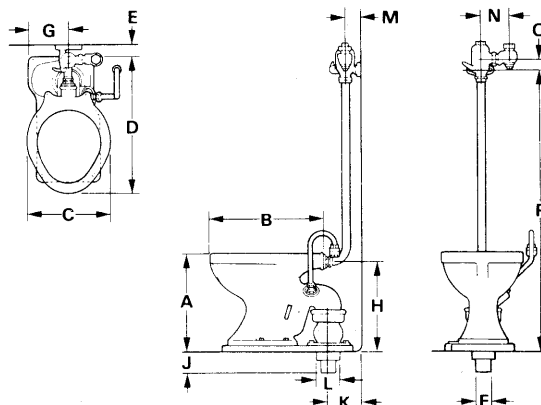
- Outlet - 3071-3A (pattern B3B33-1)
- Soleplate - 3610-1C (pattern B5A66)



**K-4004**

Approximate sizes in millimetres

A	B	C	D	E	F	G	H	J	K	L	M
430	465	345	590	65	65	160	395	105	165	100	55
N	P	Q									
130	1220	45									



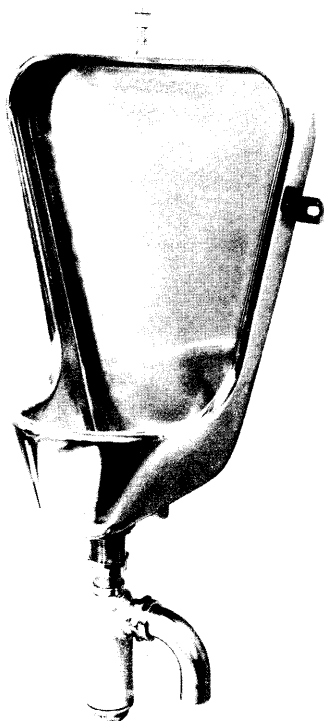


# W.J. KEATING LIMITED

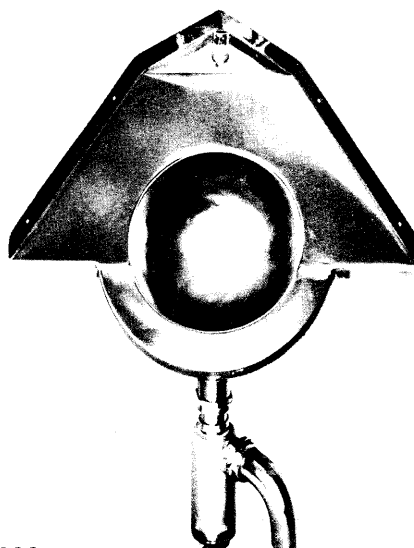
## URINALS

### ADMIRALTY PATTERNS

Manufactured against demand only.



**K-4005**



**K-4006**

Ministry of Defence (N) No. 856-345801

- Plate 72X22-1** bulkhead mounted urinal comprising
- 70X35 flat back urinal in stainless steel with lugs for screwing to bulkhead
  - 16401-6 inlet nipple and stainless steel tube for 15mm copper
  - 4939 1 1/4in outlet with domed grating
  - 0712-2G 1 1/4in gunmetal trap, 76mm seal, outlet with slip joint connection for 35mm pipe and
  - 26449-14 35mm bent tail for brazing
- Fittings, including trap, chromium plated

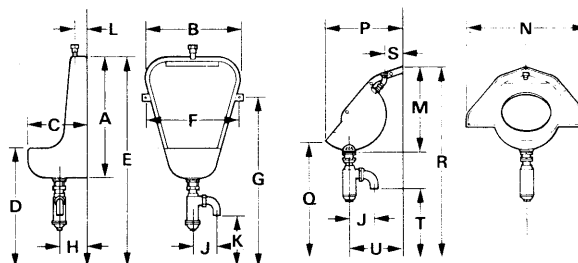
#### Extras and Alternatives

- 5652 chromium plated handrail with brackets at 229mm centres
- Stopcocks and cistern - see end of section

Ministry of Defence (N) No. 856-409437

- Plate 70X36-1** bulkhead mounted urinal comprising
- 70X36 angle urinal in stainless steel for screwing to bulkhead
  - 64487-1 inlet connection for 15mm copper
  - 4939 1 1/4in outlet with domed grating
  - 0712-2G 1 1/4in gunmetal trap, 76mm seal, outlet with slip joint connection for 35mm pipe and
  - 26449-14 35mm bent tail for brazing
- Fittings, including trap, chromium plated.

A	B	C	D	E	F	G	H	J	K	L	M
535	405	255	610	1010	390	830	115	100	325	55	370
N	P	Q	R	S	T	U					
510	330	610	940	55	420	230					



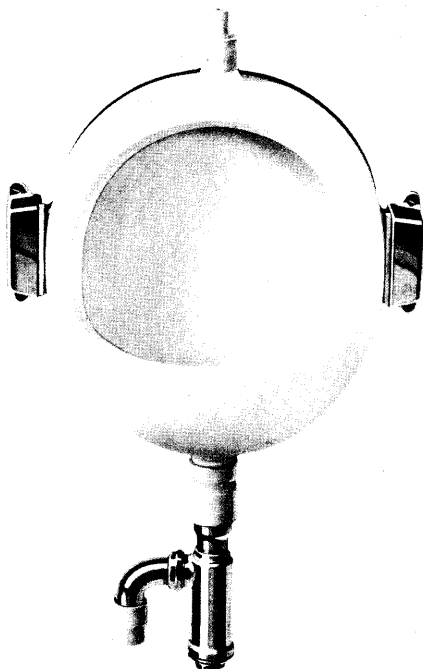
Approximate dimensions in millimetres



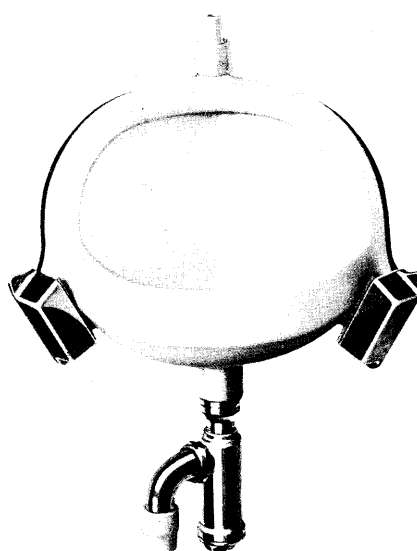
## URINALS

### ADMIRALTY PATTERNS

Shockproof urinals with cushioning pads and rubber sleeves — intended mainly for naval vessels.



**K-4007**



**K-4008**

For ships where shockproof precautions are not necessary omit parts 7634-1, 9103-1, 9101-2, 9100-3, 9100-4.

Ministry of Defence (N) No. 923-4061 for china urinal only

- Plate 72X19** bulkhead mounted urinal comprising
- 8836 flat back urinal in white vitreous china with lugs for screwing to bulkhead
  - 9108-14 stepped rubber inlet sleeve for 15mm copper
  - 7634-1 chromium plated fixing clip with
  - 9103-1 rubber internal lining
  - 9101-2 rubber cushioning back bulkhead pad
  - 9084-6 parallel rubber outlet sleeve to fit
  - 8876 1½in gunmetal trap 76mm seal, outlet with slip joint connection for 35mm copper and
  - 26449-14 35mm bent tail plain and
  - 9084-9 parallel rubber sleeve to connect to 35mm copper wastepipe
- Fittings, including trap, chromium plated.  
Note. Jubilee clips for rubber sleeves not supplied.

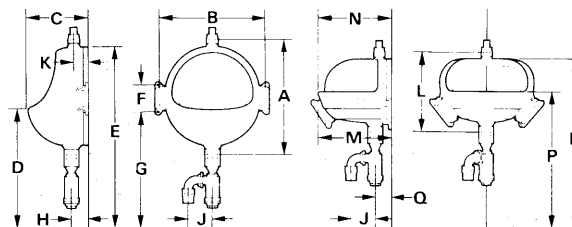
#### Extras and Alternatives

- 5652 chromium plated handrail with brackets at 229mm centres
- Stopcocks and cistern - see end of section
- S9 plastic adapter, plain x 1½in BSP male
- B10 1½in white plastic trap 76mm seal, 90° outlet bend for 35mm pipe.

A	B	C	D	E	F	G	H	J	K	L	M
510	455	250	685	955	125	660	65	95	55	360	305
N	P	Q	R								
305	685	65	840								

Ministry of Defence (N) No. 923-4060 for china urinal only

- Plate 72X20** bulkhead mounted urinal comprising
- 8835 angle urinal in white vitreous china with lugs for screwing to bulkhead
  - 9108-14 stepped rubber inlet sleeve for 15mm copper
  - 7634-1 chromium plated fixing clip with
  - 9103-1 rubber internal lining
  - 9100-3 rubber cushioning side bulkhead pad - left hand
  - 9100-4 rubber cushioning side bulkhead pad - right hand
  - 9108-1 stepped rubber outlet sleeve to fit
  - 8876 1½in gunmetal trap 76mm seal, outlet with slip joint connection for 35mm copper and
  - 26449-14 35mm bent tail plain and
  - 9084-9 parallel rubber sleeve to connect to 35mm copper wastepipe
- Fittings, including trap, chromium plated.  
Note. Jubilee clips for rubber sleeves not supplied.



Approximate dimensions in millimetres





## SOLWAY FLUSHVALVES

For use with salt water

**9441** 1 1/4 in Solway self-closing non-concussive flushvalve in gunmetal for salt water, bulkhead flange, inlet and outlet screwed 1 1/2 in BSP male. Chromium plated.

Flushvalve unit comprising

**9441** 1 1/4 in Solway self-closing non-concussive flushvalve in gunmetal for salt water, bulkhead flange, flushvalve outlet with coupling nut and brass and rubber ring to form slip joint connection with 35mm pipe, inlet with

**9873** right angle screwdriver control stopcock, inlet for 35mm copper. Chromium plated.

Inlet of stopcock may also be supplied

1. With compression nut and ring for 28mm copper
2. Screwed 1 1/4 in BSP female
3. Screwed 1 in BSP female

**9628** 1 1/4 in Solway self-closing non-concussive flushvalve in gunmetal for salt water, for fixing behind bulkhead, bulkhead flange, inlet and outlet screwed 1 1/2 in BSP male. Exposed parts chromium plated.

In the case of 9441 and 9628 valves the bulkhead flange and the operating lever are interchangeable so that the inlet may be at right or left hand facing as required.

### Operation

The small lever which operates the valve requires very little effort to start the flush which is almost instantaneous.

### Positive in Action

The Solway does not depend on water pressure to lift the valve off its seating, as the operating lever is in direct contact with the spindle and controls the lifting of the valve.

### Water Waste Preventer

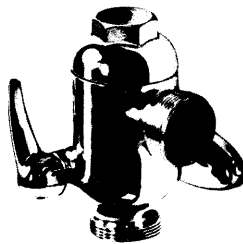
The Solway prevents undue waste of water, but ensures that the flush can be prolonged if required by merely keeping the operating lever pressed. Waste of water is prevented by the valve starting to close on seating immediately the operating lever is released.

### Water Pressures

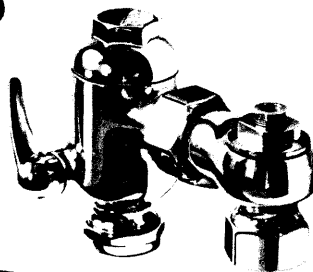
The Solway will give a satisfactory flush on any maintained pressure between 5lbs and 60lbs per square inch.

### Important Note

The small bypass hole in the piston assembly must be kept clear and not allowed to become clogged.



9441



9441 & 9873



9628

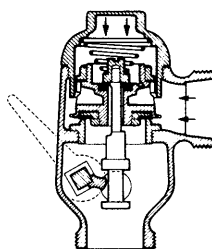


Fig. 1

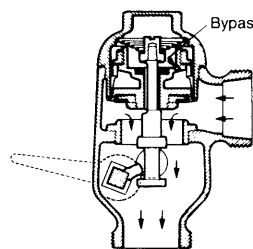


Fig. 2

Fig. 1 shows release and main valve at rest. Arrows indicate water on pressure side of valve and direction of pressure holding valves tight on their seatings.

Fig. 2 shows release valve also main valve off seating in open position. Arrows indicate direction of flow to outlet of valve.

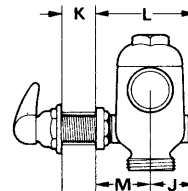
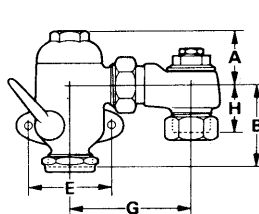
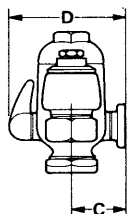
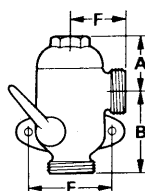
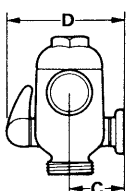
Approximate dimensions in millimetres

A	B	C	D	E	F	G	H	J	K
60	86	57	130	89	64	130	44	48	13min 38max
L				M					
105min 130max				57min 83max					

### Special application

Manufactured against demand only

Certain types of ships' sewage systems have a treatment cycle which requires the Solway flushvalves shown to be made with a special Neoprene cup washer for use with recirculated effluent treated with caustic soda. If so required, the flushvalves are supplied with an identifying label to that effect.





## SOLWAY FLUSHVALVE

For use with fresh water

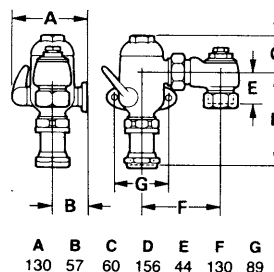
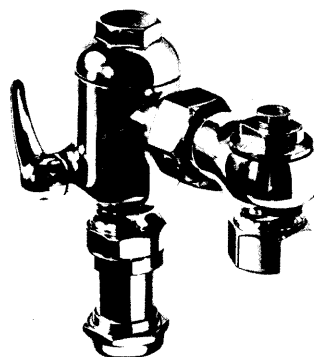
Flushvalve unit comprising

- 9441 1½in Solway self-closing non-concussive flushvalve for fresh water, bulkhead flange, outlet with
- V500A vacuum breaker to prevent back siphonage, outlet with coupling nut, locating ring and brass and rubber ring to form slip joint connection with 35mm pipe, inlet with
- 9873 right angle screwdriver control stopcock, inlet for 35mm copper. Chromium plated.

Inlet of stopcock may also be supplied

1. With compression nut and ring for 28mm copper
2. Screwed 1½in BSP female
3. Screwed 1in BSP female

The bulkhead flange and the operating lever are interchangeable so that the inlet may be at right or left hand side facing as required.



### Connections for flushvalve outlet

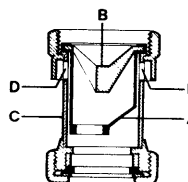
- 6090-13 rubber ring
- 6044-32 brass ring
- 6011-168A chromium plated coupling nut screwed 1½in BSP female  
To form slip joint connection with 35mm pipe
- 6011-259 chromium plated coupling nut to suit 32mm copper
- Flushbend
- 16314-29A L shaped 35mm flushbend, one leg 807mm, other leg 127mm, plain ends. Chromium plated copper or white plastic
- Alternative flushbend
- 16314-31 L shaped 35mm flushbend, one leg 832mm, other leg 178mm, plain ends. Chromium plated copper or white plastic.



6090-13  
6044-32  
6011-168A



6011-259



V500A



16314-29A

### V500A Vacuum Breaker Operation

Flexible rubber cup A has three slots through bottom which open under flow pressure. In the event of back siphonage, cup will collapse against cone B, closing off the three outlet slots D and allowing air to be drawn into outlet tube C through slots D at top.

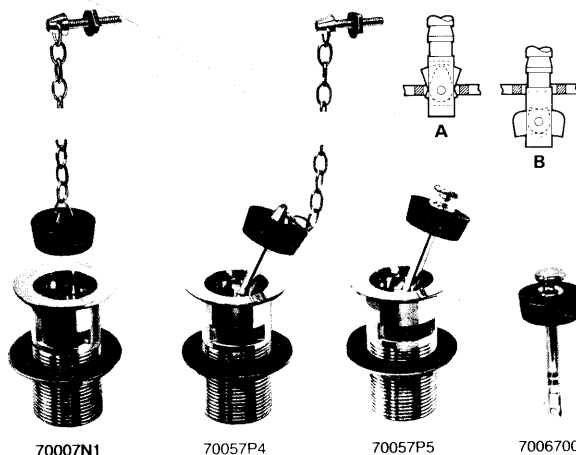


## WASTES & TRAPS

### WASTES

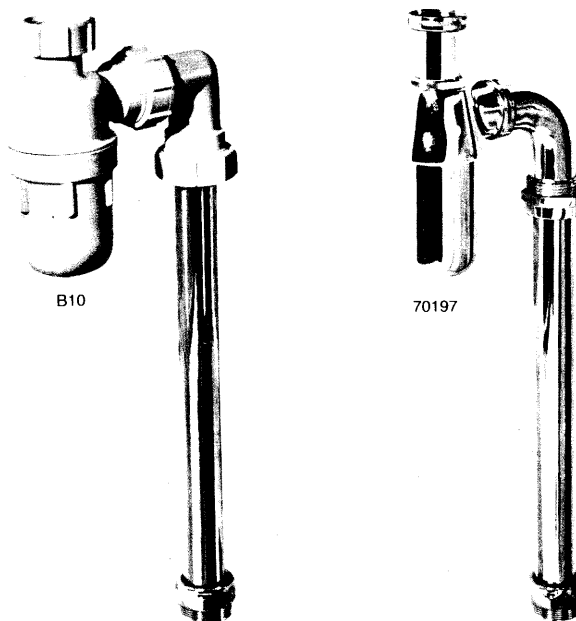
- 70007N1 1 1/4in plug and chain waste, overflow slot, outlet screwed in 1 1/4in BSP male. Chromium plated.
- 70057P4 1 1/4in anti-theft waste, overflow slot, plug with spindle, chain and chainstay, outlet screwed 1 1/4in BSP male. Chromium plated.
- 70057P5 1 1/4in anti-theft waste, overflow slot, plug with spindle and grip knob, outlet screwed 1 1/4in BSP male. Chromium plated.
- 7006700 Anti-theft rubber plug with chromium plated spindle and grip knob.

Diagrams A and B show how the hinged parts fall apart after insertion of the spindle thereby preventing withdrawal of the plug assembly.



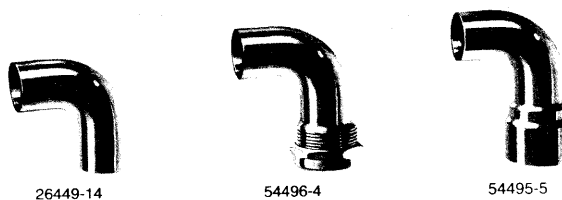
### TRAPS AND CONNECTIONS

- B10 1 1/4in white plastic bottle trap, 76mm seal, 90° multifit outlet bend for 35mm copper.
- CTRM6 straight 35mm copper discharge pipe, 460mm long. Chromium plated or natural finish.
- Slip joint connection comprising coupling nut screwed 1 1/2in BSP female
- 6011-168 brass ring
- 6044-32 rubber ring
- 6090-13 Steel deck connection by shipbuilder.
- 70197 1 1/4in bottle trap, 76mm seal, outlet with bent tail with ruff with nut and ring for 35mm copper. Chromium plated.
- 54496-4 Straight 35mm copper discharge pipe 460mm long. Chromium plated or natural finish.
- Slip joint connection comprising coupling nut screwed 1 1/2in BSP female
- 6011-168 brass ring
- 6044-32 rubber ring
- 6090-13 Steel deck connection by shipbuilder



### OUTLET TAILS FOR TRAPS

- 26449-14 35mm bent tail for brazing. Chromium plated or natural finish
- 54496-4 35mm bent tail with ruff with nut and ring for 35mm copper. Chromium plated.
- 54495-5 35mm bent tail bossed and screwed 1 1/4in BSP female. Chromium plated.





## TAPS

All tap inlets are fitted with compression nut and ring for either 15mm, 12mm or 8mm copper. Please state size required

6411W 1/2in Nuastyle monobloc mixer, inlet piping with couplings for 15mm copper, 1 1/4in pop up waste. Chromium plated.

78X15 1/2in Petita hot and cold single stalk tap, inlet piping with couplings for 15mm copper, 1 1/4in pop up waste. Chromium plated.

72X36 1/2in hot and cold single stalk tap, inlet piping with couplings for 15mm copper, 1 1/4in plug and chain waste. Chromium plated

64054 1/2in Nuastyle hot and cold screwdown side taps, inlets for 15mm copper, nozzle and 1 1/4in pop up waste. Chromium plated

64064 1/2in Nuastyle hot and cold screwdown side taps, inlets for 15mm copper, nozzle and 1 1/4in plug and chain waste. Chromium plated.

62614 1/2in Avon self closing non-concussive pillar tap, inlet for 15mm copper. Chromium plated. For hot or cold fresh water. Nose of the tap is 25mm above flood level rim of washbasin.

64044 1/2in Nuastyle screwdown pillar tap, inlet for 15mm copper. Chromium plated. For hot or cold fresh water.

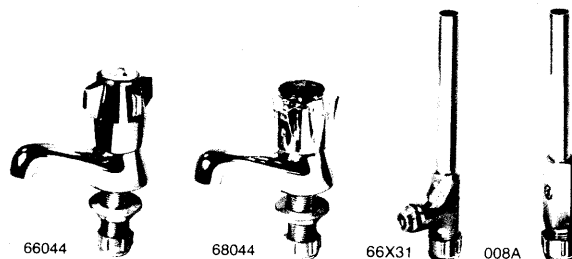
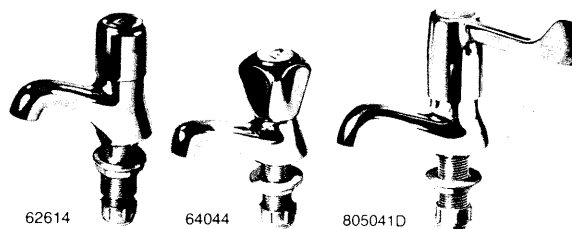
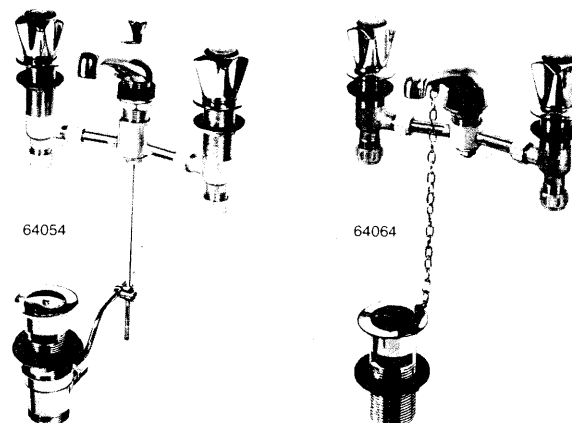
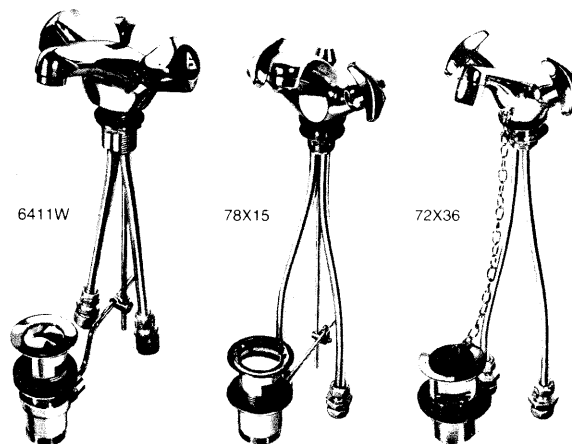
805041D 1/2in Marwik screwdown pillar tap with wrist action lever, inlet for 15mm copper. Chromium plated. For hot or cold fresh water.

66044 1/2in Nimbus screwdown pillar tap, inlet for 15mm copper. Chromium plated. For hot or cold fresh water.

68044 1/2in Sheerline screwdown pillar tap, inlet for 15mm copper. Chromium plated. For hot or cold fresh water.

66X31 1/2in screwdriver control stopcock, outlet plain 15mm copper, inlet for either 15mm, 12mm or 8mm copper. Chromium plated.

008A 1/2in Ballofix screwdriver control stopcock, outlet plain 15mm copper, inlet for either 15mm, 12mm or 8mm copper. Chromium plated.

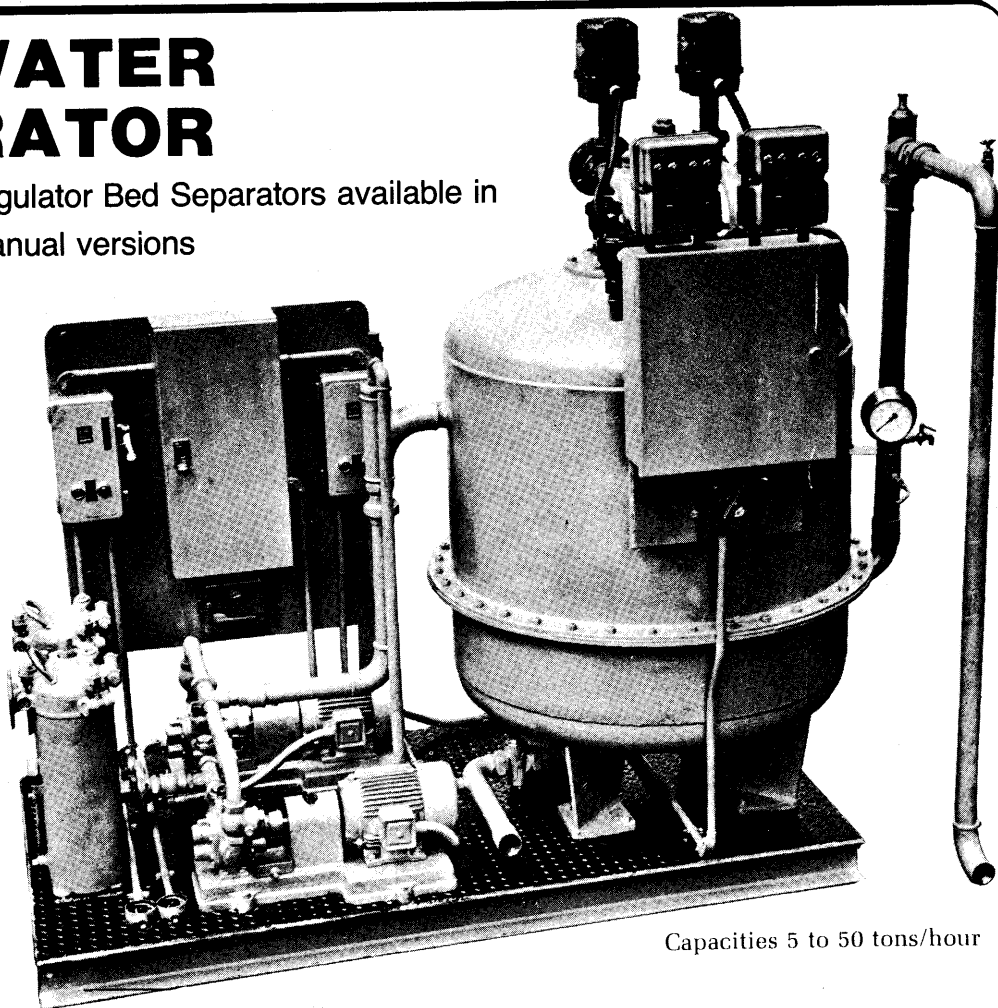




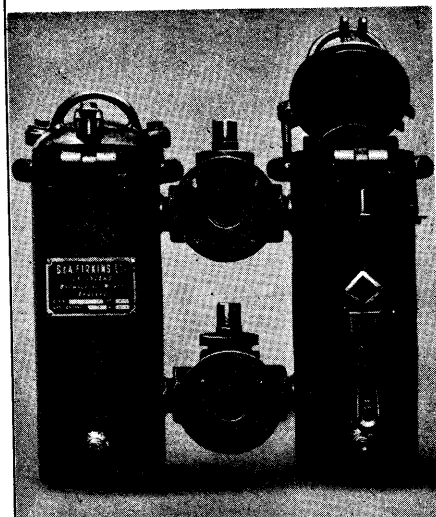
**W.J. KEATING LIMITED**

## OILY WATER SEPARATOR

Three Stage Coagulator Bed Separators available in automatic and manual versions

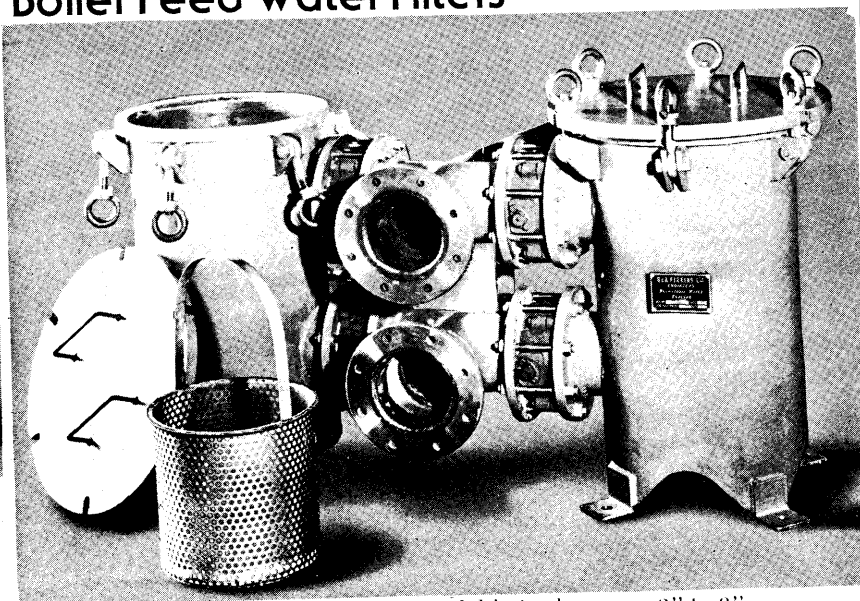


Capacities 5 to 50 tons/hour



Standard medium pressure Duplex Filter available from 1" to 4" connections flanged or screwed.

## Boiler Feed Water Filters



Large 'Duplex' Filter. Available in the range 2" to 8" and from 125 to 600 lb. rating as standard, other sizes and ratings to order.