Anti-Syphon Traps (Silentraps)

General

- By drawing air through the valve, the Silentrap neutralises syphonic pressure before it reaches the seal of the trap and therefore provides the equivalent of a ventilated system without the installation of costly and unsightly ventilation pipes
- The Silentrap has been most rigorously tested and will not unseal, even under the most abnormal conditions
- The Silentrap should continue to be effective irrespective of the distance between the appliance and the soil pipe

Operation

Whenever syphonic conditions develop, the negative pressure causes the valve to rise, allowing air to be drawn into the discharge pipe. The pressure is thereby neutralised before it can have any effect on the water seal within the trap. On cessation of the syphonic action, the valve closes, making the Silentrap air and watertight.

Advantages

- The major advantage of the Silentrap over Resealing Traps is that because the air is drawn through the valve and not through the water seal, gurgling is eliminated and a much quieter discharge is ensured
- Eliminates the need for secondary ventilation
- Silentrap valves are available on a wide range of Bottle, Tubular and Bath Traps
- Silentraps allow for greater flexibility in plumbing design
- The products below simply show that the Silentrap attachment is available on Bottle, Tubular and Bath Traps. Popular Anti-Syphon Traps are shown throughout this catalogue. All traps marked* are available as Anti-Syphon (Silentrap). Add suffix ‘V’ to code

A report of a special investigation by the Building Research Establishment on the performance of these traps under discharge and syphonic conditions is available on request
Resealing Bottle Traps

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 bypass 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>A10R</td>
<td>C10R</td>
</tr>
</tbody>
</table>

Resealing Shower Trap

Code STW4-RB

- Full range of Resealing Shower Traps see pages 26-28

Bends are available for converting ‘P’ traps to ‘S’ traps see page 6
## Bottle Traps with 75mm Water Seal

<table>
<thead>
<tr>
<th>Code</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>A10</td>
<td>C10</td>
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</tbody>
</table>

### Standard

<table>
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<tr>
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<th>Code</th>
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</thead>
<tbody>
<tr>
<td>AA10</td>
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</tbody>
</table>

### Adjustable Inlet Basin Trap with centre pin waste

<table>
<thead>
<tr>
<th>Code</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA10W</td>
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### 50mm Water Seal

<table>
<thead>
<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>E10</td>
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</table>

### 38mm Water Seal

<table>
<thead>
<tr>
<th>Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>S1M</td>
<td>T1M</td>
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</tbody>
</table>

### Conversion Bend to convert bottle ‘P’ trap to ‘S’ trap

<table>
<thead>
<tr>
<th>Code</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>G10</td>
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</tbody>
</table>
Chrome Plated Bottle Traps

<table>
<thead>
<tr>
<th>Code</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>A10AR-CP</td>
<td>C10AR-CP</td>
</tr>
<tr>
<td>A10AV-SV</td>
<td>C10AV-SV</td>
</tr>
</tbody>
</table>

Anti-Syphon (Silentrap) incorporating a Silicone Valve

- The silicone valve prevents back pressure
- The Silentrap valve ensures retention of the water seal under extreme working conditions and eliminates the need for secondary ventilation
- The Silentrap valve reduces noise (gurgling) during discharge
- The silicone valve prevents foul odour or sewer gas entering the building if the water seal has evaporated which may occur due to lack of use through under occupancy
- Removable cup to facilitate easy cleaning
- Interchangeable with existing McAlpine traps

Anti-Syphon (Silentrap) Adjustable Inlet with Non-Return Valve

<table>
<thead>
<tr>
<th>Code</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>A10AV-SV</td>
<td>C10AV-SV</td>
</tr>
</tbody>
</table>
### Chrome Plated Basin Traps, Pipe and Wall Flange

- All kits except TA32UK-CB and TA32VUK-CB supplied with MS4-32SOLVENT fitting as illustrated.
- For additional fittings see pages 54 and 61
- For Chrome Plated Brass Waste Pipe and Fittings see pages 60 and 61

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/4&quot; x 50mm Water Seal Brass Adjustable Inlet Cylindrical Bottle Trap with 12&quot; length of 32mm OD CP brass waste pipe and wall flange</td>
<td>CA32MINI-CB</td>
</tr>
<tr>
<td>1 1/4&quot; x 75mm Water Seal Brass Adjustable Inlet Cylindrical Bottle Trap with 16&quot; length of 32mm OD CP brass waste pipe and wall flange</td>
<td>CA32UK-CB</td>
</tr>
<tr>
<td>1 1/4&quot; x 50mm Water Seal Plastic Adjustable Inlet Tubular Anti-Syphon Trap (Silenttrap) with 12&quot; length of 32mm OD CP brass waste pipe and wall flange</td>
<td>TA32VUK-CB</td>
</tr>
<tr>
<td>1 1/4&quot; x 75mm Water Seal Plastic Adjustable Inlet Bottle Trap with 16&quot; length of 32mm OD CP brass waste pipe and wall flange</td>
<td>A32UK-CP</td>
</tr>
<tr>
<td>1 1/4&quot; x 50mm Water Seal Brass Adjustable Inlet Square Bottle Trap with 12&quot; length of 32mm OD CP brass waste pipe and wall flange</td>
<td>CA32SQUK-CB</td>
</tr>
<tr>
<td>1 1/4&quot; x 75mm Water Seal Brass Adjustable Inlet Bottle Trap with 16&quot; length of 32mm OD CP brass waste pipe and wall flange</td>
<td>A32UK-CB</td>
</tr>
</tbody>
</table>
MacValve Self-Closing Waste Valve  
Patent Pending  
SECTION 1

- Can be fitted in horizontal or vertical position
- MacValve membrane opens under water pressure to allow discharge to flow freely and then closes to form a seal to prevent foul odour or sewer gas entering the building
- MacValve can be fitted in installations where a non-return valve can be of benefit to the plumbing installation
- MacValve can be used to take the discharge from a pressure relief valve on an unvented domestic hot water storage system. Please refer to guidance notes in approved Document G3 of the Building Regulations

MacValve 1\(\frac{3}{4}\)" BSP female inlet nut x 1\(\frac{3}{4}\)" universal compression outlet  
Code  MACVALVE-1

MacValve 1\(\frac{1}{2}\)" BSP female inlet nut x 1\(\frac{1}{2}\)" universal compression outlet  
Code  MACVALVE-2

MacValve 2" universal compression outlet x 2" universal compression outlet  
Code  MACVALVE-4

90° Bend 1\(\frac{3}{4}\)" female inlet nut x 1\(\frac{3}{4}\)" BSP male connector  
S4U*

90° Bend 1\(\frac{1}{2}\)" female inlet nut x 1\(\frac{1}{2}\)" BSP male connector  
T4U*

Straight Connector 1\(\frac{3}{4}\)" BSP male thread x 1\(\frac{3}{4}\)" universal compression connection  
S31U*

Straight Connector 1\(\frac{1}{2}\)" BSP male thread x 1\(\frac{1}{2}\)" universal compression connection  
T31U*

1\(\frac{1}{2}\)" Space Saver MacValve Inlet  
SSINLET1

1\(\frac{3}{4}\)" Space Saver MacValve Inlet  
SSINLET2

* S4U, T4U, S31U AND T31U FITTINGS ONLY SUITABLE FOR USE WITH MACVALVE

Do not pour drain cleaner down these products
Wash Hand Basin Space Saver with Self-Closing Waste Valve

- Designed to allow full use of storage space below the basin within the cabinet or furniture
- The internal membrane opens under water pressure to allow discharge to flow freely and then closes to form a seal to prevent foul odour or sewer gas entering the building
- The valve allows air to be drawn into the discharge waste pipe when negative pressures occur and eliminates the need for secondary ventilation to the discharge pipework. This allows for greater flexibility in the plumbing design
- The valve can be easily cleaned without having to disassemble the discharge pipework. Simply remove the split pin at the front of the valve, take out the plug and membrane and clean in hot soapy water. Reassemble and relocate the split pin in the slot provided
- The WHB self-cleaning waste valve having no water seal can never dry out through evaporation or lack of use of the basin as the membrane seal remains closed
- Overall height 62mm
- Do not pour drain cleaner down this product

1 1/4” BSP female inlet nut x 1 1/4” universal compression outlet

Code WHB-1

Tubular Traps with 75mm Water Seal

<table>
<thead>
<tr>
<th>1 1/4”</th>
<th>1 1/2”</th>
<th>2”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code</td>
<td>Code</td>
<td>Code</td>
</tr>
<tr>
<td>Swivel ‘P’</td>
<td>SA10</td>
<td>SC10</td>
</tr>
<tr>
<td>Anti-Syphon (Silentrap)</td>
<td>SA10V</td>
<td>SC10V</td>
</tr>
<tr>
<td>Adjustable Inlet</td>
<td>ASA10</td>
<td>ASC10</td>
</tr>
<tr>
<td>Adjustable Inlet Anti-Syphon (Silentrap)</td>
<td>ASA10V</td>
<td>ASC10V</td>
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</table>

62mm
### Tubular Traps with 75mm Water Seal

<table>
<thead>
<tr>
<th>Code</th>
<th>1¼&quot;</th>
<th>1½&quot;</th>
<th>2&quot;</th>
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<tbody>
<tr>
<td>ASA10W*</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>BT3*</td>
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<td>-</td>
<td>-</td>
</tr>
<tr>
<td>BT4</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>ASA10-SP* ASC10-SP*</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>SB10</td>
<td>SD10</td>
<td>SF10</td>
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<td>SP10</td>
<td>TP10</td>
<td>ZP10</td>
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</tr>
<tr>
<td>SP10V</td>
<td>TP10V</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>SR10*</td>
<td>TR10*</td>
<td>SG10*</td>
<td></td>
</tr>
<tr>
<td>SS10</td>
<td>TS10</td>
<td>SH10</td>
<td></td>
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</tbody>
</table>

**Adjustable Inlet Basin Trap** with centre pin waste

**Low Inlet**

**50mm Water Seal**

**Adjustable Inlet** with connection for 19/23mm pipe

**Swivel ‘S’**

**All One**

**All One Anti-Syphon (Silentrap)**

**Running ‘P’**

**Running ‘S’**

**Offset Basin Trap** with adjustable inlet and cleaning eye

**Offset Anti-Syphon (Silentrap) Basin Trap** with adjustable inlet and removable anti-syphon valve for cleaning purposes

**Straight Through** with one cleaning eye

**Straight Through Anti-Syphon (Silentrap) with one cleaning eye**

**Straight Through** with two cleaning eyes

---

**MacValve Self-Closing Waste Valve**

**SECTION 1**

**Running** suitable for most waste disposal units

- TT10*

**Running** with 20mm water seal

- TRSH10*

**Adjustable Inlet** with 19mm water seal

- BT1 BT2

**1¼”**

**Code**

**Running** with 20mm water seal

**Offset Basin Trap** with adjustable inlet and cleaning eye

**Offset Anti-Syphon (Silentrap) Basin Trap** with adjustable inlet and removable anti-syphon valve for cleaning purposes

**Straight Through** with one cleaning eye

1¼" Inlet x 1¼" outlet X10

**Straight Through Anti-Syphon (Silentrap) with one cleaning eye**

1¼" Inlet x 1¼" outlet X10V

**Straight Through** with two cleaning eyes

1¼" Inlet x 1½" outlet X10A

1¼" Inlet x 1½" outlet Y10
Domestic Appliance Traps 1½" x 75mm Water Seal

General

- Domestic Appliance Traps provide the facility to accept the discharge from a washing and/or dishwashing machine(s) and are suitable for new and existing installations
- In all cases a blank cap, plug or blank nozzle is provided with the trap. Should the domestic appliance not be connected at the time of installation, the trap will function as a normal sink trap whilst providing an easily accessible point for the future installation of any appliance(s)

Sink Traps with connection for the discharge from domestic appliance(s)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>WM1*</td>
<td>With Adjustable Inlet</td>
</tr>
<tr>
<td>WM2</td>
<td>With Adjustable Inlet</td>
</tr>
<tr>
<td>WM2V</td>
<td>With Adjustable Inlet</td>
</tr>
<tr>
<td>WM14*</td>
<td>With Adjustable Inlet</td>
</tr>
</tbody>
</table>

With Adjustable Inlet

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WM11*</td>
<td>Twin Connector for plumbing two domestic appliance discharge hoses into standpipe trap</td>
</tr>
<tr>
<td>WM12*</td>
<td>Twin Connector for plumbing two domestic appliance discharge hoses into standpipe trap</td>
</tr>
<tr>
<td>WM15*</td>
<td>Twin Connector for plumbing two domestic appliance discharge hoses into standpipe trap</td>
</tr>
<tr>
<td>ASC10-CO*</td>
<td>Standpipe Cap with retaining clip</td>
</tr>
</tbody>
</table>

Standpipe Trap and Fittings

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>V33WM</td>
<td>Multifit outlet to suit either 1½&quot; or 40mm diameter standpipe</td>
</tr>
<tr>
<td>WM3-CAP</td>
<td>135° swivel nozzles for washing and/or dishwashing machine discharge hoses - supplied with blanking plugs</td>
</tr>
<tr>
<td>WM3*</td>
<td>Discharge hose(s) to be taken to the height stated by the appliance manufacturer(s)</td>
</tr>
<tr>
<td></td>
<td>An air break, as specified by appliance manufacturers is incorporated within the connector</td>
</tr>
</tbody>
</table>

All traps marked* available as anti-syphon (Silentrap). Add suffix 'V' to code. See page 4 for technical details.
**Sink Trap with TeeVent**

- The TeeVent system, which incorporates a non-return valve, provides an air break and enables the waste system to be sealed. This system has the advantage over a standpipe arrangement in that should a blockage occur, the non-return valve prevents flooding.
- TV1 can be used with domestic appliance trap WM4.
- All domestic appliance traps must be fitted in accordance with the fixing instruction leaflet included with each trap.

---

**Accessories**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>WMF3</td>
<td>Straight Nozzle for connection to 1½” Multifit</td>
<td>Code WMF3</td>
</tr>
<tr>
<td>WMF4</td>
<td>90° Nozzle for connection to 1½” Multifit</td>
<td>1½” x 1½” x ¾”</td>
</tr>
<tr>
<td>MA15</td>
<td>135° Nozzle for connection to 1” BSP thread</td>
<td>1½” x 1½” x ¾”</td>
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<tr>
<td>228532</td>
<td>Blanking Plug for traps and fittings</td>
<td></td>
</tr>
</tbody>
</table>

**TV1**

Code WM4*

**Swept Tee**

BSP nut x BSP thread x nozzle for discharge hose of domestic appliance

<table>
<thead>
<tr>
<th>Code</th>
<th>Details</th>
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<tbody>
<tr>
<td>V33L</td>
<td>1½” x 1½” x ¾”</td>
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<tr>
<td>V34L</td>
<td>1¼” x 1¼” x ¾”</td>
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</tbody>
</table>

**Tee Piece**

BSP nut x 135° nozzle for discharge hose of domestic appliance

<table>
<thead>
<tr>
<th>Code</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>V33S</td>
<td>1½” x 1½” x ¾”</td>
</tr>
</tbody>
</table>

*All traps marked* available as anti-syphon (Silentrap). Add suffix ‘V’ to code. See page 4 for technical details.

When installing domestic appliance traps, care should be taken to observe the instructions of the manufacturer of the appliance, particularly with regard to the height of the discharge hose and the incorporation of an air break or vent to atmosphere.
Space Saver and Standard Plumbing Kits for Sinks. Plumbing

General
- Space Saver Kits are designed to allow full use of storage space below the sink bowl(s) and are suitable for use with almost all British and European sinks.
- All kits have 1½” inlet connections and the provision for the discharge hose(s) of domestic appliance(s). Also supplied with a 1½” x 75mm water seal tubular swivel ‘P’ trap.
- Each kit is boxed individually and supplied with an illustrative drawing.

Single Bowl Kit
- Code: SSK1

Double Bowl Kit
- Code: SSK2

Three Bowl Kit
- Code: SSK3

1½” Space Saver Trap Inlet
- Code: SSINLET1

1¼” Space Saver Trap Inlet
- Code: SSINLET2

1¼”/1½” Plumbing Kit for adjustable height basin or sink
(supplied with T16 1½”/1¼” trap inlet reducer)
- Code: FLEXKIT1
General

- Standard Kits have the provision for the discharge hose(s) of domestic appliance(s) and are suitable for use with almost all British and European sinks
- All kits have 1½" inlet connections and the provision for the discharge hose(s) of domestic appliance(s). Also supplied with a 1½" x 75mm water seal tubular swivel ‘P’ trap
- Each kit is supplied in a polythene bag complete with an illustrative drawing

Bowl and a Half Kit

| Code | SK1 |

Double Bowl Kit

| Code | SK1A |

Three Bowl Kit

| Code | SK3 |

Blanking Plug(s)

included with all plumbing kits

| Code | 228532 |

Code SK1
Condensate Products for Connecting Condensate Discharge

**Basin and Sink Traps**

- **1 1/4” x 75mm Water Seal Tubular Swivel Basin Trap** with adjustable inlet and connection for 19/23mm pipe. Supplied with blanking cap
  - Code: ASA10-SP*

- **1 1/2” x 75mm Water Seal Tubular Swivel Sink Trap** with adjustable inlet and connection for 19/23mm pipe. Supplied with blanking cap
  - Code: ASC10-SP*

- **1 1/2” x 75mm Water Seal Tubular Swivel Sink Trap** with adjustable inlet, nozzle for discharge hose of domestic appliance and connection for 19/23mm pipe. Supplied with blanking cap
  - Code: ASC10-CO*

- **19/23mm Inlet and Outlet x 75mm Water Seal Offset Trap** to receive discharge from a condensing boiler. Supplied with support clip
  - Code: OBT1-CO

**Flexible Connector from Condensing Boiler to Rigid or Flexible Condensate Discharge Pipe**

- Easy connection to boiler condensate discharge pipe
- Allows for disconnection in freezing conditions for discharge to be redirected into a receptacle
- Universal compression connections suitable for 19/23mm rigid pipe and 25mm flexible pipe

- **200mm Flexible Connector**
  - Code: CONFLEX-200

- **300mm Flexible Connector**
  - Code: CONFLEX-300

**Flexible Condensate Pipe Kit**

- For use in installation of condensing boilers
- Eliminates use of traditional rigid discharge pipe and fittings thereby allowing complete flexibility to discharge point
- Includes fittings to allow for easy connection to sanitary pipework
- Allows for disconnection in freezing conditions for discharge to be redirected into a receptacle
- Particularly useful where installation space is restricted

- **Flexible Condensate Pipe Kit - contents**
  - 1 x 3m length of 25mm flexible pipe
  - 6 x 25mm pipe clips
  - 2 x straight connectors with universal compression connections suitable for 19/23mm rigid pipe and 25mm flexible pipe
  - 1 x 1 1/2” plain tail ABS solvent weld reducer to 19/23mm rigid pipe and 25mm flexible pipe

- Code: CONFLEX-KIT1

---

*All traps marked* available as anti-syphon (Silentrap). Add suffix ‘V’ to code. See page 4 for technical details.
Soakaway - Container for use with limestone chippings. External use only

110mm x 300mm x 1 1/4" / 1 1/2" Pipe top and side Inlet Connections to receive discharge from a condensing boiler. 19/23mm x 1 1/4" fitting provided to increase size of discharge pipe before it passes through the external wall
Code SOAK1GR

Auxiliary Fittings

Pipe Clamp to suit 1 1/4"/1 1/2" Pipe to BS EN 1451-1:2000/BS EN 1329-1:2000 with universal compression connection for 19/23mm rigid pipe
Code (Grey) CLAMP1GR
Code (White) CLAMP1WH

1 1/2" x 1 1/2" x 19/23mm Universal Slip Tee with universal compression connections for 19/23mm rigid pipe
Code V1MX-CO

In-line Vertical Non-Return Valve with inlet and outlet connection for 19/23mm pipe
Code CONVALVE

Straight Connector with universal compression connections for 19/23mm rigid pipe and 25mm flexible pipe
Code R1M-CO

50mm Tundish with 19/23mm pipe outlet
Code TUN-2

Mechanical Soil Pipe Boss Connectors

Mechanical Soil Pipe Boss Connector 57mm hole saw size. Supplied with fixing tool 4"/110mm x 1 1/4" pipe
Code BOSSCONN110-BL
4"/110mm x 1 1/2" pipe
Code BOSSCONN110T-BL
4"/110mm x 1 1/2" pipe
Code BOSSCONN110-GR
4"/110mm x 1 1/2" pipe
Code BOSSCONN110T-GR

Two-Piece Cast Iron Soil Pipe Boss Connector to suit 22mm drill size. Supplied with fixing tool 4"/100mm x 1 1/4" pipe
Code BOSS110CAST-BL
4"/100mm x 1 1/2" pipe
Code BOSS110TCAST-BL
3 1/2"/90mm x 1 1/4" pipe
Code BOSS90CAST-BL
3 1/2"/90mm x 1 1/2" pipe
Code BOSS90TCAST-BL
3"/82mm x 1 1/4" pipe
Code BOSS82CAST-BL
3"/82mm x 1 1/2" pipe
Code BOSS82TCAST-BL

Mechanical Soil and Rainwater Pipe Boss Connector for 1 1/4" pipe
Code BOSSCONN1.25BL
Code BOSSCONN1.25GR

Reducer in ABS 1 1/4" plain tail x 19/23mm universal compression connection
Code R16-BL
Code R16-GR

Mechanical Soil and Rainwater Pipe Boss Connector for 19/23mm pipe
Code BOSSCONN-22MM

For full range of Boss Connectors see page 63
Bath Traps 75mm, 60mm, 50mm and 19mm Water Seal

Bath Traps without Overflows

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1½&quot; x 75mm</td>
<td>Water Seal</td>
<td>L10</td>
</tr>
<tr>
<td>1½&quot; x 75mm</td>
<td>Water Seal Anti-Syphon (Silentrap)</td>
<td>L10V</td>
</tr>
<tr>
<td>1½&quot; x 60mm</td>
<td>Water Seal (Extended Body)</td>
<td>SM10E</td>
</tr>
<tr>
<td>1½&quot; x 60mm</td>
<td>Water Seal (Extended Body) Anti-Syphon (Silentrap)</td>
<td>SM10EV</td>
</tr>
<tr>
<td>1½&quot; x 50mm</td>
<td>Water Seal</td>
<td>SM10</td>
</tr>
<tr>
<td>1½&quot; x 50mm</td>
<td>Water Seal Anti-Syphon (Silentrap)</td>
<td>SM10V</td>
</tr>
<tr>
<td>1½&quot; x 50mm</td>
<td>Water Seal</td>
<td>SMP10</td>
</tr>
<tr>
<td>1½&quot; x 19mm</td>
<td>Water Seal</td>
<td>Q10</td>
</tr>
</tbody>
</table>

Bath Trap with Top Access

- 1½" x 50mm water seal swivel bath trap
- CP brass waste with top access and spring-loaded mushroom plug
- Matching CP mushroom plug and CP overflow face
- Adjustable flexible overflow tube length 330mm - 580mm
- Overall height of trap only 112mm
- FOR EXTENSION KIT SEE PAGE 30

For Bath Waste Outlet Fittings suitable for use with the above Traps see pages 93-95
### Bath Traps with Overflows

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSK10</td>
<td>1½&quot; x 75mm Water Seal with flexible overflow tube and CP overflow grating</td>
</tr>
<tr>
<td>FSK10*</td>
<td>1½&quot; x 75mm Water Seal with flexible overflow tube and CP overflow grating and 70mm flange centre pin waste outlet fitting</td>
</tr>
<tr>
<td>FJ10W</td>
<td>1½&quot; x 75mm Water Seal (Extended Body) with flexible overflow tube and CP overflow grating</td>
</tr>
<tr>
<td>FJ10WC*</td>
<td>1½&quot; x 50mm Water Seal with flexible overflow tube and CP overflow grating</td>
</tr>
</tbody>
</table>

For Bath Waste Outlet Fittings suitable for use with the above traps see page 95

All traps marked* available as anti-syphon (Silentrap). Add suffix ‘V’ to code. See page 4 for technical details.
Bath Fillers with Trap and Overflow

**General**
- Filler manufactured in cast brass
- Compact filler design 70mm diameter x 25mm deep suitable for curved baths
- Will fit overflow hole size 46mm to 65mm
- 0.5 bar pressure produces 33 litres per minute
- 1.0 bar pressure produces 44 litres per minute
- 2.0 bar pressure produces 57 litres per minute
- 650mm WRAS approved braided hose with 90° bend
- All traps 1½” x 50mm water seal with Multifit outlet
- Compression overflow connection to trap

**HC2650UK-FIL** has a standard overflow length of 575mm but is available with a 1m length. Incorporates a swivel bath trap and CP brass waste with top access spring-loaded mushroom plug. Overall height 112mm

**HCN3365UK** has a standard overflow length of 575mm but is available with a 1m length. Incorporates a CP brass waste and spring-loaded mushroom plug

**HCN3165UK** has a standard cable and overflow length of 575mm but is available with a 1m cable and overflow. Incorporates CP brass waste and mushroom pop-up plug

**Code**

**HCN3365UK**

**HCN3365UK-1M**

**HCN3165UK**

**HCN3165UK-1M**

**HC2650UK-FIL**

**HC2650UK-FIL-1M**

*FOR EXTENSION KIT SEE PAGE 30*
Overflow Manifold (Wasteflow)

General
- Bath Wasteflow units enable the overflow and/or warning pipe from a cold water storage cistern and a WC flushing cistern (not fitted with an integral overflow) to be installed so that the discharge is directed into the bath via the bath overflow grating.
- The construction of the Wasteflow is such that whilst acting as a conventional overflow for the bath, any overflow from a connected cistern is discharged through the overflow grating into the bath thereby providing a visible warning.
- A feature of the Wasteflow design ensures that should the overflow grating be blocked, the overflow from the cistern is diverted to discharge directly into the bath trap and not back along the overflow pipe thereby reducing the risk of flooding.
- Wasteflow is also available with connection for condensate.

Advantages
- Wasteflow is available in various forms that allow greater flexibility for the discharge of cistern overflows and condensate.
- No unsightly external overflow pipes.
- No damage to outside walls.
- No risk of freezing.
- No risk to other tenants or public.

Installation
- Wasteflow is supplied with a choice of 50mm, 60mm or 75mm water seal trap.
- Wasteflow is installed under the roll of the bath.
- Wasteflow fittings shown on page 20 enable a range of connections that may be housed within the roll of the bath or if necessary extended into a duct space.
- Overflow pipes connected to Wasteflow should have an adequate and continuous fall to ensure a natural gravity discharge.

- Wasteflow Manifolds have a 1½" BSP male thread on the inlet and will normally require an additional fitting from the list on page 22.

Wasteflow with pop-up waste and trap, CP brass control knob, CP stainless steel waste flange and plug

With L10 Trap PUWF3-CP*

With FJ10 Trap FJWF1*

Bath Waste Outlet Fittings see page 95

Code WF21

All traps marked* available as anti-syphon (Silentrap). Add suffix ‘V’ to code. See page 4 for technical details.
### Overflow Manifold (Wasteflow)

**Chrome Plated Bath Trap with Overflow**

#### Wasteflow

- **Wasteflow** can be fitted with R11, R12 or R15 connector (order as required) for connection to overflow warning pipe. Side inlet connection for 19/23mm condensate or condense drain

  Code: **WF21-SP**

#### Wasteflow Fittings

<table>
<thead>
<tr>
<th>Fitting</th>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Straight Connector</strong></td>
<td>1 1/2” loose nut x connection for 19/23mm pipe</td>
<td>R11</td>
</tr>
<tr>
<td><strong>Four Way Connector</strong></td>
<td>1 1/2” loose nut x four connections for 19mm pipe, supplied with three plugs</td>
<td>R12</td>
</tr>
<tr>
<td><strong>ABS Adaptor</strong></td>
<td>to convert 19mm connections on R12 and R15 fittings up to 23mm OD pipe</td>
<td>R13</td>
</tr>
<tr>
<td><strong>3/4” In-Line Non-Return Valve</strong></td>
<td></td>
<td>R14</td>
</tr>
<tr>
<td><strong>2 Way Connector</strong></td>
<td>1 1/2” loose nut x two connections for 19mm pipe, supplied with one plug</td>
<td>R15</td>
</tr>
</tbody>
</table>

- See page 71 for WC Overflow Kits with Tundish

#### Chrome Plated Brass Bath Traps with Combined Waste and Overflow

<table>
<thead>
<tr>
<th>Trap only</th>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1 1/2” x 50mm Water Seal CP Brass Trap</strong></td>
<td>1 1/2” CP brass combined waste and overflow with 70mm spring-loaded mushroom plug and matching overflow face</td>
<td>BRASSTRAP-50-CP</td>
</tr>
<tr>
<td><strong>1 1/2” x 25mm Water Seal CP Brass Trap</strong></td>
<td>1 1/2” CP brass combined waste and overflow with 70mm spring-loaded mushroom plug and matching overflow face</td>
<td>BRASSTRAP-25-CP</td>
</tr>
<tr>
<td><strong>Trap only</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>1 1/2” x 50mm Water Seal CP Brass Trap</strong></td>
<td>x 1 1/2” universal compression outlet</td>
<td>BATHTRAP50-CPB</td>
</tr>
<tr>
<td><strong>1 1/2” x 25mm Water Seal CP Brass Trap</strong></td>
<td>x 1 1/2” universal compression outlet</td>
<td>BATHTRAP25-CPB</td>
</tr>
</tbody>
</table>
### 110mm x 50mm Water Seal Pushfit Traps, Urinal Bowl Syphonic Traps and Condensation Trap

#### 110mm x 50mm Water Seal Pushfit Traps

**Pushfit Traps** are manufactured in high density polyethylene and the inlet and outlet sealing rings from a proven synthetic rubber compound. Pushfit traps will suit WC squatting pans, slop hoppers or similar appliances with 90-114mm plain end outlet and will connect to 110mm pipe.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WCTRAP4P</td>
<td></td>
</tr>
</tbody>
</table>

#### Urinal Bowl Syphonic Traps

**Syphonic Traps** have inlets to suit continental style syphonic urinal bowl to create a 75mm water seal trap. Outlet to suit 2” BS EN 1329-1:2000 solvent weld pipe.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCUP50UK</td>
<td>Syphonic ‘P’ Trap</td>
</tr>
<tr>
<td>HCUS50UK</td>
<td>Syphonic ‘S’ Trap</td>
</tr>
</tbody>
</table>

#### Condensation Trap

**Condensation Trap** has been designed as a straight socket connector for 110mm and 125mm pipe (commonly used as ducting for basic air extraction systems) and provides an internal trap/diverter which will collect condensation forming on the internal surface of the extract pipework. It allows for the connection of a 19/23mm pipe, which can be installed to drain off the condensation to a convenient position.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WCTRAP4S</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONTRAP1</td>
<td>110mm pipe</td>
</tr>
<tr>
<td>CONTRAP2</td>
<td>125mm pipe</td>
</tr>
</tbody>
</table>
90mm Shower Traps with 50mm Water Seal

90mm Shower Traps with 50mm Water Seal and removable 110mm Flange to

- CP Plastic Flange
- CP Brass Flange
- CP Brass Flange

90mm x 25mm Water Seal with 1½” Solvent Weld Outlet Socket
Overall height 53mm

- ST90CP10-53
- ST90CB10-53
- ST90CPB-P-53

90mm x 50mm Water Seal with 1½” Universal Compression Outlet
Overall height 70mm

- ST90CP10-70
- ST90CB10-70
- ST90CPB-P-70

90mm x 50mm Water Seal with 1½” Universal Compression Outlet
Overall height 90mm

- ST90CP10-HP2
- ST90CB10-HP2
- ST90CPB-P-HP2

90mm x 50mm Water Seal with 2” Universal Compression Outlet
High-flow high-performance trap. Overall height 90mm

- ST90CP10-HP
- ST90CB10-HP
- ST90CPB-P-HP

90mm x 50mm Water Seal with 2” Vertical Universal Compression Outlet
Overall height 106mm

- ST90CP10-V
- ST90CB10-V
- ST90CPB-P-V

Do not pour drain cleaner down these products
facilitate easy cleaning

**CP Brass Flange**  **White Plastic Flange**

---

**Flow Rates**

All McAlpine shower traps with top access surpass the minimum required flow rate when tested in accordance with clause 5 of BS EN 274-2:2002.

26 Litres per minute tested under a constant **15mm Head of Water**

---

**ST90CPB-S-53**

**ST90CPB-S-70**  **ST90WH10-70**

**ST90CPB-S-HP2**  **ST90WH10-HP2**

**ST90CPB-S-HP**  **ST90WH10-HP**

*NOTE*: High Performance (HP) traps to suit trays with maximum thickness of 15mm

**ST90CPB-S-V**  **ST90WH10-V**
**1 1/2" Shower Traps with Top Access**

**Traps with Standard Waste and Flange**

- Waste grid and dip tube removable from top to facilitate easy cleaning
- 70mm or 85mm standard waste and flange - white plastic, CP plastic or CP brass
- Gold plated wastes and grids only supplied as separate items - see page 29

---

<table>
<thead>
<tr>
<th>19mm Water Seal Trap with 1 1/2&quot; Universal Compression Outlet</th>
<th>Overall height 95mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>70mm White Plastic Flange</td>
<td>STW1-R</td>
</tr>
<tr>
<td>85mm White Plastic Flange</td>
<td>STW5-R</td>
</tr>
<tr>
<td>70mm CP Plastic Flange</td>
<td>STW3-R</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>20mm Water Seal Trap with 1 1/2&quot; Solvent Weld Outlet Socket</th>
<th>Overall height 65mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>50mm Water Seal Trap with 1 1/2&quot; Multifit Outlet</td>
<td>Overall height 95mm</td>
</tr>
<tr>
<td>50mm Water Seal Resealing Trap with 1 1/2&quot; Multifit Outlet</td>
<td>Overall height 118mm</td>
</tr>
<tr>
<td>80mm Water Seal Resealing Trap with 1 1/2&quot; Multifit Outlet</td>
<td>Overall height 154mm</td>
</tr>
</tbody>
</table>

**Do not pour drain cleaner down these products**
Flow Rates
All McAlpine shower traps with top access surpass the minimum required flow rate when tested in accordance with clause 5 of BS EN 274-2:2002.

26 Litres per minute tested under a constant 15mm Head of Water

52 Litres per minute tested under a constant 120mm Head of Water

Code STW4-R

85mm CP Plastic Flange  70mm CP Brass Flange  85mm CP Brass Flange

STW7-R  STW3-RB  STW7-RB

STW8-95  STW4B-95  STW8B-95

STW8-R  STW4-RB  STW8-RB
1½” Shower Traps with Top Access

Traps with Waste and Mushroom Flange
- Mushroom flange and dip tube removable from top to facilitate easy cleaning
- 70mm or 85mm mushroom flange available in white plastic or CP stainless steel complete with standard locking nut

<table>
<thead>
<tr>
<th></th>
<th>70mm White Plastic Mushroom Flange</th>
<th>85mm White Plastic Mushroom Flange</th>
<th>70mm CP Stainless Steel Mushroom Flange</th>
<th>85mm CP Stainless Steel Mushroom Flange</th>
</tr>
</thead>
</table>

19mm Water Seal Trap with 1½” Universal Compression Outlet
Overall height 95mm

STW1-M  STW5-M  STW3-M  STW7-M

50mm Water Seal Trap with 1½” Multifit Outlet
Overall height 95mm

STW2M-95  STW6M-95  STW4M-95  STW8M-95

50mm Water Seal Resealing Trap with 1½” Multifit Outlet
Overall height 118mm

STW2-M  STW6-M  STW4-M  STW8-M

Flow Rates
All McAlpine shower traps with top access surpass the minimum required flow rate when tested in accordance with clause 5 of BS EN 274-2:2002.

Litres per minute tested under a constant 15mm Head of Water

26

Litres per minute tested under a constant 120mm Head of Water

52

Do not pour drain cleaner down these products
70mm x 25mm Water Seal Trap with Top Access: 85mm CP Stainless Steel Mushroom Flange with 1½” BS EN 1329-1:2000 solvent weld outlet socket. Overall height 50mm

Code: ST70SS85

- Only suitable for shower trays with a 70mm waste outlet

**Standard Waste** with grid to suit tray with maximum thickness of 22mm

- White Plastic
  - STW70WH
  - STW85WH
- CP Plastic
  - STW70CP
  - STW85CP
- CP Brass
  - STW70CPB
  - STW85CPB
- GP Plastic
  - STW70GP
  - STW85GP

**Grid only**

- White Plastic
  - STWGR-WH
- CP Plastic
  - STWGR-CP

**Standard Locking Nut** to suit tray with maximum thickness of 22mm

- White Plastic
  - STW70LN
  - STW85LN

**Long Locking Nut** to suit tray with maximum thickness of 29mm

- White Plastic
  - STW70LNL
  - STW85LNL

**Long Waste** with grid to suit tray with maximum thickness of 29mm

- White Plastic
  - STW70WHL
  - STW85WHL
- CP Plastic
  - STW70CPL
  - STW85CPL

**Mushroom Flange**

- White Plastic
  - STW70WHM
  - STW85WHM
- CP Stainless Steel
  - STW70SSM
  - STW85SSM
Trap Washers, Bath and Shower Trap Accessories

<table>
<thead>
<tr>
<th>Trap Inlet</th>
<th>Code</th>
<th>Code</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>RW1</td>
<td>RW2</td>
<td>RW3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Multifit Rubber Olive</th>
<th>Code</th>
<th>Code</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>RWM1</td>
<td>RWM2</td>
<td>RWM3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Multifit Plastic Friction Washer</th>
<th>Blue</th>
<th>Red</th>
<th>Green</th>
</tr>
</thead>
<tbody>
<tr>
<td>PWM1</td>
<td>PWM2</td>
<td>PWM3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rubber Washer</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>For A10 CUP</td>
<td>ARW10</td>
</tr>
<tr>
<td>For C10 CUP</td>
<td>CRW10</td>
</tr>
<tr>
<td>For E10 CUP</td>
<td>RW3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rubber Seal</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>to suit ST90 dip tube</td>
<td>P-RW-STW90</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rubber ‘O’ Ring Seal</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>to suit STW dip tube</td>
<td>P-OR-SHOWERTRP</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dip Tube</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>to suit STW trap 19mm water seal</td>
<td>STW19-TUBE</td>
</tr>
<tr>
<td>50mm water seal</td>
<td>STW50-TUBE</td>
</tr>
<tr>
<td>80mm water seal</td>
<td>STW80-TUBE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>110mm CP Plastic Flange</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>to suit ST90CP10-70, ST90CB10-70 and ST90WH10-70 traps</td>
<td>ST90MECPTOP+SUPP</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HC2650UK Extension Kit</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>will lower the HC2650UK trap waste outlet position in a bath which has a thicker reinforced base board or frame</td>
<td>HC2650-EXT-KIT</td>
</tr>
</tbody>
</table>