



Product Catalogue

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Complete Range of Plumbing Products



Introduction

McAlpine commenced manufacturing plumbing products in 1902 and in 1957 was the first United Kingdom Company to manufacture Plastic Traps

McAlpine now manufactures an exceptionally wide range of products of the highest quality for use in the United Kingdom and exports specifically designed products for use in over sixty countries worldwide

As market leader, McAlpine has a reputation for producing innovative products determined by market conditions and customer demand

McAlpine is a Member of the British Standards Institution, the British Plastics Federation and is an Associate Member of the Chartered Institute of Plumbing and Heating Engineers

McAlpine is actively involved in the promotion of quality products which are available in the United Kingdom from National and Independent Plumbers' and Builders' Merchants

Quality Control

McAlpine operates strict Quality Control Systems within all its factories and is committed to the continued supply of high quality products

Technical Information

All information relating to plumbing regulations, installations and flow rates of traps, standards and patents has been included in the Technical Section (8) at the back of this catalogue

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The company operate a policy of progressive improvements and reserve the right to alter the specification of any product without notice



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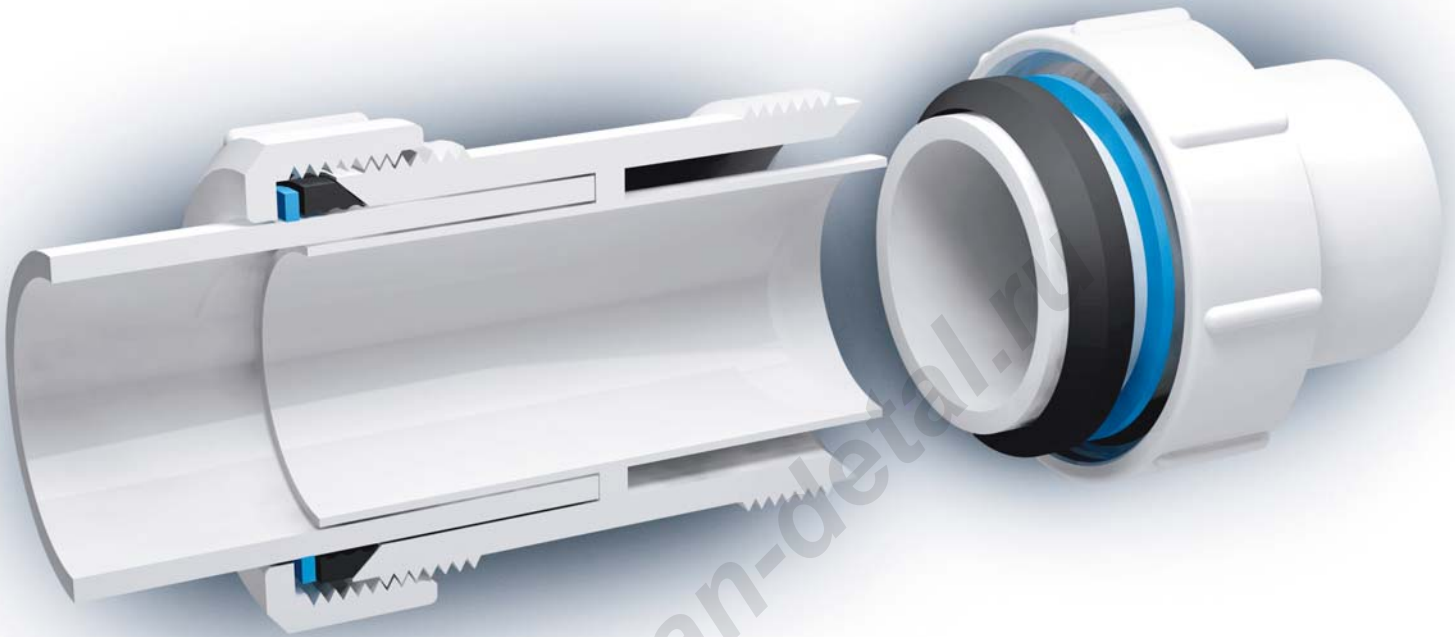
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McAlpine Multifit

- Most McAlpine Trap Outlets and Fittings have Multifit Connections
- Multifit Connections suit all plastic waste pipes to BS EN 1451-1:2000 and BS EN 1329-1:2000, copper pipe (metric or imperial) and lead pipe



- The moulded Internal Sleeve of the Connection, centres and supports the pipe. The Multifit and Friction Washers ensure a secure seal is made between the pipe and the wall of the Fitting. When the compression nut is turned hand tight the best possible mechanical joint is complete
- If a plastic pipe is undersize, or out of shape, the end may require to be warmed to enable it to be pushed over the internal sleeve
- For technical reasons, it is not possible to manufacture Multifit Connections on all traps and fittings. Where Multifit is not provided the description Universal is applied. The only difference being that Universal does not have an Internal Sleeve within the Trap or Fitting

Plastic Traps

SECTION

1



Anti-Syphon Traps (Silenttraps)

General

- By drawing air through the Valve, the Silenttrap 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 Silenttrap has been most rigorously tested and will not unseal, even under the most abnormal conditions
- The Silenttrap 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 Silenttrap air and watertight

Advantages

- The major advantage of the Silenttrap 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
- Silenttrap Valves are available on a wide range of Bottle, Tubular and Bath Traps
- Silenttraps allow for greater flexibility in plumbing design
- The products below simply show that the Silenttrap 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 (Silenttrap). 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

General

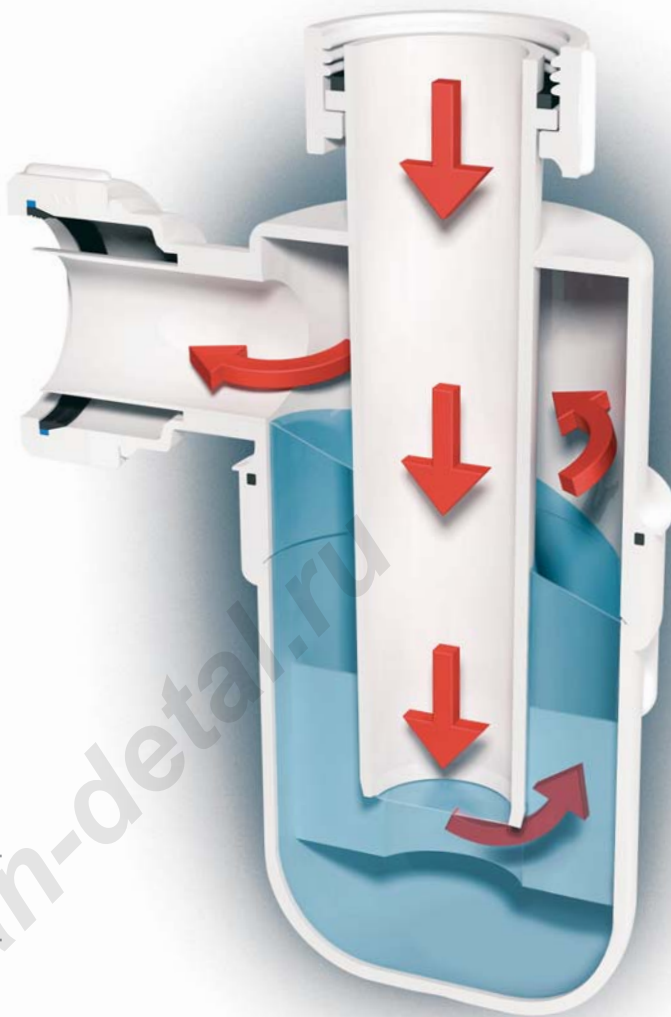
Resealing Bottle Traps are an alternative to Anti-Syphon Traps (Silenttraps) and may be used in similar circumstances

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 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

Advantages

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



1 1/4"
Code

1 1/2"
Code

Standard

A10R

C10R



Adjustable Inlet

A10AR

C10AR



Adjustable Inlet Chrome Plated

A10AR-CP

C10AR-CP



Resealing Shower Trap

Code

STW4-RB

- Full Range of Resealing Shower Traps see pages 24-26

- Bends are available for converting 'P' Traps to 'S' Traps see page 6

Bottle Traps with 75mm Water Seal


1¼"
Code

1½"
Code

Standard

A10

C10



Anti-Syphon (Silentrap)

A10V

C10V



Resealing

A10R

C10R



Adjustable Inlet

A10A

C10A


Anti-Syphon (Silentrap)
Adjustable Inlet

A10AV

C10AV


Resealing
Adjustable Inlet

A10AR

C10AR


1¼"
Code

1½"
Code

Adjustable Inlet

AA10

-


Adjustable Inlet Basin
Trap with Centre Pin
Waste

AA10W

-



38mm Water Seal

E10

G10


Conversion Bend to
convert Bottle 'P' Trap to
'S' Trap

S1M

T1M

Chrome Plated Bottle Traps


1¼"
Code

1½"
Code

Resealing Trap
Adjustable Inlet

A10AR-CP

C10AR-CP

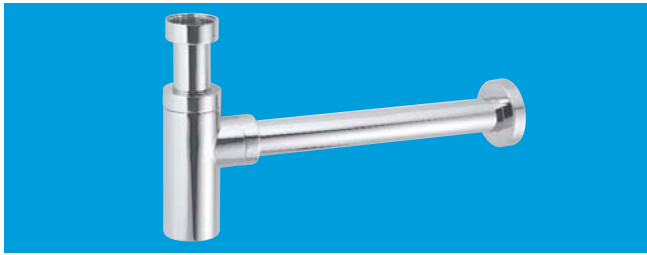


Adjustable Inlet

CAA10

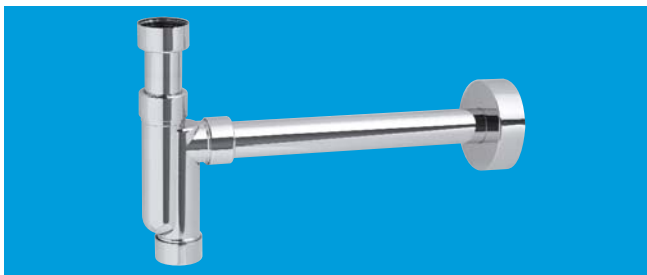
Adjustable Inlet to suit
32mm OD European size
CP Brass Waste Pipe

CE31A



1 1/4" x 50mm Water Seal Brass Adjustable Inlet Cylindrical Bottle Trap with 12" length of 32mm OD CP Brass Waste Pipe and Wall Flange

CA32MINI-CB



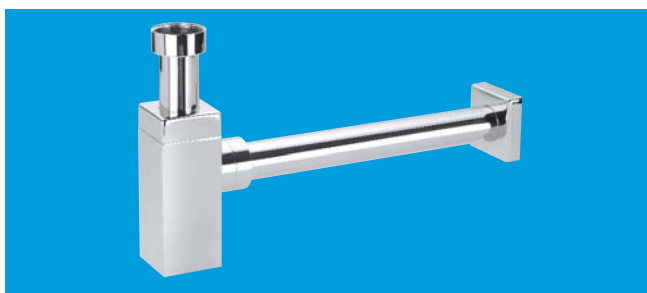
1 1/4" x 50mm Water Seal Plastic Adjustable Inlet Tubular Trap with 12" length of 32mm OD CP Brass Waste Pipe and Wall Flange

TA32UK-CB



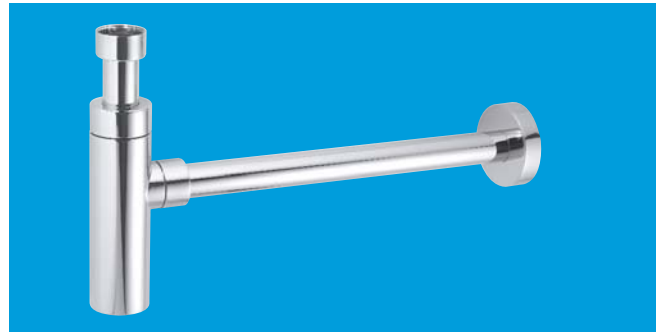
1 1/4" x 50mm Water Seal Plastic Adjustable Inlet Tubular Anti-Syphon Trap (Silentrap) with 12" length of 32mm OD CP Brass Waste Pipe and Wall Flange

TA32VUK-CB



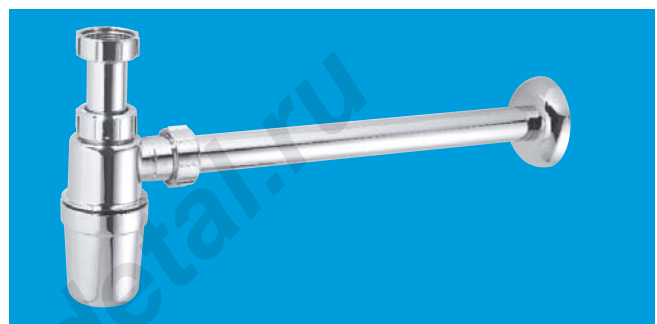
1 1/4" x 50mm Water Seal Brass Adjustable Inlet Square Bottle Trap with 12" length of 32mm OD CP Brass Waste Pipe and Wall Flange

CA32SQUK-CB



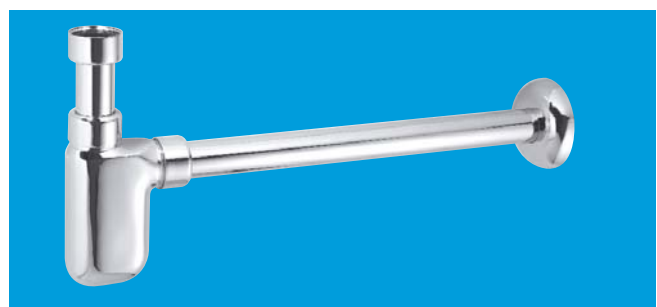
1 1/4" x 75mm Water Seal Brass Adjustable Inlet Cylindrical Bottle Trap with 16" length of 32mm OD CP Brass Waste Pipe and Wall Flange

CA32UK-CB



1 1/4" x 75mm Water Seal Plastic Adjustable Inlet Bottle Trap with 16" length of 32mm OD CP Brass Waste Pipe and Wall Flange

A32UK-CP



1 1/4" x 75mm Water Seal Brass Adjustable Inlet Bottle Trap with 16" length of 32mm OD CP Brass Waste Pipe and Wall Flange

A32UK-CB

- All above Kits except TA32UK-CB and TA32VUK-CB supplied with MS4-32SOLVENT Fitting see pages 48 and 52

- For Chrome Plated Pipe and Fittings see page 52

Tubular Traps with 75mm Water Seal



1¼"	1½"	2"
Code	Code	Code
Swivel 'P'		
SA10	SC10	SE10



1¼"	1½"	2"
Code	Code	Code
Low Inlet		
BT3*	-	-



Anti-Syphon (Silentrap)		
SA10V	SC10V	SE10V



50mm Water Seal		
BT4	-	-



Adjustable Inlet		
ASA10	ASC10	ASE10



Adjustable Inlet with connection for 19/23mm pipe		
ASA10-SP*	ASC10-SP*	-



Adjustable Inlet Anti-Syphon (Silentrap)		
ASA10V	ASC10V	ASE10V



Swivel 'S'		
SB10	SD10	SF10



Adjustable Inlet Basin Trap with Centre Pin Waste		
ASA10W*	-	-



All One		
SP10	TP10	ZP10



All One Anti-Syphon (Silentrap)		
SP10V	TP10V	ZP10V



Adjustable Inlet Sink Trap with Centre Pin Waste		
-	FST1WP*	-



All One Basin Trap with Centre Pin Waste		
SP10W*	-	-

Code **SA10**

1 1/4" Code	1 1/2" Code	2" Code
----------------	----------------	------------

Running 'P'

SR10*	TR10*	SG10*
--------------	--------------	--------------



Running 'S'

SS10	TS10	SH10
-------------	-------------	-------------

1 1/4"
CodeOffset Basin Trap with
Adjustable Inlet and
Cleaning Eye**OBT1**Offset Anti-Syphon
(Silentrap) Basin Trap
with Adjustable Inlet and
removable Anti-Syphon
Valve for cleaning
purposes**OBT1V**Running suitable for most
waste disposal units

-	TT10*	-
---	--------------	---

Running with 20mm
water seal

-	TRSH10	-
---	---------------	---

Adjustable Inlet with
19mm water seal

BT1	BT2	-
------------	------------	---



Straight Through with one Cleaning Eye

1 1/4" Inlet x 1 1/4" Outlet	X10	-	-
------------------------------	------------	---	---

Straight Through Anti-Syphon (Silentrap) with one Cleaning Eye

1 1/4" Inlet x 1 1/4" Outlet	X10V	-	-
------------------------------	-------------	---	---

Straight Through with two Cleaning Eyes

1 1/4" Inlet x 1 1/4" Outlet	X10A	-	-
1 1/4" Inlet x 1 1/2" 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)



Code **WM1***



Code **WM2**



Code **WM2V**



Code **WM11***



Code **WM12***



Code **WM14***



Code **WM15***



Code **ASC10-CO***

Standpipe Trap and Fittings



Standpipe Cap with Retaining Clip

Code **WM3-CAP**



Twin Connector for plumbing two domestic appliance discharge hoses into Standpipe Trap

- Multifit Outlet to suit either 1½" or 40mm Ø Standpipe
- 135° Swivel Nozzles for washing and/or dishwashing machine discharge hoses - supplied with Blanking Plugs
- Discharge hose(s) to be taken to the height stated by the appliance manufacturer(s)
- An air break, as specified by appliance manufacturers is incorporated within the Connector

Code **V33WM**



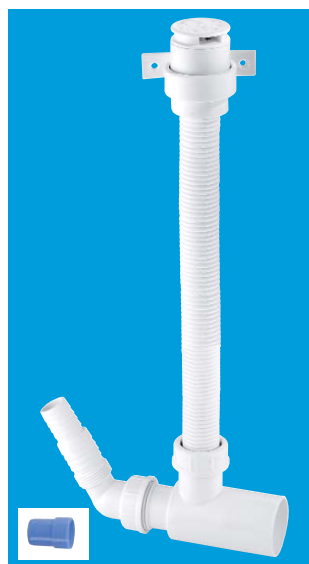
Standpipe Trap

Code **WM3***

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
- TeeVent Fittings may 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



Code **TV1**



Code **TV2**

- **TV1** can be connected direct to the Trap
- **TV2** can be extended away from the Trap by inserting length of 1½" waste pipe between Multifit Connections of the TeeVent and the Trap



Code **WM4***

Accessories



Swept Tee BSP nut x BSP thread x Nozzle for discharge hoze of domestic appliance

1½" x 1½" x ¾" Code **V33L**

1¼" x 1¼" x ¾" Code **V34L**



Tee Piece BSP nut x BSP thread x 135° Nozzle for discharge hoze of domestic appliance

1½" x 1½" x ¾" Code **V33S**



Straight Nozzle for connection to 1½" Multifit

Code **WMF3**



90° Nozzle for connection to 1½" Multifit

Code **WMF4**



135° Nozzle for connection to 1" BSP thread

Code **MA15**

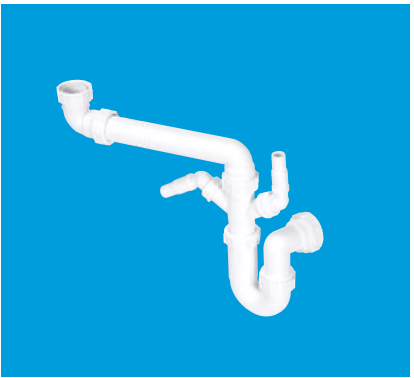
- When installing domestic appliance traps, care should be taken to observe the instructions of the manufacturer of the appliance, particularly with regard to the height of the discharge hose and the incorporation of an air break or vent to atmosphere

All Traps marked* available as Anti-Syphon (Silentrap). Add suffix 'V' to code. See page 4 for technical details

Space Saver and Standard Plumbing Kits for Sinks. Plumbing

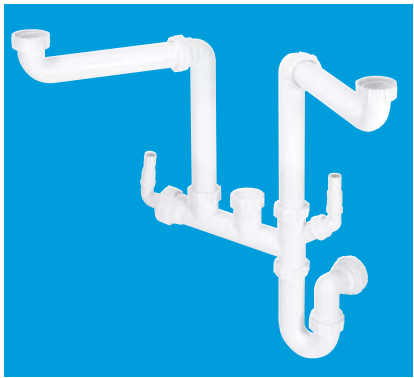
General

- 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 an 1½" x 75mm water seal tubular swivel 'P' trap
- Each Kit is boxed individually and supplied with an illustrative drawing



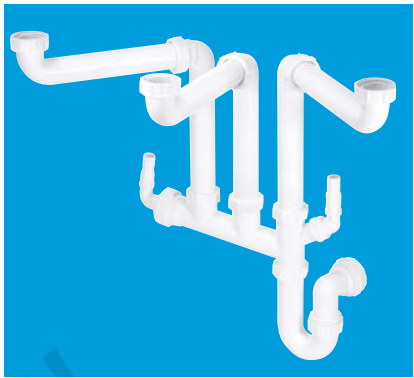
Single Bowl Kit

Code	SSK1
------	------



Double Bowl Kit

Code	SSK2
------	------



Three Bowl Kit

Code	SSK3
------	------

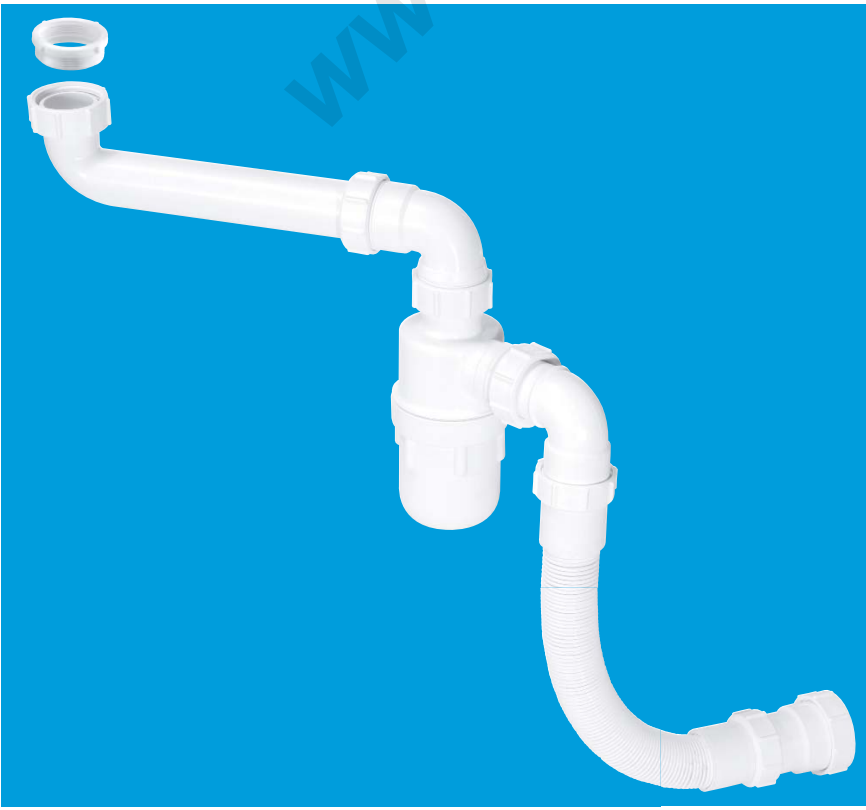


1½" Space Saver Trap Inlet

Code	SSINLET1
------	----------

1¼" Space Saver Trap Inlet

Code	SSINLET2
------	----------

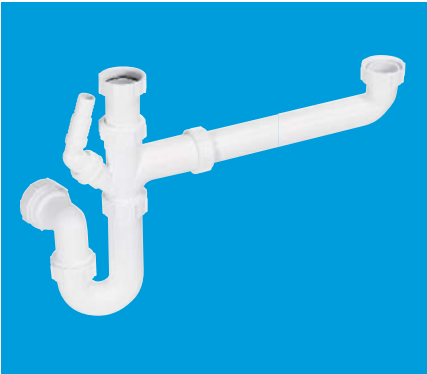


Plumbing Kit for adjustable height basin or sink

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 an 1½" x 75mm water seal tubular swivel 'P' trap
- Each Kit is supplied in a polythene bag complete with an illustrative drawing



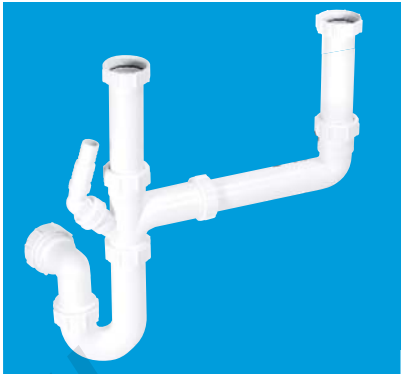
Bowl and a Half Kit

Code	SK1
------	-----



Bowl and a Half Kit

Code	SK1A
------	------

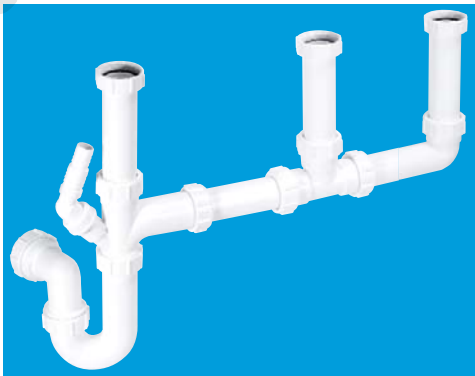


Double Bowl Kit

Code	SK2
------	-----



Code SK1



Three Bowl Kit

Code	SK3
------	-----



Blank Plug(s) included with all Plumbing Kits

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 to receive discharge from condensing boiler. 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 to receive discharge from condensing boiler. 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 to receive discharge from condensing boiler. Supplied with Blanking Cap

Code	ASC10-CO*
------	------------------



19/23mm Inlet and Outlet x 75mm Water Seal Offset Trap to receive discharge from condensing boiler. Supplied with Support Clip

Code	OBT1-CO
------	----------------



34mm Open Inlet x 75mm Water Seal Offset Trap x 19/23mm Outlet to accept flexible pipe from condensing boiler. Supplied with Support Clip

Code	OBT2-CO
------	----------------


Soakaway - Container for use with limestone chippings. For external use only


110mm Ø x 300mm x 1¼"/32mm Pipe Inlet Connection to receive discharge from condensing boiler. 19/23mm x 32mm solvent weld Fitting provided to increase size of discharge pipe before it passes through the external wall


Code	SOAK1GR
------	----------------


Auxiliary Fittings

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


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


	Pipe Clamp to suit 1¼"/1½" Pipe to BS EN 1451-1:2000 /BS EN 1329-1:2000 with connection for 19/23mm pipe to receive discharge from condensing boiler
Code (Grey)	CLAMP1GR
Code (White)	CLAMP1WH


	1½" x 1½" x 19/23mm Universal Slip Tee to receive discharge from condensing boiler
Code	V1MX-CO

	¾" Flexible Tube x 19/23mm Rigid Pipe Straight Connector
Code	R1M-CO



	Mechanical Soil and Rainwater Pipe Boss Connector for 1¼" pipe
Code	BOSSCONN1.25BL
Code	BOSSCONN1.25GR

	Reducer in ABS 1¼" Plain Tail x 19/23mm Universal Connection
Code	R16-BL
Code	R16-GR

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

Bath Traps 75mm, 60mm, 50mm and 19mm Water Seal

Bath Traps without Overflows



1 1/2" x 75mm Water Seal

Code **L10**



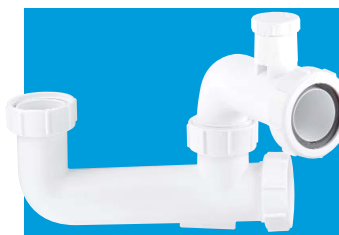
1 1/2" x 75mm Water Seal Anti-Syphon (Silentrap)

Code **L10V**



1 1/2" x 60mm Water Seal (Extended Body)

Code **SM10E**



1 1/2" x 60mm Water Seal (Extended Body) Anti-Syphon (Silentrap)

Code **SM10EV**



1 1/2" x 50mm Water Seal

Code **SM10**



1 1/2" x 50mm Water Seal Anti-Syphon (Silentrap)

Code **SM10V**



1 1/2" x 50mm Water Seal

Code **SMP10**



1 1/2" x 50mm Water Seal Anti-Syphon (Silentrap)

Code **SMP10V**



1 1/4" x 19mm Water Seal

Code **P10**



1 1/2" x 19mm Water Seal

Code **Q10**

Blank Plug, Nut and Washer for L10, SM10, SM10E

Code **L10PLUG**

Code **SM10PLUG**

Code **SM10EPLUG**

Bath Trap with Top Access



1 1/2" x 50mm Water Seal Swivel Bath Trap and Overflow Assembly complete with top access, Chrome Plated Brass Waste and Spring-Loaded Mushroom Plug

Code

HC2650UK

■ For Bath Waste Outlet Fittings suitable for use with the above Traps see pages 83-85

Bath Traps with Overflows



1½" x 75mm Water Seal with flexible Overflow Tube and CP Overflow Grating

Code **FJ10**



1½" x 75mm Water Seal Anti-Syphon (Silentrap) with flexible Overflow Tube and CP Overflow Grating

Code **FJ10V**



1½" x 75mm Water Seal with flexible Overflow Tube and CP Overflow Grating and 70mm Flange Centre Pin Waste Outlet Fitting

Code **FJ10WC***



1½" x 60mm Water Seal (Extended Body) with flexible Overflow Tube and CP Overflow Grating

Code **FSK10E***



1½" x 50mm Water Seal with flexible Overflow Tube and CP Overflow Grating

Code **FSK10**



1½" x 50mm Water Seal Anti-Syphon (Silentrap) with flexible Overflow Tube and CP Overflow Grating

Code **FSK10V**

■ For Bath Waste Outlet Fittings suitable for use with the above Traps see pages 83-84

All Traps marked* available as Anti-Syphon (Silentrap). Add suffix 'V' to code. See page 4 for technical details

Bath Fillers and Chrome Plated Bath Traps with Overflow

Chrome Plated Brass Bath Fillers

CP Brass Bath Filler and Overflow: 650mm long braided hose with 90° bend: Flexible Overflow Tube: CP Brass Waste Outlet with 70mm Flange and Spring-Loaded Mushroom Plug: 1½" x 50mm Water Seal Bath Trap

Code	HC3365UK
------	----------

CP Brass Bath Filler, Overflow and Pop-Up Command Knob: 650mm long braided hose with 90° bend: Flexible Overflow Tube and 575mm long Pop-Up Cable: 70mm CP Brass Waste Flange and Mushroom Pop-Up Plug: 1½" x 50mm Water Seal Bath Trap

Code	HC3165UK
------	----------

As above but with 1 metre long Pop-Up Cable and matching length of Overflow Tube

Code	HC3165UK-1M
------	-------------



Code **BRASSTRAP-50-CP**

Code **HC3165UK**



Code **HC3365UK**

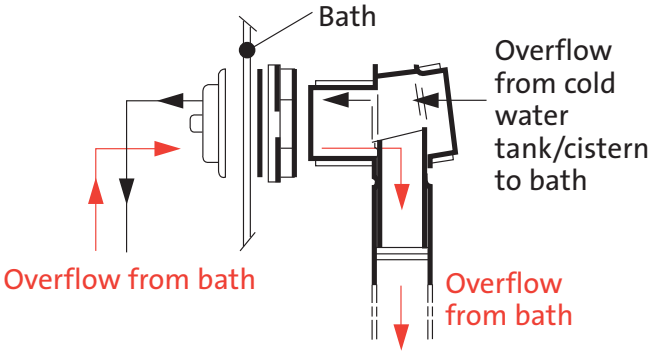
Chrome Plated Brass Bath Traps with Combined Waste and Overflow

1½" x 50mm Water Seal CP Brass Trap: 1½" CP Brass Combined Waste and Overflow with 70mm Spring-Loaded Mushroom Plug and matching Overflow Face

Code	BRASSTRAP-50-CP
------	------------------------

1½" x 25mm Water Seal CP Brass Trap: 1½" CP Brass Combined Waste and Overflow with 70mm Spring-Loaded Mushroom Plug and matching Overflow Face

Code	BRASSTRAP-25-CP
------	------------------------



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 or condense drain

Advantages

- Wasteflow is available in various forms that allow greater flexibility for the discharge of cistern overflows, condensate and condense
- 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 with Pop-Up Waste and Trap: CP Brass Control Knob: CP Stainless Steel Waste Flange and Plug

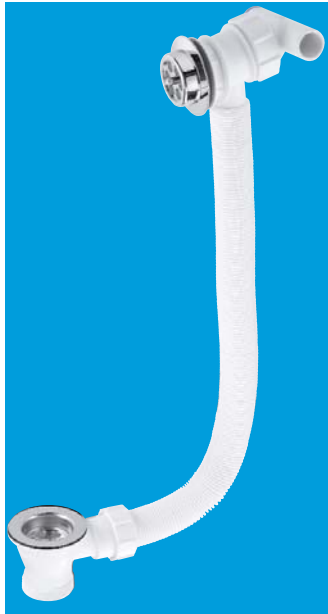
With L10 Trap	PUWF3-CP*
With SM10E Trap	PUWF2-CP*



Wasteflow with Trap

With FJ10 Trap	FJWF1*
With FSK10 Trap	FSKWF1*
Without Trap	WF1

- Bath Waste Outlet Fittings see pages 83-84



Wasteflow with 1½" Waste Outlet Fitting, Plug, Chain and 2 Way Connector

Code	WF21
------	-------------

- Wasteflow Manifolds have a 1½" BSP male thread on the inlet and will normally require an additional fitting from the list on page 20

All Traps marked* available as Anti-Syphon (Silentrap). Add suffix 'V' to code. See page 4 for technical details

Overflow Manifold (Wasteflow)

Wasteflow



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

Code	WF21-SP
------	----------------

Wasteflow with Bath Pop-Up Waste



Wasteflow comprises CP Stainless Steel Flange and Plug and CP Brass Control Knob. Side inlet connection for 19/23mm condensate or condense drain. Complete with SM10E Trap

Code	PUWF2-SP*
------	------------------

Wasteflow Fittings



Straight Connector 1½" loose nut x connection for 19/23mm pipe

Code	R11
------	------------



Four Way Connector 1½" loose nut x four connections for 19mm pipe, supplied with 3 Plugs

Code	R12
------	------------



ABS Adaptor to convert 19mm connections on R12 and R15 Fittings up to 23mm OD pipe

Code	R13
------	------------



¾" In-Line Non-Return Valve

Code	R14
------	------------



2 Way Connector 1½" loose nut x two connections for 19mm pipe, supplied with 1 Plug

Code	R15
------	------------

■ See pages 63-64 for additional Overflow Kits and Assemblies

Trap marked* available as Anti-Syphon (Silentrap). Add suffix 'V' to code. See page 4 for technical details

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



Code

WCTRAP4P



Code

WCTRAP4S

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



Syphonic 'P' Trap

Code **HCUP50UK**



Syphonic 'S' Trap

Code **HCUS50UK**

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



110mm pipe

Code **CONTRAP1**

125mm pipe

Code **CONTRAP2**

90mm Shower Traps with 50mm Water Seal

90mm Shower Traps with 50mm Water Seal and removable 113mm Flange to

CP Plastic Flange

CP Brass Flange

CP Brass Flange

90mm x 50mm Water Seal with 1½" Multifit Outlet

Overall height 70mm



ST90CP10-70



ST90CB10-70



ST90CPB-P-70

90mm x 50mm Water Seal with 1½" Multifit Outlet

Overall height 82mm



ST90CP10



ST90CB10



ST90CPB-P

90mm x 50mm Water Seal with 1½" Multifit Outlet

High-Flow High-Performance Trap. Overall height 85mm



ST90CP10-HP2



ST90CB10-HP2



ST90CPB-P-HP2

90mm x 50mm Water Seal with 2" Multifit Outlet

High-Flow High-Performance Trap. Overall height 85mm



ST90CP10-HP



ST90CB10-HP



ST90CPB-P-HP

90mm x 50mm Water Seal with 2" Universal Vertical Outlet

Overall height 108mm



ST90CP10-V



ST90CB10-V



ST90CPB-P-V

facilitate easy cleaning

CP Brass Flange

White Plastic Flange

90mm x 50mm Water Seal with 1½" Multifit Outlet

Overall height 70mm



ST90CPB-S-70



ST90WH10-70

90mm x 50mm Water Seal with 1½" Multifit Outlet

Overall height 82mm



ST90CPB-S



ST90WH10

90mm x 50mm Water Seal with 1½" Multifit Outlet

High-Flow High-Performance Trap. Overall height 85mm



ST90CPB-S-HP2



ST90WH10-HP2

90mm x 50mm Water Seal with 2" Multifit Outlet

High-Flow High-Performance Trap. Overall height 85mm



ST90CPB-S-HP



ST90WH10-HP

90mm x 50mm Water Seal with 2" Universal Vertical Outlet

Overall height 108mm



ST90CPB-S-V



ST90WH10-V

■ For flow rates see page 101

Do not pour drain cleaner down these products

1½" Shower Traps with Top Access

Traps with Standard Waste and Flange

- Waste Grid and Dip Tube removable from top to facilitate easy cleaning
- 1½" Multifit Outlet
- 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 27

Code STW4-R



70mm White Plastic Flange

85mm White Plastic Flange

19mm Water Seal Trap

Overall height 95mm



STW1-R



STW5-R

50mm Water Seal Trap

Overall height 95mm



STW2-95



STW6-95

50mm Water Seal Resealing Trap

Overall height 118mm



STW2-R



STW6-R

80mm Water Seal Resealing Trap

Overall height 154mm



STW9-R



STW11-R

Do not pour drain cleaner down these products

■ For flow rates see page 101

70mm CP
Plastic Flange

85mm CP
Plastic Flange

70mm CP
Brass Flange

85mm CP
Brass Flange

19mm Water Seal Trap
Overall height 95mm



STW3-R



STW7-R



STW3-RB



STW7-RB

50mm Water Seal Trap
Overall height 95mm



STW4-95



STW8-95



STW4B-95



STW8B-95

50mm Water Seal Resealing Trap
Overall height 118mm



STW4-R



STW8-R



STW4-RB



STW8-RB

80mm Water Seal Resealing Trap
Overall height 154mm



STW10-R



STW12-R



STW10-RB



STW12-RB

1½" Shower Traps with Top Access

1 1/2" Shower Traps with Top Access

Traps with Waste and Mushroom Flange

- Mushroom Flange and Dip Tube removable from top to facilitate easy cleaning
- 1 1/2" Multifit Outlet
- 70mm or 85mm Mushroom Flange, White Plastic or CP Stainless Steel and Standard Locking Nut

70mm White
Mushroom Flange

85mm White
Mushroom Flange

70mm CP Stainless
Steel Mushroom
Flange

85mm CP Stainless
Steel Mushroom
Flange

19mm Water Seal Trap Overall height 95mm



STW1-M



STW5-M



STW3-M



STW7-M

50mm Water Seal Trap Overall height 95mm



STW2M-95



STW6M-95



STW4M-95



STW8M-95

50mm Water Seal Resealing Trap Overall height 118mm



STW2-M



STW6-M



STW4-M



STW8-M

80mm Water Seal Resealing Trap Overall height 154mm



STW9-M



STW11-M



STW10-M



STW12-M

■ For flow rates see page 101

Do not pour drain cleaner down these products

70mm Shower Trap and Shower Trap Accessories SECTION 1



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. 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

Long Waste with Grid to suit tray with maximum thickness of 29mm



White Plastic

STW70WHL

STW85WHL



CP Plastic

STW70CPL

STW85CPL

Grid only



White Plastic

STWGR-WH



CP Plastic

STWGR-CP



GP Plastic

STWGR-GP

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



STW70LN

STW85LN

Mushroom Flange



White Plastic

STW70WHM

STW85WHM



CP Stainless Steel

STW70SSM

STW85SSM

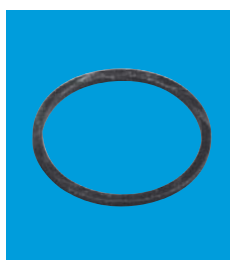
Long Locking Nut to suit tray with maximum thickness of 29mm



STW70LNL

STW85LNL

70mm Shower Trap and Shower Trap Accessories



1¼" Code	1½" Code	2" Code
-------------	-------------	------------

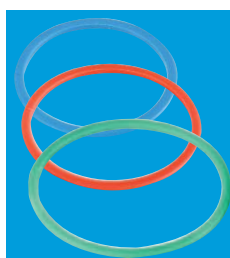
Trap Inlet

RW1	RW2	RW3
-----	-----	-----



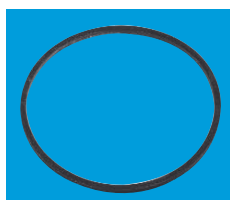
Multifit Rubber Olive

RWM1	RWM2	RWM3
------	------	------



Multifit Plastic Friction Washer

Blue PWM1	Red PWM2	Green PWM3
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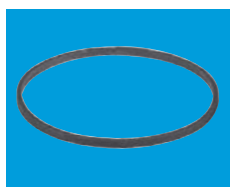


Rubber Washer

For A10 CUP **ARW10**

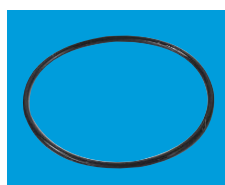
For C10 CUP **CRW10**

For E10 CUP **RW3**



Rubber Seal to suit ST90 Dip Tube

P-RW-STW90



Rubber 'O' Ring Seal to suit STW Dip Tube

P-OR-SHOWERTRP



Dip Tube to suit STW Trap

19mm Water Seal

STW19-TUBE

50mm Water Seal

STW50-TUBE

80mm Water Seal

STW80-TUBE



113mm CP Plastic Flange to suit ST90 Trap. Supplied complete with Dip Tube

ST90CPTOP+TUBE



Long Waste for ST90CP10, ST90CB10 and ST90WH10 Traps. To suit tray with maximum thickness of 25mm

ST90W/BODY-L

Shower and Floor Gullies Channel Drain and Tile Drain

SECTION

2



Shower and Floor Gullies, Channel Drain and Tile Drain

General Information

Shower and Floor Gullies

- M^CAlpine has responded to market conditions and customer demand by producing an extensive range of Gullies suitable for shower and wet floor areas
- The comprehensive range of Gullies is suitable for concrete and suspended timber floors finished with sheet flooring, tiles or stone
- Two Piece Gullies enable Gully to be plumbed prior to installation of timber floors and Floor Formers
- M^CAlpine Gullies are ideal for domestic wet rooms, Lifetime Homes, disabled adaptations, student accommodation, bathroom pods, hotels, hospitals and sport and leisure facilities
- Manufactured in ABS to the highest quality, M^CAlpine Gullies comply to EN 1253-2:2003
- Flow rates of 48 litres per minute exceed the minimum requirement of EN 1253-2:2003 and are variable dependent on the Grating or Cover Plate used
- Range of Trapped Shower Gullies (TSG) available with 50mm, 60mm and 75mm water seal and Untrapped Gullies (USG) for use with pumped waste
- Choice of horizontal or vertical outlet
- All Gullies have top access for easy cleaning
- Choice of White Plastic, Polished Stainless Steel and Chrome Plated finishes for Tiles, Gratings, Clamp Rings and Cover Plates

Channel Drain for Tiled Floors

- The Channel Drain is suitable for concrete and suspended timber floors finished with tiles or stone
- Manufactured in grade 304 stainless steel
- Choice of brushed or polished finish Cover Plate reversible to accommodate tiles up to 8mm
- Frame height adjustable to suit tiles up to 16mm

Tile Drain for Wet Floor Areas

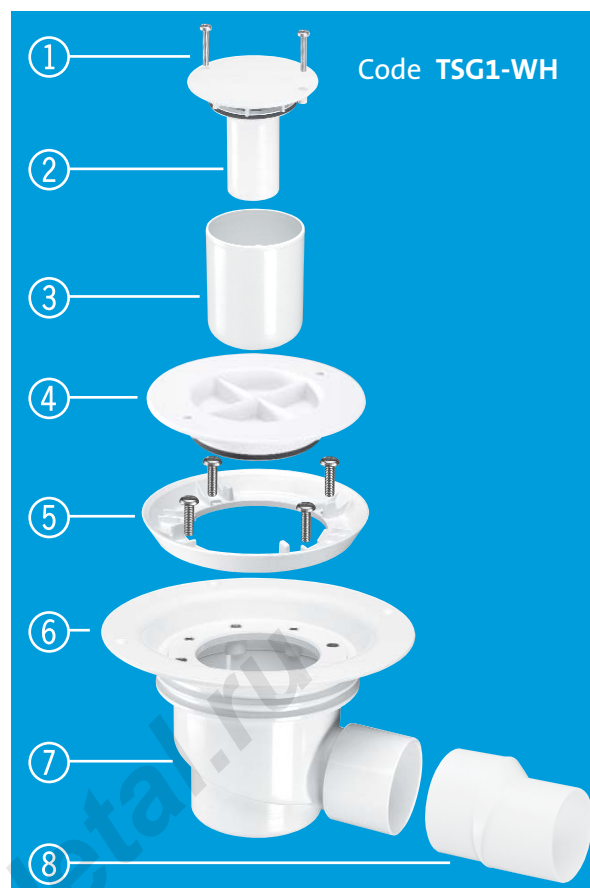
- The Tile Drain is suitable for concrete and suspended timber floors finished with tiles or stone
- Manufactured in grade 304 stainless steel
- Choice of 150mm² stainless steel Designer Tiles reversible to accommodate tiles up to 8mm
- Frame height adjustable to suit tiles up to 16mm

Code TSG50T6SS



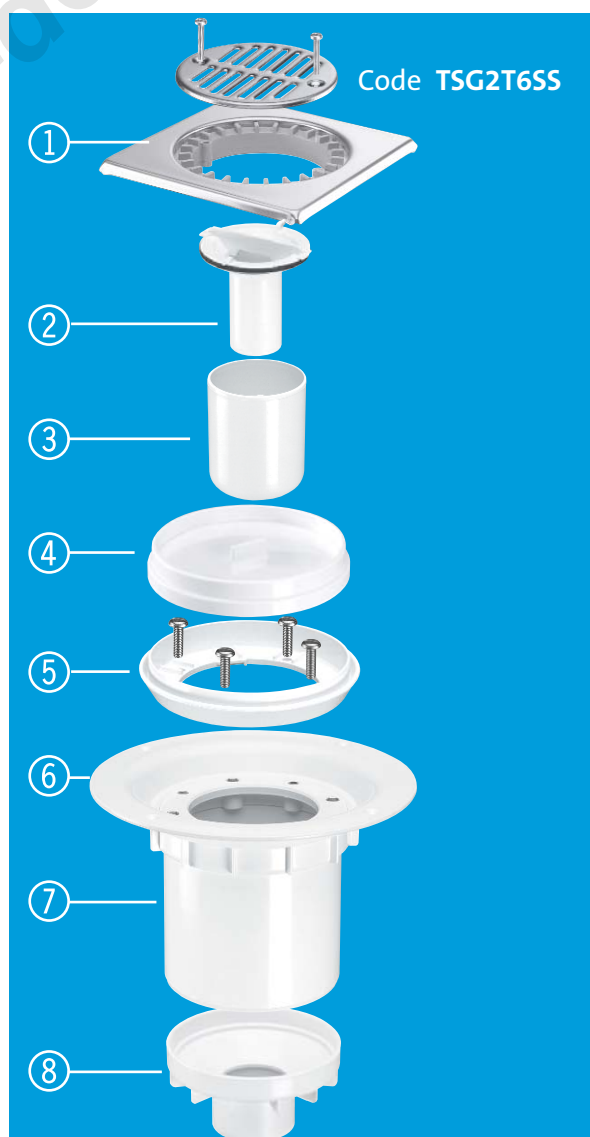
Sheet Flooring

- ① Two Stainless Steel Securing Screws
- ② Cover Plate and Dip Tube Assembly. Choice of Cover Plate Finishes available
- ③ Removable Sediment Cup
- ④ Temporary Cover Plate. For use during installation as a plug for preliminary air test. Will protect Gully from damage by foot traffic and prevent site debris entering the drainage system
- ⑤ Clamp Ring with 4 x M6 stainless steel screws
- ⑥ Four indentations suitable for size 8 countersunk screws
- ⑦ Gully Body with 2" BS EN 1329-1:2000 Solvent Weld Horizontal Outlet
- ⑧ 2" x 1½" BS EN 1329-1:2000 Socket Reducer



Tile or Stone Floors

- ① Choice of Tiles and Gratings with or without Securing Screws
- ② Removable Dip Tube
- ③ Removable Sediment Cup
- ④ Dust Cap/Extension Ring. For use during installation to prevent site debris entering the drainage system. The Fitting can also be used for raising the height of the Tile
- ⑤ Clamp Ring for waterproofing membrane and solvent welding Tile. The Clamp Ring has Weep Holes to allow any moisture at this level to discharge back into the Gully and is secured by 4 x M6 stainless steel screws
- ⑥ Four indentations suitable for size 8 countersunk screws
- ⑦ Gully Body with 110mm Ø Vertical Outlet
- ⑧ 110mm Ø x 2" BS EN 1329-1:2000 Solvent Weld Reducer



■ The two products shown illustrate the versatility of the McAlpine range of Trapped Shower Gullies. See pages 32-40 for the full range of Trapped and Untrapped Gullies

Gullies for use with Sheet Flooring

Trapped Gullies

White Plastic Clamp
Ring and Cover Plate
with Securing Screws

Polished Stainless
Steel Clamp Ring and
Cover Plate with
Securing Screws

Chrome Plated Brass
Clamp Ring with
Stainless Steel Grated
Cover Plate and
Securing Screws

Chrome Plated Brass
Clamp Ring with
Stainless Steel Grated
Cover Plate

75mm Water Seal Trap with 2" BS EN 1329-1:2000 Solvent Weld Horizontal Outlet and 2" x 1½" Socket Reducer. Overall height 130mm



TSG1-WH



TSG1SS



TSG1SS-SL-SC



TSG1SS-SL-NSC

50mm Water Seal Trap with 2" BS EN 1329-1:2000 Solvent Weld Horizontal Outlet and 2" x 1½" Socket Reducer. Overall height 100mm



TSG50WH



TSG50SS



TSG50SS-SL-SC



TSG50SS-SL-NSC

Two Piece 50mm Water Seal Trap with 2" BS EN 1329-1:2000 Solvent Weld Horizontal Outlet, 2" Swivel Outlet Fitting and 2" x 1½" Socket Reducer. Overall height 100mm



TSG52WH



TSG52SS



TSG52SS-SL-SC



TSG52SS-SL-NSC

75mm Water Seal Trap with 110mm Ø Vertical Outlet and 110mm Ø x 2" BS EN 1329-1:2000 Solvent Weld Reducer. Overall height 130mm



TSG2WH



TSG2SS



TSG2SS-SL-SC



TSG2SS-SL-NSC

White Plastic Clamp
Ring and Cover Plate
with Securing Screws

Polished Stainless
Steel Clamp Ring and
Cover Plate with
Securing Screws

Chrome Plated Brass
Clamp Ring with
Stainless Steel Grated
Cover Plate and
Securing Screws

Chrome Plated Brass
Clamp Ring with
Stainless Steel Grated
Cover Plate

50mm Water Seal Trap with 1½" BS EN 1329-1:2000 Solvent Weld Side Inlet for waste pipe and 110mm Ø or 1½" Solvent Weld Vertical Outlet. Overall height 130mm



TSG3WH



TSG3SS



TSG3SS-SL-SC



TSG3SS-SL-NSC

Untrapped Gullies

Untrapped Gully with 22mm Horizontal Plain Outlet for use with pumped waste. Overall height 46mm



USG1WH



USG1SS



USG1SS-SL-SC



USG1SS-SL-NSC

Untrapped Gully with 2" BS EN 1329-1:2000 Solvent Weld Vertical Outlet and 2" x 1½" Socket Reducer. Overall height 70mm



USG2WH



USG2SS



USG2SS-SL-SC



USG2SS-SL-NSC

Untrapped Gully with 1½" BS EN 1329-1:2000 Solvent Weld Horizontal Outlet. Overall height 75mm



USG3WH



USG3SS



USG3SS-SL-SC



USG3SS-SL-NSC

Gullies for use with Sheet Flooring

■ Clamp Rings and Cover Plates available in colours bone, blue and black on application

Do not pour drain cleaner down these products

Gullies for use with Tiled or Stone Floors where a Waterproofing

Trapped Gullies

150mm Square
Stainless Steel
Tile with
removable Grid
and Securing
Screws

150mm Square
Chrome Plated
Stainless Steel
Tile with
removable Grid

150mm Square
White ABS Tile
with removable
Grid

200mm Square
White ABS Tile
with removable
Grid

125mm Diameter
Chrome Plated
Stainless Steel
Grating with
removable Grid

75mm Water Seal Trap with 2" BS EN 1329-1:2000 Solvent Weld Horizontal Outlet and 2" x 1½" Socket Reducer. Overall height 130mm



TSG1T6SS



TSG1-T150SS



TSG1T6WH



TSG1T8WH



TSG1-R125SS

50mm Water Seal Trap with 2" BS EN 1329-1:2000 Solvent Weld Horizontal Outlet and 2" x 1½" Socket Reducer. Overall height 100mm



TSG50T6SS



TSG50-T150SS



TSG50T6WH



TSG50T8WH



TSG50-R125SS

Two Piece 50mm Water Seal Trap with 2" BS EN 1329-1:2000 Solvent Weld Horizontal Outlet, 2" Swivel Outlet Fitting and 2" x 1½" Socket Reducer. Overall height 100mm



TSG52T6SS



TSG52-T150SS



TSG52T6WH



TSG52T8WH



TSG52-R125SS

75mm Water Seal Trap with 110mm Ø Vertical Outlet and 110mm Ø x 2" BS EN 1329-1:2000 Solvent Weld Reducer. Overall height 130mm



TSG2T6SS



TSG2-T150SS



TSG2T6WH



TSG2T8WH



TSG2-R125SS

150mm Square
Stainless Steel
Tile with
removable Grid
and Securing
Screws

150mm Square
Chrome Plated
Stainless Steel
Tile with
removable Grid

150mm Square
White ABS Tile
with removable
Grid

200mm Square
White ABS Tile
with removable
Grid

125mm Diameter
Chrome Plated
Stainless Steel
Grating with
removable Grid

50mm Water Seal Trap with 1½" BS EN 1329-1:2000 Solvent Weld Side Inlet for waste pipe and 110mm Ø or 1½" Solvent Weld Vertical Outlet. Overall height 130mm



TSG3T6SS



TSG3-T150SS



TSG3T6WH



TSG3T8WH



TSG3-R125SS

Untrapped Gullies

Untrapped Gully with 22mm Horizontal Plain Outlet for use with pumped waste. Overall height 46mm



USG1T6SS



USG1-T150SS



USG1T6WH



USG1T8WH



USG1-R125SS

Untrapped Gully with 2" BS EN 1329-1:2000 Solvent Weld Vertical Outlet and 2" x 1½" Socket Reducer. Overall height 70mm



USG2T6SS



USG2-T150SS



USG2T6WH



USG2T8WH



USG2-R125SS

Untrapped Gully with 1½" BS EN 1329-1:2000 Solvent Weld Horizontal Outlet. Overall height 75mm



USG3T6SS



USG3-T150SS



USG3T6WH



USG3T8WH



USG3-R125SS

Gullies for use with Tiled or Stone Floors

Illustration of Two Piece Trapped Gullies

- Two piece Gullies can be used in all floors but they have been specifically designed for use with timber floors and Floor Formers and can be plumbed prior to the installation of the floor or Former
- See pages 32, 34 and 38 for product range



Code **TSG52WH**

Code **TSG52T6SS**

Top Access Shower Traps for use with Sheet Flooring, Tiled or Stone Floors

SECTION 2



19mm Water Seal Trap with 1½" Multifit Outlet, White Plastic Clamp Ring and Cover Plate with Securing Screws. Overall height 138mm

Code **TSG1WH-STW1R**



50mm Water Seal Trap with 1½" x 90° Swivel Multifit Outlet Bend, White Plastic Clamp Ring and Cover Plate with Securing Screws. Overall height 138mm

Code **TSG1WHSTW295**



50mm Water Seal Resealing Trap with 1½" x 90° Swivel Multifit Outlet Bend, White Plastic Clamp Ring and Cover Plate with Securing Screws. Overall height 167mm

Code **TSG1WH-STW2R**



19mm Water Seal Trap with 1½" Multifit Outlet, 150mm Square Stainless Steel Tile with removable Grid and Securing Screws. Overall height 138mm

Code **TSG1T6SS+STW1R**



50mm Water Seal Trap with 1½" x 90° Swivel Multifit Outlet Bend, 150mm Square Stainless Steel Tile with removable Grid and Securing Screws. Overall height 138mm

Code **TSG1T6SSTW295**



50mm Water Seal Resealing Trap with 1½" x 90° Swivel Multifit Outlet Bend, 150mm Square Stainless Steel Tile with removable Grid and Securing Screws. Overall height 167mm

Code **TSG1T6SS-STW2R**

Gully Bodies, Tiles and Gratings for use with Tiled or Stone

Trapped Gully Bodies



75mm Water Seal Trap with 2" BS EN 1329-1:2000 Solvent Weld Horizontal Outlet and 2" x 1½" Socket Reducer

Code

TSG1T-B



50mm Water Seal Trap with 2" BS EN 1329-1:2000 Solvent Weld Horizontal Outlet and 2" x 1½" Socket Reducer

Code

TSG50T-B



Two Piece 50mm Water Seal Trap with 2" BS EN 1329-1:2000 Solvent Weld Horizontal Outlet, 2" Swivel Outlet Fitting and 2" x 1½" Socket Reducer

Code

TSG52T-B



75mm Water Seal Trap with 110mm Ø Vertical Outlet and 110mm Ø x 2" BS EN 1329-1:2000 Solvent Weld Reducer

Code

TSG2T-B



50mm Water Seal Trap with 1½" BS EN 1329-1:2000 Solvent Weld Side Inlet for waste pipe and 110mm Ø or 1½" Solvent Weld Vertical Outlet

Code

TSG3T-B

Untrapped Gully Bodies



Untrapped Gully with 22mm Horizontal Plain Outlet for use with pumped waste

Code

USG1T-B



Untrapped Gully with 2" BS EN 1329-1:2000 Solvent Weld Vertical Outlet and 2" x 1½" Solvent Weld Socket Reducer

Code

USG2T-B



Untrapped Gully with 1½" BS EN 1329-1:2000 Solvent Weld Horizontal Outlet

Code

USG3T-B

- Trapped Gully Bodies are supplied with Sediment Cup, Dip Tube, Dust Cap/Extension Ring and Clamp Ring suitable for solvent welding to the Tiles opposite
- Untrapped Gully Bodies are supplied with Clamp Ring suitable for solvent welding to the Tiles opposite

Do not pour drain cleaner down these products

Tiles and Gratings for use with Gully Bodies detailed on pages 38 and 40



150mm Square Stainless Steel Tile with removable Grid and Securing Screws. Tile has ABS Spigot Adaptor for solvent welding to Clamp Ring

Code	FGTOP6SS
------	----------



150mm Square Chrome Plated Stainless Steel Tile with removable Grid. Tile has ABS Spigot Adaptor for solvent welding to Clamp Ring

Code	FGT150TOP
------	-----------



150mm Square White ABS Tile with removable Grid. Tile has Spigot Adaptor for solvent welding to Clamp Ring

Code	MDTOP-WH
------	----------



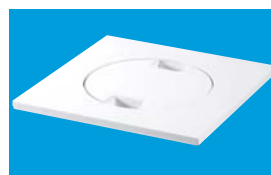
200mm Square White ABS Tile with removable Grid. Tile has Spigot Adaptor for solvent welding to Clamp Ring

Code	MDTOP20-WH
------	------------



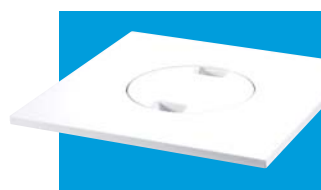
125mm Ø Chrome Plated Stainless Steel Grating with removable Grid. Tile has ABS Spigot Adaptor for solvent welding to Clamp Ring. Suitable for stone shower bases

Code	FGTR125TOP
------	------------



150mm Square White ABS Tile and Cover. Tile has Spigot Adaptor for solvent welding to Clamp Ring. Not suitable for shower areas

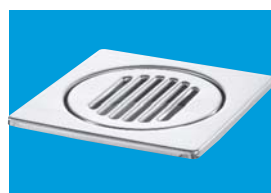
Code	MDTOPC-WH
------	-----------



200mm Square White ABS Tile and Cover. Tile has Spigot Adaptor for solvent welding to Clamp Ring. Not suitable for shower areas

Code	MDTOP20C-WH
------	-------------

Tiles and Gratings only suitable to fit inside 110mm Ø pipe



150mm Square Chrome Plated Stainless Steel Tile with removable Grid. Supplied with Rubber Gasket to fit inside 110mm Ø pipe

Code	FGT150-SS
------	-----------



125mm Ø Chrome Plated Stainless Steel Grating with removable Grid. Supplied with Rubber Gasket to fit inside 110mm Ø pipe. Suitable for stone shower bases

Code	FGTR125-SS
------	------------

Do not pour drain cleaner down these products

Gullies suitable for Concrete Ground Floors where a Waterproofing Membrane is not required

Trapped Gully Bodies



Multi-Drain - 60mm Water Seal Universal Trapped Floor Gully

manufactured in grey ABS with 2"/3" Solvent Weld Horizontal Outlet. Height can be extended by solvent welding length of 110mm Ø PVC pipe between Gully Body and Tile. Inlet connections are for solvent welding to 1½" ABS/PVC pipe, internal fit or 2" ABS/PVC pipe, external fit

For Tiles and Gratings see page 39

Code

MD100



Multi-Drain - 60mm Water Seal Universal Trapped Floor Gully

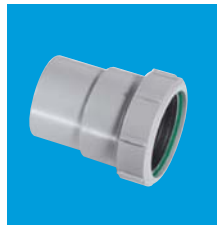
manufactured in grey ABS with 3" Solvent Weld Horizontal Outlet. Height can be extended by solvent welding length of 110mm Ø PVC pipe between Gully Body and Tile. Inlet connections are for solvent welding to 1½" ABS/PVC pipe, internal fit or 2" ABS/PVC pipe, external fit

For Tiles and Gratings see page 39

Code

MD100-3

Adaptors for Inlet and Outlet Connections

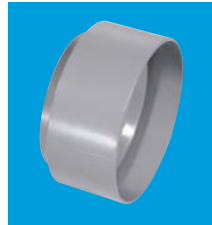


Multi-Drain Inlet Fitting

2" Solvent Weld x 2" Universal Compression

Code

MD200



Multi-Drain Outlet Fitting

3" Solvent Weld x 110mm Ø Solvent Weld

Code

MD400

Untrapped Gullies with Top Access for Tiled Floors



Untrapped Gully with 1½" BS EN 1329-1:2000 Solvent Weld Horizontal Outlet and 150mm Square Stainless Steel Tile with removable Grid and Securing Screws. Overall height 68mm

Code

FD90-T6SS



Untrapped Gully with 1½" BS EN 1329-1:2000 Solvent Weld Horizontal Outlet and 150mm Square White ABS Tile with removable Grid. Overall height 68mm

Code

FD90-T6WH



Untrapped Gully with 1½" BS EN 1329-1:2000 Solvent Weld Horizontal Outlet and 200mm Square White ABS Tile with removable Grid. Overall height 68mm

Code

FD90-T8WH

Conversion Cover Plate with 1 1/2" Universal Pipe Boss



For use with TSG1, TSG50, TSG52 and TSG2 Shower Gullies for sheet flooring. Used to seal off Gully or to convert to a drain connection to allow for installation of bath waste. By refitting the Cover Plate and Dip Tube the drain reverts to a trapped Gully

Code	CPTSG
------	-------

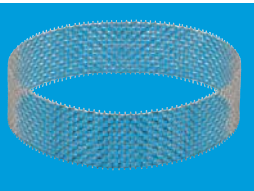
Stopper for TSG Dip Tubes



For use with Trapped Shower Gullies TSG1, TSG50, TSG52 and TSG2 models only, either sheet flooring or tiled floor versions. When after installation the Gully is not going to be used there is a possibility that the water seal will evaporate. The Stopper when inserted into the Dip Tube will prevent foul air entering the building

Code	TSGSTOP
------	---------

Filter Mesh



Filter Mesh to suit USG1 range of Untrapped Gullies

Code	MESH-1
------	--------

Stability Leg



Optional Stability Leg to suit USG1 range of Untrapped Gullies

Code	USGLEG1
------	---------

Do not pour drain cleaner down these products

Conversion Kits to enable Gullies except MD100, MD100-3 and FD90 to be converted for different floor finishes

Converts any TSG1 or TSG2 Gully to a sheet flooring gully with CP Brass Clamp Ring, Stainless Steel Grated Cover Plate and Dip Tube

Code	FGTR118TOP
------	------------

Converts any TSG50 or TSG52 Gully to a sheet flooring gully with CP Brass Clamp Ring, Stainless Steel Grated Cover Plate and Dip Tube

Code	FGTR118TOP-50
------	---------------

Converts any TSG1 or TSG2 Gully to a sheet flooring gully with White Plastic Clamp Ring, Cover Plate and Dip Tube

Code	TSGCONTV
------	----------

Converts any TSG1 or TSG2 Gully to a sheet flooring gully with Polished Stainless Steel Clamp Ring, Cover Plate and Dip Tube

Code	TSGCONTVSS
------	------------

Converts any TSG1 or TSG2 Gully to a tiled floor gully with White ABS Clamp Ring, 150mm Square White ABS Tile with removable Grid and Dip Tube

Code	TSGCONV
------	---------

Converts any TSG1 or TSG2 Gully to a tiled floor gully with White ABS Clamp Ring, 150mm Square Stainless Steel Tile with removable Grid, Securing Screws and Dip Tube

Code	TSGCONVSS
------	-----------

Converts any Gully with a 150mm White Plastic Tile to a gully with a 150mm Square Stainless Steel Tile with removable Grid and Securing Screws

Code	FGTOP6SS
------	----------

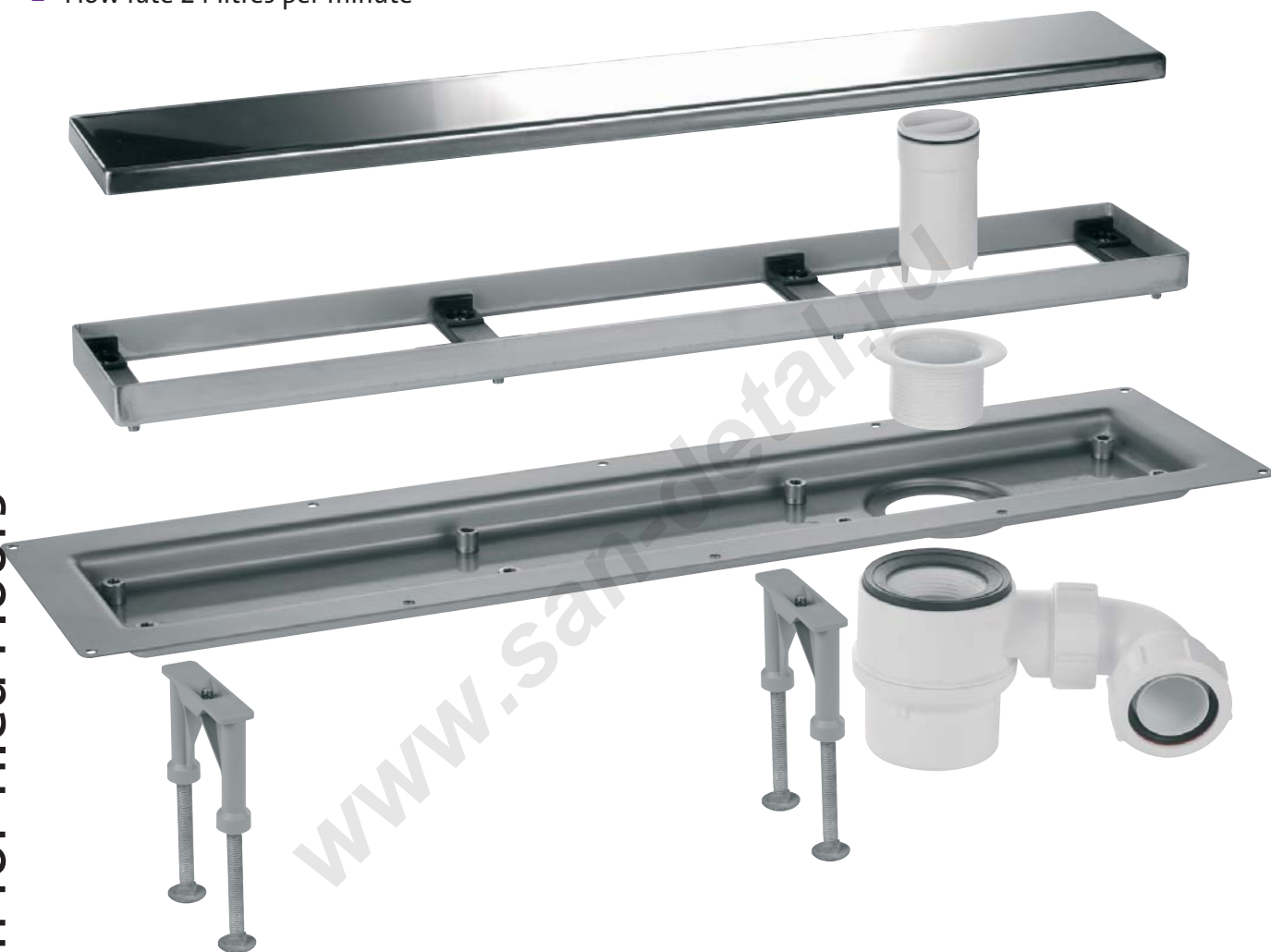
Channel Drain for Tiled Floors

- Supplied with 1½" x 50mm Water Seal Trap with top access for easy cleaning
- Available with polished or brushed finished grade 304 stainless steel Cover Plate
- Cover Plate reversible to accommodate tiles up to 8mm
- Frame height adjustable to suit tiles up to 16mm
- Flow rate 24 litres per minute*

- Supplied with adjustable height support legs for concrete floor installations. Height adjustability 75-155mm

Dimensions:

Length of Channel Frame:	548mm
Width of Channel Frame:	88mm
Overall height:	28mm
Overall height with Trap:	123mm



Channel Drain with brushed finish Cover Plate

Code **CD600-B**



Channel Drain with polished finish Cover Plate

Code **CD600-P**



Channel Drain Cover Plate brushed finish

Code **COV600-B**



Channel Drain Cover Plate polished finish

Code **COV600-P**

*Flow rate calculated under a constant 15mm head of water

Tile Drain for Wet Floor Areas

- Tiles suitable for 50mm Water Seal Traps as illustrated
- Plain Tile supplied with brushed or polished finish, Designer Tiles supplied in brushed finish only. All in grade 304 stainless steel
- Tiles reversible to accommodate tiles up to 8mm
- Tile Frame dimension 150mm²
- Frame height adjustable to suit tiles up to 16mm
- Supplied with adjustable height support legs for concrete floor installations. Height adjustability 75-155mm



50mm Water Seal Trap Body with 1½" Multifit Outlet. Overall height with Tile 100mm. Flow rate 34 l/min*

Code **ST90-70B**



50mm Water Seal Trap Body with 1½" Multifit Outlet. Overall height with Tile 120mm. Flow rate 42 l/min*

Code **ST90-HP2B**



50mm Water Seal Trap Body with 2" Multifit Outlet. Overall height with Tile 120mm. Flow rate 50 l/min*

Code **ST90-HPB**



Code **TILE-PLAIN-B**



Code **TILE-PLAIN-P**



Code **TILE-LOVE-B**



Code **TILE-MAC-B**



Code **TILE-SOLEIL-B**



Code **TILE-TRIBAL-B**

*Flow rate calculated under a constant 15mm head of water

Installation Guidelines

General Notes and Guidance for Shower Gullies

- All Trapped (TSG) and Untrapped (USG) Shower Gullies can be used in concrete or suspended timber floors
- All Gullies are ideal for shower and wet floor areas
- Fixing Instructions are supplied with each Gully

Sheet Flooring

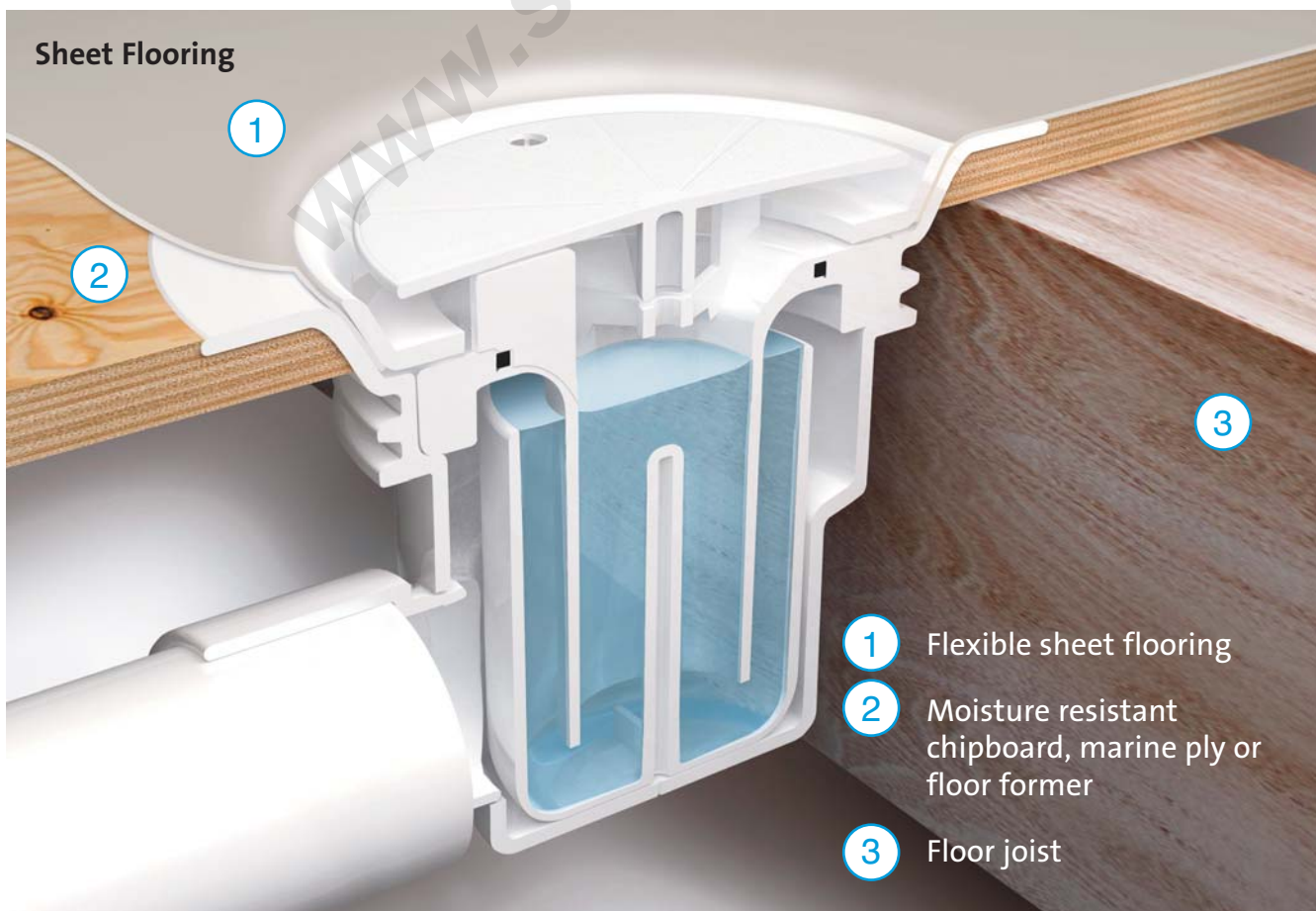
- Set the Gully into the floor and ensure that the top surface of the Gully Flange is flush with, or slightly below, the floor surface on which the flooring is to be laid
- Ensure the Gully Body is fully supported, do not rely solely on the Gully Flange for support
- A watertight seal between the underside of the sheet flooring and the Gully Flange must be achieved with the use of a neutral sealant (not an acetoxyl sealant) prior to the Clamp Ring being screwed into position

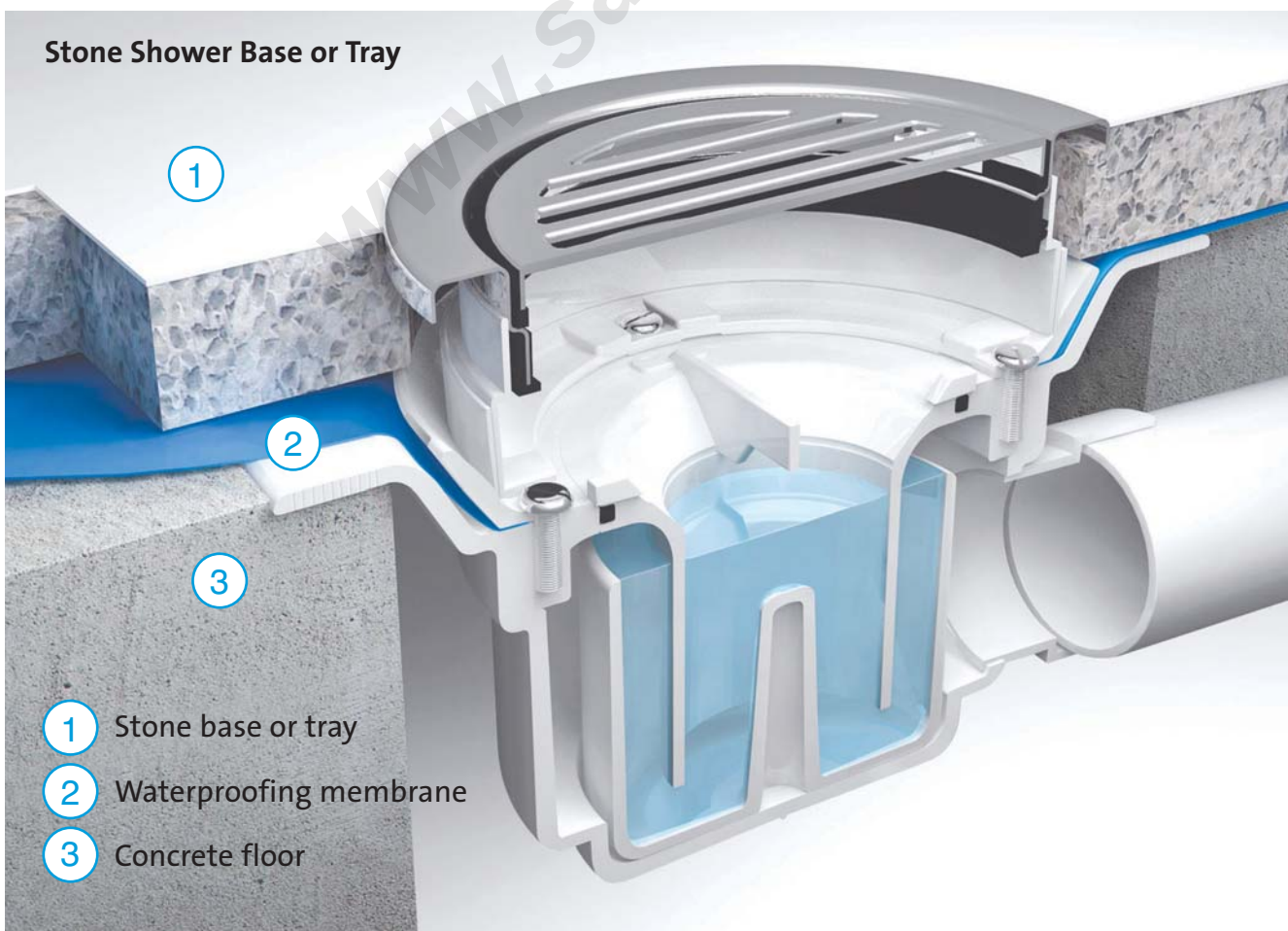
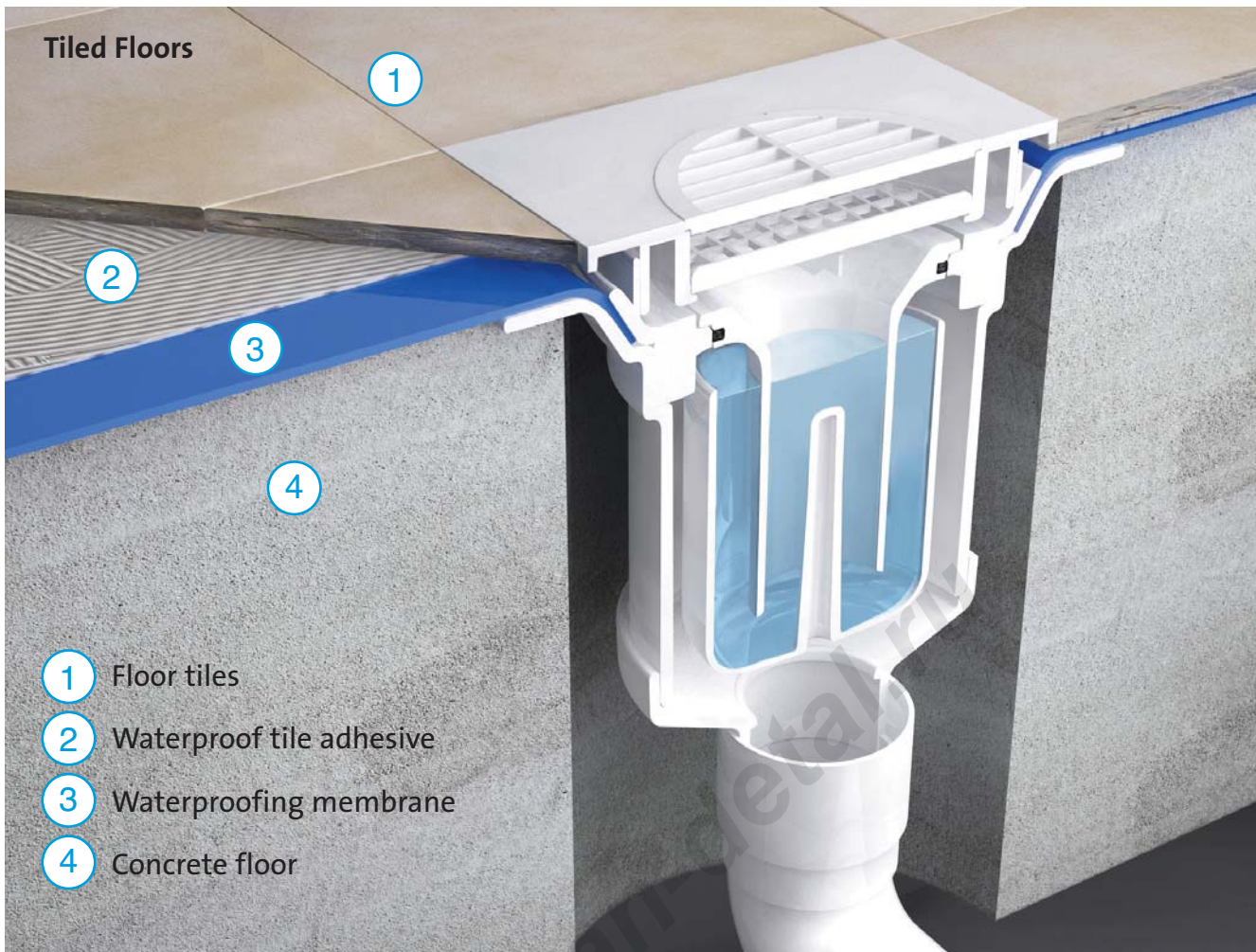
Tiled Floors

- The minimum dimension between the Gully Flange and top surface of the Gully Tile or Grating, which requires to be flush with the flooring, is 13mm. This dimension cannot be reduced but if required the gully Tile or Grating can be raised. To do this remove the centre from the Dust Cap/Extension Ring and solvent weld the Extension Ring to the upstand of the Clamp Ring. If additional height is required an appropriate length of 110mm soil pipe can be solvent welded between the Extension Ring and the underside of the Gully Tile or Grating
- Ensure the Gully Body is fully supported, do not rely solely on the Gully Flange for support
- A good quality waterproofing membrane should be employed to prevent water penetration to the floor structure. Ensure that the underside of the membrane is sealed to the Gully Flange and secured by the Clamp Ring to the Gully Body
- The Clamp Ring has weep holes to allow any moisture to discharge into the Gully

Stone Shower Bases and Trays

















- Gullies can be used with stone or marble shower bases and trays. The illustration shows how a 125mm Ø chrome plated stainless steel Grating can be connected to a 50mm water seal Gully
- A waterproofing membrane should be fitted between the Gully Body and the underside of the base or tray







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
Multifit Waste Fittings


	<table><tr><td>1¼"</td><td>1½"</td><td>2"</td></tr><tr><td>Code</td><td>Code</td><td>Code</td></tr></table>	1¼"	1½"	2"	Code	Code	Code		<table><tr><td>1¼"</td><td>1½"</td><td>2"</td></tr><tr><td>Code</td><td>Code</td><td>Code</td></tr></table>	1¼"	1½"	2"	Code	Code	Code									
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	<table><tr><td colspan="3">90° Bend</td></tr><tr><td>MS4</td><td>MT4</td><td>MZ4</td></tr></table>	90° Bend			MS4	MT4	MZ4		<table><tr><td colspan="3">Straight Connector Multifit x European pipe size</td></tr><tr><td>x 32mm</td><td>x 40mm</td><td>x 50mm</td></tr><tr><td>S28L-ISO</td><td>T28L-ISO</td><td>Z28L-ISO</td></tr><tr><td>x 40mm</td><td>-</td><td>-</td></tr><tr><td>ST28L-ISO</td><td>-</td><td>-</td></tr></table>	Straight Connector Multifit x European pipe size			x 32mm	x 40mm	x 50mm	S28L-ISO	T28L-ISO	Z28L-ISO	x 40mm	-	-	ST28L-ISO	-	-
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x 40mm	-	-																						
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	<table><tr><td colspan="3">90° Bend Multifit x 32mm European pipe size Ring Seal Pushfit</td></tr><tr><td>MS4-32MM</td><td>-</td><td>-</td></tr></table>	90° Bend Multifit x 32mm European pipe size Ring Seal Pushfit			MS4-32MM	-	-		<table><tr><td colspan="3">Adjustable Straight Connector</td></tr><tr><td>MS18E</td><td>MT18E</td><td>MZ18E</td></tr></table>	Adjustable Straight Connector			MS18E	MT18E	MZ18E									
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MS4-32MM	-	-																						
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MS18E	MT18E	MZ18E																						
	<table><tr><td colspan="3">90° Bend Solvent Weld x 32mm European pipe size Ring Seal Pushfit</td></tr><tr><td>MS4-32SOLVENT</td><td colspan="2">-</td></tr></table>	90° Bend Solvent Weld x 32mm European pipe size Ring Seal Pushfit			MS4-32SOLVENT	-			<table><tr><td colspan="3">Straight Connector Multifit x Plain End*</td></tr><tr><td>MS18L</td><td>MT18L</td><td>-</td></tr></table>	Straight Connector Multifit x Plain End*			MS18L	MT18L	-									
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	<table><tr><td colspan="3">90° Bend Multifit x Plain End*</td></tr><tr><td>MS4L</td><td>MT4L</td><td>MZ4L</td></tr></table>	90° Bend Multifit x Plain End*			MS4L	MT4L	MZ4L		<table><tr><td colspan="3">Swept Tee</td></tr><tr><td>V8M</td><td>V1M</td><td>V15M</td></tr></table>	Swept Tee			V8M	V1M	V15M									
90° Bend Multifit x Plain End*																								
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Swept Tee																								
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	<table><tr><td colspan="3">135° Bend</td></tr><tr><td>MS20</td><td>MT20</td><td>MZ20</td></tr></table>	135° Bend			MS20	MT20	MZ20		<table><tr><td colspan="3">1½" Equal Slip Tee with Universal Connections</td></tr><tr><td>-</td><td>V1MX</td><td>-</td></tr></table>	1½" Equal Slip Tee with Universal Connections			-	V1MX	-									
135° Bend																								
MS20	MT20	MZ20																						
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-	V1MX	-																						
	<table><tr><td colspan="3">135° Bend Multifit x Plain End*</td></tr><tr><td>MS20L</td><td>MT20L</td><td>MZ20L</td></tr></table>	135° Bend Multifit x Plain End*			MS20L	MT20L	MZ20L		<table><tr><td colspan="3">Reducer for Fittings*</td></tr><tr><td>1½" x 1¼"</td><td>T12M</td><td>-</td></tr><tr><td>2" x 1¼"</td><td>-</td><td>ZS26L</td></tr><tr><td>2" x 1½"</td><td>-</td><td>ZT26L</td></tr></table>	Reducer for Fittings*			1½" x 1¼"	T12M	-	2" x 1¼"	-	ZS26L	2" x 1½"	-	ZT26L			
135° Bend Multifit x Plain End*																								
MS20L	MT20L	MZ20L																						
Reducer for Fittings*																								
1½" x 1¼"	T12M	-																						
2" x 1¼"	-	ZS26L																						
2" x 1½"	-	ZT26L																						
	<table><tr><td colspan="3">Straight Connector</td></tr><tr><td>S28M</td><td>T28M</td><td>Z28M</td></tr></table>	Straight Connector			S28M	T28M	Z28M		<table><tr><td colspan="3">2" x 19/23mm - TUN-2</td></tr></table>	2" x 19/23mm - TUN-2														
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	<table><tr><td colspan="3">Straight Connector 1¼" x 1½"</td></tr><tr><td>-</td><td>ST28M</td><td>-</td></tr></table>	Straight Connector 1¼" x 1½"			-	ST28M	-																	
Straight Connector 1¼" x 1½"																								
-	ST28M	-																						


■ Fittings marked* have plain ends which are designed to fit into other Fittings or Traps with Multifit or Universal Connection


	1¼"	1½"	2"
	Code	Code	Code
	Reducer in ABS* 1¼" Plain Tail to BS EN 1329-1:2000 x 19/23mm Universal Connection		
	R16	-	-


	Reducer in ABS* 1½" Plain Tail to BS EN 1329-1:2000 x 19/23mm Universal Connection		
	-	R17	-


	Rubber Reducer 1¼" x 1"/28mm		
	T12R	-	-


	Straight Connector Multifit x BSP female thread		
	S29	T29	Z29


	Straight Connector Multifit x BSP coupling nut		
	S29-LN	T29-LN	-

	90° Bend Multifit x BSP coupling nut		
	S5M	T5M	Z5M

	95° Bend Multifit x BSP coupling nut		
	S5M-A	T5M-A	-


	135° Bend Multifit x BSP coupling nut		
	-	ST90-OUT	-


	1¼"	1½"	2"
	Code	Code	Code
	Straight Connector BSP male thread x Multifit		
	S31M	T31M	-


	Multifit Tank Connector		
	S11M	T11M	Z11M

	Multifit Bent Tank Connector		
	MS4-TANK MT4-TANK MZ4-TANK		

	Blank Cap without nut		
	S23M	T23M	Z23M

	Straight Connector 2" BSP male thread x Multifit		
	2" BSP x 1¼" Multifit	ZS31M	
	2" BSP x 1½" Multifit	ZT31M	
	2" BSP x 2" Multifit	Z31M	

	2" Caulking Ferrule		
	S21A	T21A	Z21A

	In-Line Connector with Filter - Top Access Universal Connection x ABS Plain Spigot BS EN 1329-1:2000		
	-	T28M-FIL	-

	Loose Nut		
	S8M	T8M	Z8M

Flexible Waste Fittings

Flexible Connector offers maximum flexibility when conventional Fittings cannot be used

- Maximum effective length 18"
- Plain Spigot to suit Multifit and Universal Outlet Traps or Waste Fittings
- Universal Outlet Connection



1¼" Code	1½" Code	2" Code
FLEXCON1	FLEXCON2	-

Flexible Fittings

- These Fittings offer complete flexibility for any required angle or offset



Universal Connection x Universal Connection

FLEXCON3	FLEXCON4	FLEXCON7
----------	----------	----------

Universal Connection x PVC Plain Spigot to BS EN 1329-1:2000

FLEXCON5	FLEXCON6	FLEXCON8
----------	----------	----------

Non-Return Valves and Sundry

Non-Return Valves



1¼" Code	1½" Code	2" Code
-	T28M-NRV	-

In-Line Non-Return Valve with 1½" Multifit Connections and top access for cleaning



-	-	Z28M-NRV
---	---	----------

In-Line Non-Return Valve with 2" Universal Connections and top access for cleaning



-	-	Z28M-NRVS
---	---	-----------

In-Line Non-Return Valve with 2" BS EN 1329-1:2000 Solvent Weld Connections and top access for cleaning

- Non-Return Valves are designed to prevent a back flow of water. They must only be used when there is no alternative and on the basis that they are cleaned regularly

Sundry Fittings



90° Bend with BSP male thread x BSP coupling nut

S1	T1	Z1
----	----	----



BSP Nut Ordinary

S8A	T8A	Z8A
-----	-----	-----

BSP Nut Compression

S8B	T8B	Z8B
-----	-----	-----




Compression Ring for Imperial Copper


S13	T13	-
-----	-----	---




BSP Coupling to BS EN 1329-1:2000 ABS or PVC pipe, must be solvent welded


S25	T25	-
-----	-----	---


	1¼"	1½"	2"
	Code	Code	Code
	Trap Inlet Reducer		
1¼" x 1"	S16	-	-
1½" x 1¼"	T16	-	-


	Blank Cap with nut for BSP threads		
	S23	T23	Z23


BSP Female x BSP Male Couplings


	1¼"	1½"
	Code	Code
	BSP Coupling	
1" length	S12A-1	T12A-1
2" length	S12A-2	T12A-2
3" length	S12A-3	T12A-3


	BSP Coupling Flush Spigot European to UK Waste Adaptor	
	S12A-F	T12A-F

	BSP Coupling	
1¼" x 1"	S12C	-
1" x ¾"	S12D	-



	BSP Coupling Waste Outlet Reducer	
1½" x 1¼"	-	T12



	BSP Coupling	
1¾" x 1½"	-	T12B
2" x 1½"	-	T12C
2" x 1¼"	-	T12D
1½" x 1"	-	T12H


	BSP Coupling	
1½" x 2"	-	T12E
1½" x 1¾"	-	T12F

	1¼"	1½"
	Code	Code
	7" Extension Piece effective length 5". Available longer or shorter on application	
	-	S22L T22L





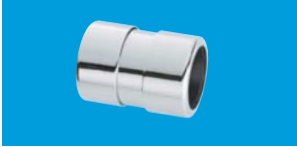





Mechanical Soil and Rainwater Pipe Boss Connectors

	Mechanical Soil and Rainwater Pipe Boss Connector for 1¼" pipe	
	Code	BOSSCONN1.25BL
	Code	BOSSCONN1.25GR

	Reducer in ABS 1¼" Plain Tail x 19/23mm Universal Connection	
	Code	R16-BL
	Code	R16-GR

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

Chrome Plated Brass Waste Pipe and Fittings

	32mm Code	35mm Code	42mm Code
	1m length of CP Brass Pipe European pipe size PIPE32-1000-CB	1¼" UK pipe size PIPE35-1000-CB	1½" UK pipe size PIPE42-1000-CB
	90° Compression Bend		
	32A-CB	35A-CB	42A-CB
	135° Compression Bend		
	-	35B-CB	42B-CB
	Compression Tee		
	-	-	42E-CB
	Compression Straight Connector		
	32G-CB	35G-CB	42G-CB
	Wall Flange		
	WALLFLANGE-CP32	WALLFLANGE-CP35	WALLFLANGE-CP42
	Synthetic Rubber Seal Reducers for above Fittings		
		R/SEAL-35X32	R/SEAL-42X32 R/SEAL-42X35
	ABS Solvent Weld Adaptor to convert above Fittings to BS EN 1329-1:2000 plastic solvent weld waste pipe		
	ABSCON-32X1.25	ABSCON-35X1.25	ABSCON-42X1.5
	90° Bend 1¼" Multifit x 32mm European pipe size Code MS4-ISO		90° Bend 1¼" Multifit x 32mm European pipe size Ring Seal Pushfit Code MS4-32MM
	Straight Connector 1¼" Multifit x 32mm European pipe size Code S28L-ISO		90° Bend 1¼" Solvent Weld x 32mm European pipe size Ring Seal Pushfit Code MS4-32SOLVENT

- For Multifit Fittings suitable for use with 35mm and 42mm external diameter pipe see pages 48 and 49
- For Chrome Plated Traps see pages 6, 7 and 18

1¼"	1½"	2"
Code	Code	Code
HDPE White Pipe 3m lengths		
HD1-3M	HD2-3M	HD3-3M

Pipe Clip		
S30	T30	Z30

90° Bend		
S4L	T4L	-

135° Bend		
S20L	T20L	-

Straight Connector		
S18L	T18L	Z18L

Straight Connector Multifit x Surefit		
S28L	T28L	Z28L

Reducer 1½" to 1¼"		
-	T12L	-

Blank Cap without nut		
S23L	T23L	Z23L

Reducer for Fittings		
2"-1¼"	1½"-1¼"	2"-1½"
S26L	T12S	T26L

1¼"	1½"
Code	Code
Swept Tee	
V8L	V1L

Swept Tee	
1½" x 1½" x 1¼"	V21L

Swept Tee Surefit x 19mm pushfit branch	
1½" x 1½" x ¾"	V23L
1¼" x 1¼" x ¾"	V24L

Swept Tee BSP nut x BSP thread x Nozzle for discharge hose of domestic appliance	
1½" x 1½" x ¾"	V33L
1¼" x 1¼" x ¾"	V34L

Tee Piece BSP nut x BSP thread x 135° Nozzle for discharge hose of domestic appliance	
1½" x 1½" x ¾"	V33S

1¼"	1½"	2"
Code	Code	Code

90° Connector to soil pipe boss BS EN 1451-1:2000 size*		
S4M	T4M	-

135° Connector to soil pipe boss BS EN 1451-1:2000 size*		
S20M	T20M	-

Straight Connector to soil pipe boss BS EN 1451-1:2000 size*		
S18M	T18M	Z18M

Flange for HDPE Pipe		
S17	T17	-

- *BS 5254 size - if connecting to boss size BS 5255 add 5255 to code e.g. S4M 5255
- Surefit Waste Fittings only suitable for M^CAlpine HDPE Waste Pipe

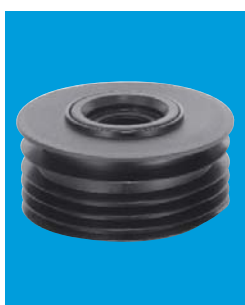
Drain Connectors and Blanking Off Caps



4"/110mm x 4"/110mm Connector with 'O' Seal Socket to fit 4"/110mm Ø pipe to BS 4514

Colour: Black **DC1-BL**

Colour: Grey **DC1-GR**



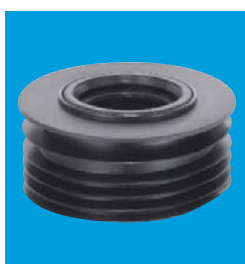
4"/110mm x 1 1/4" and 1 1/2" Connector with Sealing Ring to fit 1 1/4" and 1 1/2" plastic waste pipe to BS EN 1451-1:2000 and BS EN 1329-1:2000

Code **DC2-BL**



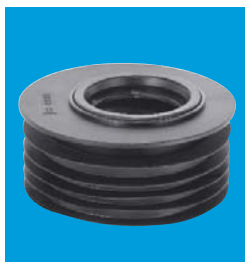
4"/110mm x 1 1/4" and 1 1/2" Connector with Offset Sealing Ring to fit 1 1/4" and 1 1/2" plastic waste pipe to BS EN 1451-1:2000 and BS EN 1329-1:2000

Code **DC2BL-OS**



4"/110mm x 2" Connector with Sealing Ring to fit 2" plastic waste pipe to BS EN 1451-1:2000 and BS EN 1329-1:2000

Code **DC3-BL**



4"/110mm x 2" Connector with Offset Sealing Ring to fit 2" plastic waste pipe to BS EN 1451-1:2000 and BS EN 1329-1:2000

Code **DC3BL-OS**



4"/110mm Blank Cap suitable for sealing cast iron, plastic or clay 4"/110mm Ø pipe

Code **DC4-BL**

Drain Connector with Boss

- Manufactured in polypropylene
- Finned seal spigot for internal connection to cast iron, plastic or clay 4"/110mm pipe
- Ideal for low level connections



4"/110mm x 4"/110mm Connector with 'O' Seal Socket to fit 4"/110mm Ø pipe to BS 4514 and 1 1/2" Universal Pipe Boss including Blanking Cap

Colour: Black **DC1-BL-BO**

Colour: Grey **DC1-GR-BO**

Temporary Blanking Off Caps



Synthetic Rubber Cap for 110mm Ø soil pipe

Code **CAP100**



1 1/4" Code	1 1/2" Code	2" Code
S23MR	T23MR	Z23MR

Synthetic Rubber Cap for waste pipe

S23MR T23MR Z23MR

General

- MacFlash Aluminium Roof Flashing offers an alternative to traditional lead roof slates
- The Aluminium Flashing is manufactured from high grade aluminium and the Collar from synthetic rubber, both to British Standards. The Collar is die-formed to the Aluminium Flashing

Advantages

- MacFlash is quickly and easily installed and offers cost savings in material and labour
- MacFlash is suitable for flat roofs and for roof pitches up to 45°
- MacFlash has special corrugations that can be easily dressed to form a seal
- MacFlash can be used with flue pipes from condensing boilers

Nominal Pipe Size 4"/110mm pipe
Base Measurements 18" x 18"

Code	RS1
------	------------

Nominal Pipe Size 3"/75mm pipe
Base Measurements 18" x 18"

Code	RS4
------	------------

Nominal Pipe Size 4"/110mm pipe
Base Measurements 18" x 24"

Code	RS2
------	------------

Nominal Pipe Size 2"/50mm pipe
Base Measurements 18" x 18"

Code	RS7
------	------------

Nominal Pipe Size 4"/110mm pipe
Base Measurements 24" x 24"

Code	RS3
------	------------



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Plastic Overflow Pipe and Fittings






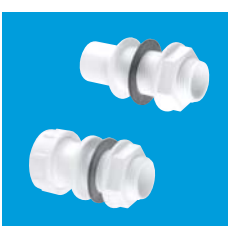
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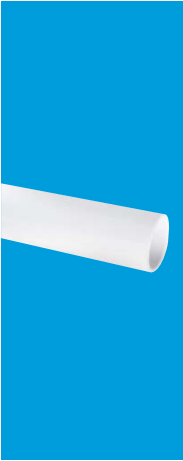




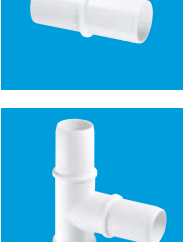

Plastic Overflow Pipe and Fittings



3/4" Overflow Pipe, Pushfit and Universal Fittings

	Code	
	HDPE White Overflow Pipe 3m lengths	
	R-3M	
	Straight Connectors	
	Pushfit	R1
	Universal	R1M
	90° Bends	
	Pushfit	R2
	Universal	R2M
	135° Bends	
	Pushfit	R2A
	Universal	R2AM
	Tees	
	Pushfit	R3
	Universal	R3M
	Straight Tank Connectors	
	Pushfit	R4
	Universal	R4M




	Code	
	Bent Tank Connectors	
	Pushfit	R5
	Universal	R5M
	Bent Tank Connector 3/4" BSP threaded outlet	
	FTC1AWH	
	Straight Female Coupling with fixed nut	
	R6	
	Straight Female Coupling with loose nut	
	R6A	
	Straight Female Coupling with fixed nut for converting male BSP outlets to Pushfit Fittings	
	R7	
	90° Female Coupling with loose nut	
	R8A	
	ABS Adaptor to convert 19mm connections up to 23mm OD pipe	
	R13	
	Reducer in ABS 1 1/4" Plain Tail to BS EN 1329-1:2000 x 19/23mm Universal Connection	
	R16	
	Reducer in ABS 1 1/2" Plain Tail to BS EN 1329-1:2000 x 19/23mm Universal Connection	
	R17	


	1 1/4" Code	1 1/2" Code
	LDPE White Pipe 6m lengths for cold water usage only	
	LD1-6M	LD2-6M
	HDPE White Pipe 3m lengths	
	HD1-3M	HD2-3M
	Pipe Clip	
	S30	T30
	90° Bend	
	S4A	T4A
	90° Knuckle Bend	
	S4E	T4E
	90° Bend x BSP coupling nut	
	S5	T5
	Straight Connector	
	S18	T18
	Tee	
	V8	V1

	1 1/4" Code	1 1/2" Code
	Adaptor	
	S7	T7
	BSP Screwed Adaptor	
	S9	T9

Standing Waste Backnut Model

	All Standing Wastes are supplied with Backnut and Washers	
	Standard length of Stand Pipe 18"	
	When ordering state: (1) Code (2) Height required if not 18"	
	1 1/4" x 70mm Flange x 3 1/2" Tail	
	Code	SWL-18
	1 1/2" x 70mm Flange x 3 1/2" Tail	
	Code	TWL-18
	1 1/4" x 70mm Flange x 1 1/2" Tail	
	Code	SWS-18
	1 1/2" x 70mm Flange x 1 1/2" Tail	
	Code	TWS-18

Tank Overflow

	Unslotted Waste without Grid	
	1 1/4" x 70mm Flange x 3 1/2" Tail	
	Code	W10
	1 1/2" x 70mm Flange x 3 1/2" Tail	
	Code	W20
	1 1/4" x 70mm Flange x 1 1/2" Tail	
	Code	W11
	1 1/2" x 70mm Flange x 1 1/2" Tail	
	Code	W21

Water Storage Cistern Fittings (Ex Bye-law 30 Fittings)



$\frac{3}{4}$ " Code	1" Code	1 $\frac{1}{4}$ " Code	1 $\frac{1}{2}$ " Code	2" Code
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Complete Screened Tank Overflow Connector with quick release Filter - Standard model

R30	H28	R40	R45	-
-----	-----	-----	-----	---



Complete Screened Tank Overflow Connector with quick release Filter - Extended model

R30E	-	R40E	R45E	-
------	---	------	------	---



Screened Tank Breather

R31	-	SWLFBR	TWLFBR	ZWLFBR
-----	---	--------	--------	--------



Screened Breather/Filter with compression joint to pipe

R32	-	-	-	-
-----	---	---	---	---



Tank Lid Adaptor for expansion pipe

R33	-	-	-	-
-----	---	---	---	---



2 Way Expansion Pipe Adaptor

R34	-	-	-	-
-----	---	---	---	---



Tank Connector

R4M	H11M	S11M	T11M	Z11M
-----	------	------	------	------



$\frac{3}{4}$ "
Code

1"
Code

1 $\frac{1}{4}$ "
Code

1 $\frac{1}{2}$ "
Code

2"
Code

Complete $\frac{3}{4}$ " BL30 Kit comprising R30, R31, R33

BL30-3/4

-

-

-

-



Screened Breather/Filter/Frost Cover with compression joint to pipe

-

-

SWLFCV

TWLFCV

-



In-Line Screened/Filter Pipe Coupling

RWILF

HWILF

SWILF

TWILF

ZWILF



Frost Protection Dip Tube Bend

Connect pipe to provide length of Dip Tube required

-

-

S5

T5

Z5M



90° Multifit x Plain End

-

-

MS4L

MT4L

MZ4L



90° Multifit Bend

-

-

MS4

MT4

MZ4

Tun Dishes and Non-Return Valves

Tun Dishes



Tun Dish with 3/4" Pushfit Outlet

Code

TUN-1



Tun Dish with 19/23mm Universal Outlet

TUN-2



One Piece Tun Dish with 19/23mm Universal Outlet

TUN-3

Chrome Plated

TUN-3CP



One Piece Tun Dish with 19/23mm Universal Outlet

TUN-4

Chrome Plated

TUN-4CP



One Piece Tun Dish with 19/23mm Universal Inlet x 1 1/4" Universal Outlet

TUN-6

Non-Return Valves for WC Overflow



Tunvalve (Clear) with 3/4" female thread for connection to WC overflow outlet x 19/23mm Universal Outlet

TUNVALVE



Tunvalve Straight Through (Clear) with 19/23mm Universal Connections

TUN5-CL

Non-Return Valves



Non-Return Valve with 19/23mm Universal Connections

R28-NRV



90° Elbow with integral Non-Return Valve Plain Tail Inlet x 19/23mm Universal Outlet

R29-NRV

In-Line Non-Return Valves



Convolve Non-Return Valve with 1 1/4" Universal Connections to take pressure-relief discharge from pressurised hot water cylinders

CONVALVE-125



Convolve Non-Return Valve 1 1/4" Plain Tail x 1 1/4" Universal Outlet to take pressure-relief discharge from pressurised hot water cylinders

CONVALVE-125P

WC Overflow Kits with Tun Dish -
Overflow into Flush Pipe

■ Before installation relaxation of Bye-law 84 is required by Local Water Authority



WC Overflow Kit comprises TUN-2, V33T, 90° Pushfit Elbow and two ¾" x 12" lengths of overflow pipe

■ Not suitable for use with high level cisterns

TUNKIT-1

WC Overflow Kit comprises TUN-3, V33T, 90° Pushfit Elbow and two ¾" x 12" lengths of overflow pipe

■ Not suitable for use with high level cisterns

TUNKIT-3

Tee Pieces



Tee Piece 1½" BSP nut x 1½" x 19/23mm Universal Connection

■ Not suitable for use with high level cisterns

V33T



Tee Piece with Universal Connection to flush pipe at both ends x 19/23mm Universal Connection

■ Not suitable for use with high level cisterns

V33T-FP



Tee Piece 1½" BSP nut x 1½" BSP thread x 19/23mm Universal Connection

■ Not suitable for use with high level cisterns

V33S-22



Overflow into Bath



WC Overflow Kit comprises TUN-4, 90° Elbow with integral Non-Return Valve, 1½" Combined Waste and Overflow for bath with 19/23mm Universal Connection for overflow pipe

Code	TUNFLOW1
------	----------



WC Overflow Kit comprises TUN-3, 1½" Combined Waste and Overflow for bath with 19/23mm Universal Connection for overflow pipe

Code	TUNFLOW2
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WC Connectors

SECTION

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WC Connectors

WC Connectors

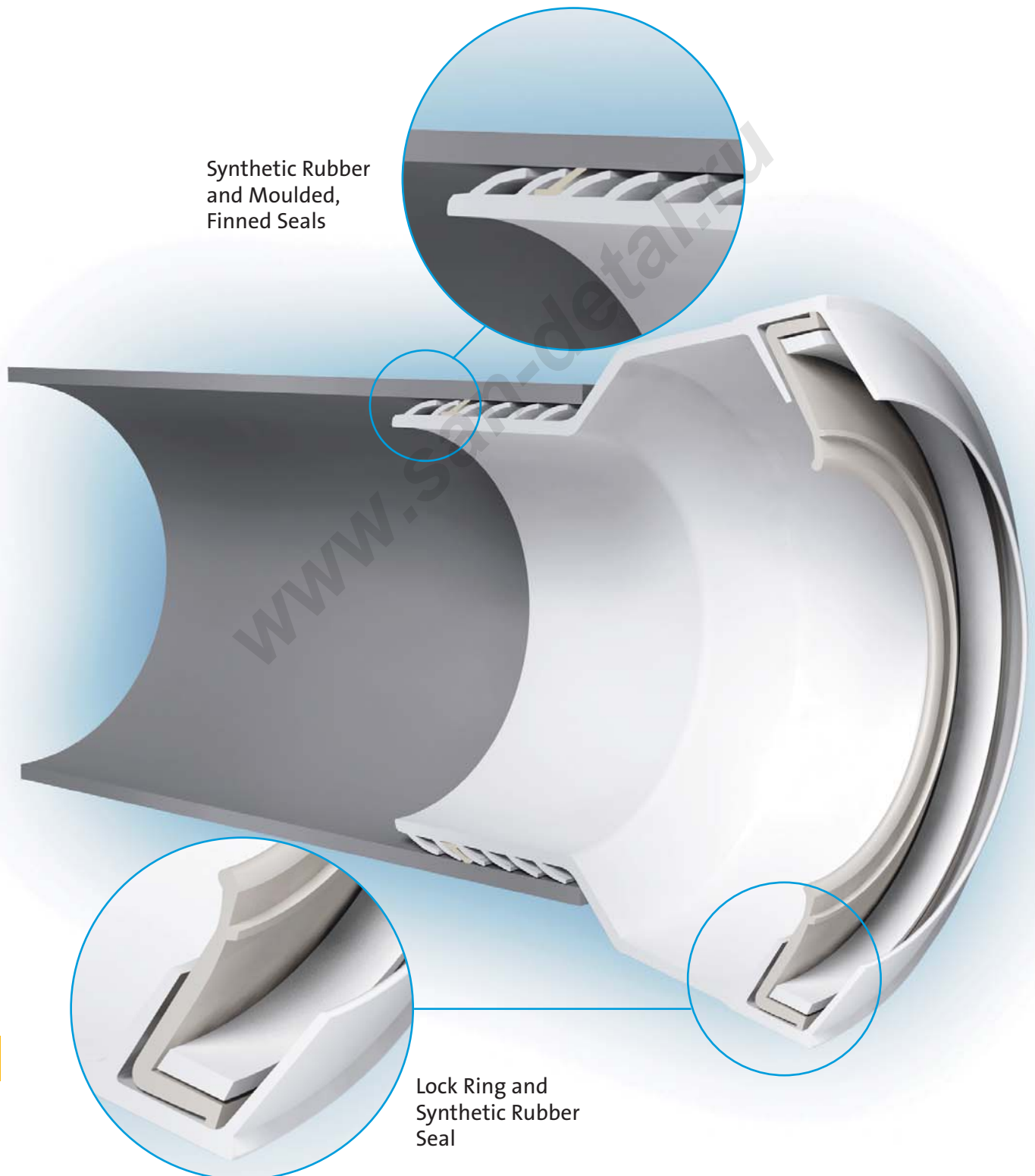
WC Connectors General

- M^CAlpine is the only European Manufacturer to offer EVA (Ethylene Vinyl Acetate), Rigid Polypropylene and Flexible Polypropylene WC Connectors
- Dimensional leaflet for all WC Connectors available on request

MACFIT

- MACFIT WC Connectors are manufactured in EVA with synthetic rubber and moulded, finned seals
- MACFIT incorporates a new 'Lock Ring' inlet seal (Patent Pending) to give a superior, tighter connection to the WC pan outlet

MACFIT WC Connectors





Straight
90-112mm Inlet
4"/110mm Outlet

Code **MAC-1**



Straight
90-112mm Inlet
3 1/2"/90mm Outlet

Code **MAC-3**



Straight
90-112mm Inlet
3"/75mm Outlet

Code **MAC-3C**



20mm Offset
90-112mm Inlet
4"/110mm Outlet

Code **MAC-4**



40mm Offset
90-112mm Inlet
4"/110mm Outlet

Code **MAC-4A**



14° Angle
90-112mm Inlet
4"/110mm Outlet

Code **MAC-7A**



90° Bend
90-112mm Inlet
4"/110mm Outlet

Code **MAC-8**



90° Bend (Long)
90-112mm Inlet
4"/110mm Outlet

Code **MAC-8L**



Straight Extension
Adjustable Length
4"/110mm Outlet

Code **MAC-EXTA**



Straight Extension
Adjustable Length
3 1/2"/90mm Outlet

Code **MAC-EXTB**



Straight Extension
Adjustable Length
3"/75mm Outlet

Code **MAC-EXTC**



Linking Connector
Adjustable Length
(Polypropylene)

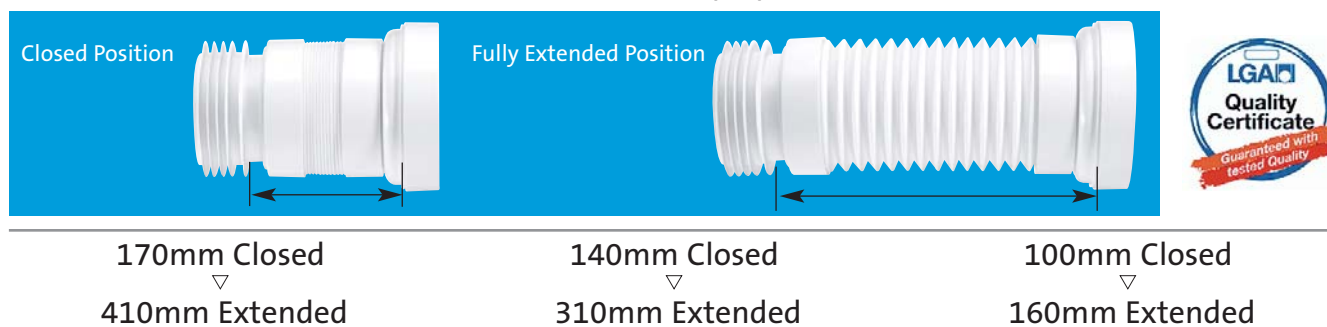
Code **MACLINK**



Code **MAC-1**

Flexible WC Connectors

- There is no British Standard for Flexible WC Connectors but MCA Alpine Connectors comply to German Standard DIN 1389:2000-05 for Flexible WC Connectors
- Tested by German Testing House LGA, Certificate Number 0120208-02 and other Testing Houses. Tests prove conclusively that there is no build-up of sediment and the product is perfectly fit for purpose



97-107mm Inlet 4"/110mm Outlet



WC-F26R



WC-F23R



WC-F18R

90-114mm Inlet 4"/110mm Outlet 1¼" Universal Vent Boss



WC-F26RV



WC-F23RV

97-107mm Inlet 3½"/90mm Outlet



WC-F26S



WC-F23S



WC-F18S

90-114mm Inlet 3½"/90mm Outlet 1¼" Universal Vent Boss



WC-F26SV



WC-F23SV

170mm Closed
▽
410mm Extended

140mm Closed
▽
310mm Extended

90-114mm Inlet 110mm Ø Plain End Outlet



WC-F26P



WC-F23P

90-114mm Inlet 110mm Ø Plain End Outlet 1¼" Universal Vent Boss



WC-F26PV



WC-F23PV



Flexible Extensions for WC Connectors

- Flexible Extensions suit all MCApine Rigid and MACFIT WC Connectors



Closed	Extended
95mm	195mm
110mm Inlet 4"/110mm Outlet	
Code	EXTA-F



Closed	Extended
95mm	195mm
110mm Inlet 3½"/90mm Outlet	
Code	EXTB-F

Patents Pending

Flexible WC Connectors for Back to Wall WC Pan

- Flexible Connectors provide a secure and reliable connection to the WC pan spigot prior to the final placement against wall or furniture



Closed	Extended
150mm	310mm
90-114mm Inlet 4"/110mm Outlet	
Code	WC-F21R



Closed	Extended
150mm	310mm
90-114mm Inlet 3½"/90mm Outlet	
Code	WC-F21S

Patents Pending

90° Flexible WC Connectors



Closed	Extended
170mm	250mm
90-114mm Inlet 4"/110mm Outlet	
Code	WC-CON8F18



215mm	415mm
90-114mm Inlet 4"/110mm Outlet	
Code	WC-CON8F



215mm	415mm
90-114mm Inlet 4"/110mm Outlet 1¼" Universal Vent Boss	
Code	WC-CON8FV

Rigid WC Connectors

■ Dimensional leaflet available on request



Straight
90-114mm Inlet
4"/110mm Outlet

Code **WC-CON1**



Straight with Vent Boss
90-114mm Inlet
4"/110mm Outlet

Code **WC-CON1V**



Straight Adjustable Length
90-114mm Inlet
4"/110mm Outlet

Code **WC-CON2**



Straight Adjustable Length
90-114mm Inlet
3½"/90mm Outlet

Code **WC-CON2B**



Straight Adjustable Length
90-114mm Inlet
110mm Ø Plain End Outlet

Code **WC-CON3**



20mm Offset
90-114mm Inlet
4"/110mm Outlet

Code **WC-CON4**



40mm Offset
90-114mm Inlet
4"/110mm Outlet

Code **WC-CON4A**



40mm Offset
90-114mm Inlet
110mm Ø Plain End Outlet

Code **WC-CON4B**



20mm Offset Adjustable Length
90-114mm Inlet
4"/110mm Outlet

Code **WC-CON5**



24mm Offset Adjustable Length
90-114mm Inlet
3½"/90mm Outlet

Code **WC-CON5B**



20mm Offset Adjustable Length
90-114mm Inlet
110mm Ø Plain End Outlet

Code **WC-CON6**



14° Angle Adjustable Length
90-114mm Inlet
4"/110mm Outlet

Code **WC-CON7**



14° Angle
90-114mm Inlet
4"/110mm Outlet

Code **WC-CON7A**



14° Angle Adjustable Length
90-114mm Inlet
3½"/90mm Outlet

Code **WC-CON7B**



45° Angle
90-114mm Inlet
4"/110mm Outlet

Code **WC-CON16**



90° Bend
Adjustable Length
90-114mm Inlet
4"/110mm Outlet

Code **WC-CON8**



90° Space Saving
Bend
Adjustable Length
90-114mm Inlet
4"/110mm Outlet

Code **WC-CONQ**



90° Bend
Adjustable Length
with Vent Boss
90-114mm Inlet
4"/110mm Outlet

Code **WC-CON8V**



90° Space Saving
Bend
Adjustable Length
90-114mm Inlet
110mm Ø Plain End
Outlet

Code **WC-CONQP**



90° Bend
Adjustable Length
Extended Inlet
90-114mm Inlet
4"/110mm Outlet

Code **WC-CON8E**



90° Bend
Adjustable Length
90-114mm Inlet
110mm Ø Plain End
Outlet

Code **WC-CON9**



90° Bend
Adjustable Length
with Vent Boss
90-114mm Inlet
110mm Ø Plain End
Outlet

Code **WC-CON9V**

Extension Pieces



Straight Extension
Adjustable Length
4"/110mm Outlet

Code **WC-EXTA**



Straight Extension
Adjustable Length
3 1/2"/90mm Outlet

Code **WC-EXTB**



10mm Offset
Extension
Adjustable Length
4"/110mm Outlet

Code **WC-EXTC**



10mm Offset
Extension
Adjustable Length
3 1/2"/90mm Outlet

Code **WC-EXTD**



Anti Cross-Flow and Rodent Barrier Valve

- Will prevent cross-flow if fitted to WC pans that are installed back to back
- For use where special measures are necessary for control of rodents as recommended in Approved Document H1 The Building Regulations 2000 (2002 edition)
- Manufactured in black polypropylene to prevent light penetration
- Prevents rodents from entering building through WC
- For use with any M^CAlpine Rigid or Flexible WC Connector with 4"/110mm rubber outlet seal
- Can be installed in horizontal or vertical position



Open Position



Closed Position

Code **ARB-1**

Boss Pipe for use with WC Connectors

- Finned seal spigot for internal connection to cast iron, plastic or clay 4"/110mm pipe
- Ideal for low level connections



3½"/90mm x 4"/110mm Connector with 'O' Seal Socket to fit any M^CAlpine Rigid or Flexible WC Connector with 4"/110mm rubber outlet seal when rubber seal is removed. With 1½" Universal Pipe Boss including Blanking Cap

Code **WC-BP1**

WC Connector Wall Flange



To fit over 110mm pipe

Code **WC17-110**

To fit over Collar of Flexible WC Connector

Code **WC17-114**

Air Admittance Valves (Ventapipe)

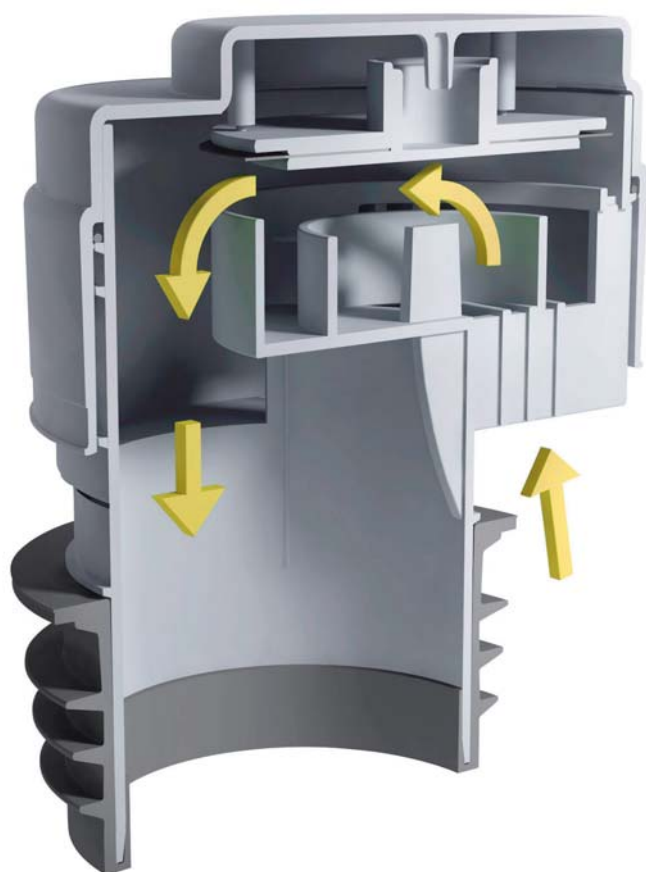
SECTION

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Air Admittance Valves (Ventapipe)

Air Admittance Valves (Ventapipes)



Valve Open



Valve Closed

Code **VP100**

Ventapipes 100 and Ventapipes 50 Application

Ventapipes 100 and Ventapipes 50 Air Admittance Valves are for use in above ground drainage systems. They are designed to:

- Provide a means of ventilation to the drainage system under conditions of reduced pressure when ventilating pipes are terminated inside buildings in accordance with BS EN 12056-2:2000

Operation

The two diagrams illustrate how Ventapipes functions. The Valve Diaphragm lifts and allows air to be drawn into the system when it is subjected to negative pressure. On cessation of negative pressure the Diaphragm returns to the closed position thereby preventing the escape of foul air into the building

The Valve is designed to open and close spontaneously when required thereby allowing a supply of air to adequately ventilate the system thus ensuring a smooth discharge

Approval

Approved Document H of The Building Regulations 2000 (2002 edition) requires that Air Admittance Valves comply with BS EN 12380:2002

All M^CAlpine Ventapipes Air Admittance Valves listed have been independently tested by the LGA Testing House and certified as being compliant with BS EN 12380:2002 and designated as Class A1

This means that Ventapipes can be installed:

- Above or below the flood level of connected appliances
- Ventapipes has an operating temperature range of -20°C to + 60°C
- Ventapipes was granted A1 Classification without the necessity of a polystyrene cover
- Ventapipes have been tested at -250 Pa for their Air Flow Capacity and the Flow Rate is stated alongside each Valve listed

Quality Certificate

The LGA Quality Certificate certifies a product's high and consistent quality. It confirms the performance capability (functional characteristics, wear and tear and service life) of a product and therefore its comprehensive quality. Annual production inspections ensure its consistent quality. Whenever the LGA Quality Certificate is on a product it ensures it has been thoroughly tested



Advantages

- Ventapipe enables ventilating pipes to be terminated inside the building thereby avoiding roof penetration
- Ventapipe allows greater flexibility in design of new drainage systems
- Ventapipe allows greater flexibility when installing additional appliances to existing drainage systems
- Ventapipe eliminates problems of freezing associated with external pipes
- Ventapipe is suitable for use with either plastic or metal pipes
- Ventapipe offers cost savings in both material and labour

Information for General Guidance only

- Underground foul drainage should be ventilated by a flow of air. A ventilating pipe should be provided at or near the head of each main drain
- An open ventilating pipe, without an Air Admittance Valve, should be provided on any drain fitted with an intercepting trap, particularly on a sealed system and on any drain subject to surcharge
- Air Admittance Valves should not be used when the soil stack provides the only ventilation to septic tanks or cesspools
- Air Admittance Valves should not be used where there is no open ventilation on a drainage system or through connected drains and therefore alternative arrangements to relieve positive pressures should be considered
- Air Admittance Valves should not be used outside buildings or in dust laden atmospheres. They should be located preferably in a non

habitable space, such as a duct or roof. The space should have adequate ventilation and be accessible for maintenance

- Air Admittance Valves should be removable to give access for clearance of blockages
- Air Admittance Valves can indicate the probability of blockages within the drainage system. This can be indicated by high water levels in WC bowls following flushing and the slow draining of appliances upstream from the blockage
- Sizes and limitations upon the use of Air Admittance Valves are subject to national and local regulations and practice. If further detail is required check with the Local Authority Building Control Office
- Kinetic Ram Guns should not be used to shift blockages on installations where Air Admittance Valves are fitted as undue pressure and blowback may cause malfunction

Ventapipe 15, 25, 40 and 50 Application

VP15, 25, 40 and 50 Air Admittance Valves can be used as alternatives to Anti-Syphon and Resealing Traps to ventilate the waste pipe system in order to overcome problems such as noisy discharge or loss of trap seal caused by induced or self-syphonage. They are particularly advantageous when installing additional appliances to existing waste pipe(s)



Code **VP100**

Air Admittance Valves (Ventapipes)

	Code	Class	Air Flow Capacity (Litres per second)	Colour
	Ventapipe 100 with dual-fit synthetic rubber finger seal outlet for 3"/75mm or 4"/110mm soil pipe 4"/110mm soil pipe - push over rubber seal 3"/75mm soil pipe - push into rubber seal			
	VP100	A1	47.2	Grey
	Ventapipe 100 with Solvent Weld Outlet for 4"/110mm soil pipe			
	VP100N	A1	19.4	Grey
	Ventapipe 50 with dual-fit synthetic rubber finger seal outlet for 3"/75mm or 4"/110mm soil pipe. Also incorporates 2" Universal Outlet 4"/110mm soil pipe - push over rubber seal 3"/75mm soil pipe - push into rubber seal			
	VP50-100	A1	16.3	Grey
	Ventapipe 50 with dual-fit synthetic rubber finger seal outlet for 3"/75mm or 4"/110mm soil pipe 4"/110mm soil pipe - push over rubber seal 3"/75mm soil pipe - push into rubber seal			
	VP50P	A1	15.5	Grey
	Ventapipe 50 with 2" Universal Outlet			
	VP50	A1	14.2	Grey
	Ventapipe 40/50 Solvent Weld Outlet for 1½" or 2" BS EN 1329-1:2000 solvent weld waste pipe			
	VPSF-40/50	A1	3.0	White





Ventapipes 25 with 1½" BSP thread on outlet



Code	Class	Air Flow Capacity (Litres per second)	Colour
VP1	A1	3.0	Grey
VP1W	A1	3.0	White



Ventapipes 25 with 1½" Universal outlet



VP2	A1	3.0	Grey
VP2W	A1	3.0	White



Ventapipes 25 with integral 1½" Multifit Tee

VP3	-	4.5	White
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Ventapipes 25 with integral 1¼" Multifit Tee

VP4	-	2.0	White
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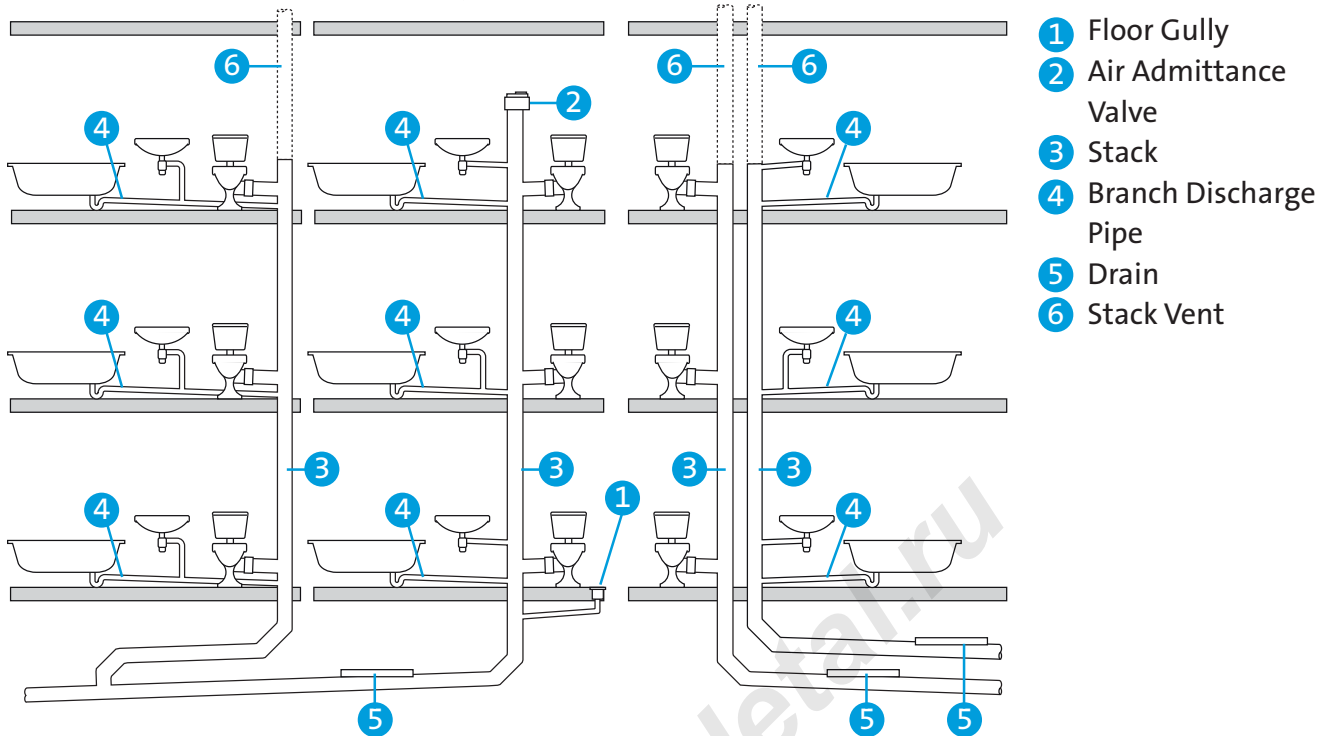


Ventapipes 15 with 1¼" Universal outlet

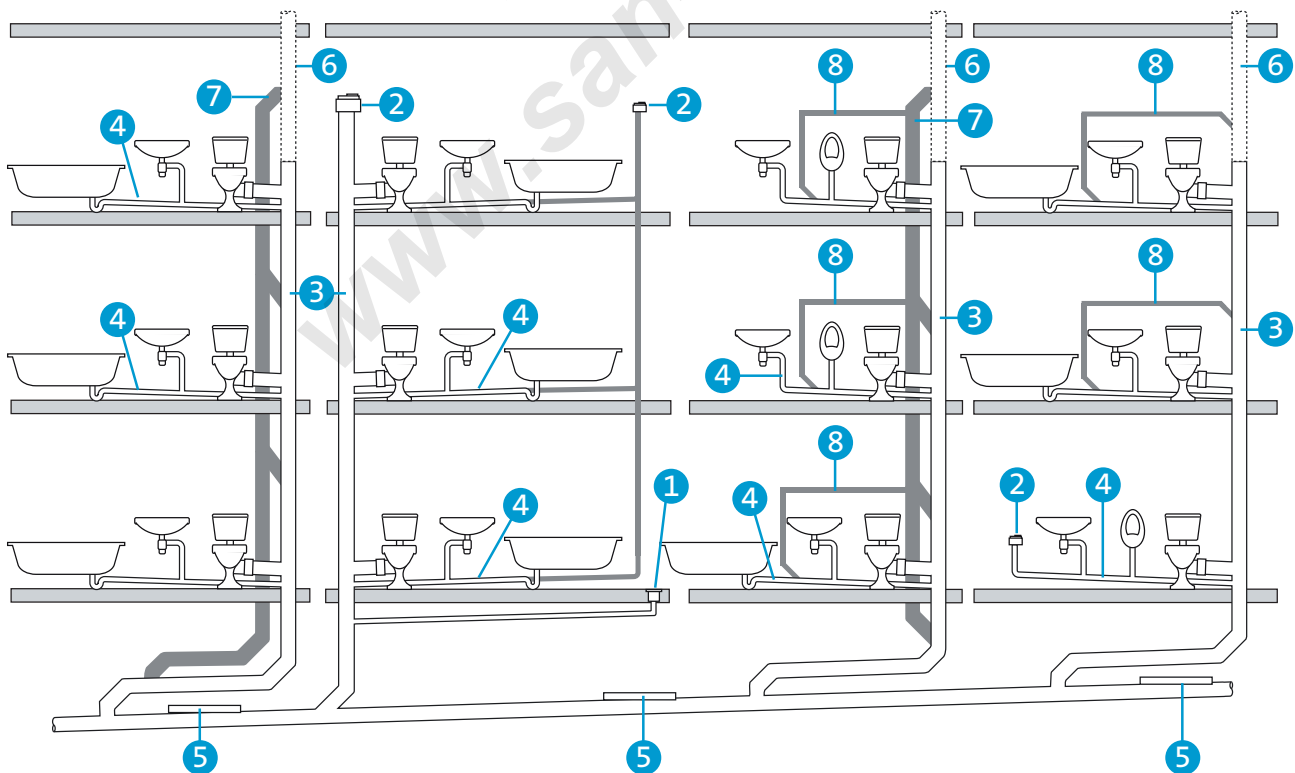
VP15M	-	0.5	Grey
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Illustrations from BS EN 12056-2:2000 Gravity Drainage Systems Inside Buildings to demonstrate installation variations for Air Admittance Valves

Primary Ventilated System Configuration



Secondary Ventilated System Configuration



Control of pressure in the discharge stack is achieved by use of separate ventilating stacks and/or secondary branch ventilating pipes in connection with stack vents. Alternatively, Air Admittance Valves may be used.

Waste Outlet Fittings, Waste Accessories and Handipak

SECTION

7



Waste Outlet Fittings, Waste Accessories and Handipak

Waste Outlet Fittings

General

- Waste Outlets are moulded in polypropylene unless otherwise stated
- Centre Pin Models are supplied with Dry Fixing Washers and Backnut Models are supplied with Backnuts and Washers
- Centre Pin and Backnut Models are supplied with PVC Plugs unless otherwise stated
- Waste Outlets incorporating an overflow are supplied with Flexible Tube with an OD of 25mm unless otherwise stated
- All Chains are supplied with two Triangles

Chrome Plated Brass Basin Wastes



Backnut Model 1 1/4" x 60mm
Flange x 3 1/2" Tail: Slotted
with Spring-Loaded
Mushroom Plug

Code **CW60-CB**



Backnut Model 1 1/4" x 60mm
Flange x 3 1/2" Tail: Slotted
with Swivel Plug

Code **CW60SP-CB**



Backnut Model 1 1/4" x 60mm
Flange x 3 1/2" Tail: Unslotted
with Spring-Loaded
Mushroom Plug

Code **CWU60-CB**



Backnut Model 1 1/4" x 60mm
Flange x 3 1/2" Tail: Unslotted
with Swivel Plug

Code **CWU60SP-CB**



Backnut Model 1 1/4" x 60mm
Flange x 3 1/2" Tail: Unslotted:
Free flowing (open) with
Mushroom Cover Plate

Code **DWU60-CB**



Backnut Model 1 1/4" x 60mm
Flange x 3 1/2" Tail: Slotted
with Swivel Handle Plug

Code **BW60SPH-CB**



Backnut Model 1 1/4" x 60mm
Flange x 3 1/2" Tail: Slotted
with Square Spring-Loaded
Plug

Code **CW60SQ-CB**



Backnut Model 1 1/4" x 60mm
Flange x 3 1/2" Tail: Unslotted
with Swivel Handle Plug

Code **BWU60SPH-CB**



Backnut Model 1 1/4" x 60mm
Flange x 3 1/2" Tail: Unslotted
with Square Spring-Loaded
Plug

Code **CWU60SQ-CB**



Extended Backnut 1 1/4" x
55mm Tail: Threaded Shroud
and Extension Piece

Code **GWAL-CB**

Basin Waste Outlets

Centre Pin Basin Wastes



- The Centre Pin Dry Fixing Connection has the advantage of a quick, simple and neat installation and affords a saving in material and labour costs. Additionally the Polished Stainless Steel Flange eliminates the problem of chrome plating deterioration

Centre Pin Basin Wastes - Stainless Steel Flange



Centre Pin Model

	Code
1¼" x 60mm Flange: Plug	BSW1P
1¼" x 60mm Flange: Plug with CP Chain and Stay	BSW1PC
1½" x 60mm Flange: Plug	BSW2P
1½" x 60mm Flange: Plug with CP Chain and Stay	BSW2PC



Centre Pin Model with Backnut and Washer for basin bracket if required

1¼" x 60mm Flange: Plug	BSW11P
1¼" x 60mm Flange: Plug with CP Chain and Stay	BSW11PC

Backnut Basin Wastes - Chrome Plated Plastic



Backnut Model

1¼" x 60mm Flange x 3½" Tail: Slotted: Plug	BW1
1¼" x 60mm Flange x 3½" Tail: Unslotted: Plug	BW1A



Backnut Model

1¼" x 60mm Flange x 3½" Tail: Slotted: CP Plug	CW1
--	------------

Basin Waste Outlets

Backnut Basin Wastes - Stainless Steel Flange



Backnut Model

	Code
1¼" x 60mm Flange x 3½" Tail: Slotted: Plug	BSW1
1¼" x 60mm Flange x 3½" Tail: Unslotted: Plug	BSW2



Backnut Model

1¼" x 60mm Flange x 3½" Tail: Slotted: Plug	BSW12
1¼" x 60mm Flange x 3½" Tail: Slotted: Plug with Triangle	BSW12T
1¼" x 60mm Flange x 3½" Tail: Slotted: Plug with CP Chain and Stay	BSW12C



Backnut Model - White Plastic

1¼" x 60mm Flange x 3½" Tail: Slotted: Plug	W1
1¼" x 60mm Flange x 3½" Tail: Slotted: Plug with CP Chain and Stay	W1C
1¼" x 60mm Flange x 3½" Tail: Unslotted: Plug	W1A

Combined Wastes and Overflows for Vanity Basin

Centre Pin Models - Stainless Steel Flange



1¼" x 60mm Flange:
CP Overflow Grid: Plug and
CP Chain



1¼" x 60mm Flange:
CP Overflow Grid: Plug and CP
Chain

Banjo Model - White Plastic



1¼" x 60mm Flange x 3½"
Tail: Plug and CP Chain

Bath Wastes with Spring-Loaded Mushroom Plugs



Backnut Model CP Brass 1 1/2" x 70mm Flange x 44mm Tail with Spring-Loaded Mushroom Plug

Code **CBW70-CB**



Centre Pin Model 1 1/2" x 70mm CP Brass Flange x 60mm Tail with Spring-Loaded Mushroom Plug

Code **CWS70-CB**

Combined Waste and Overflow Centre Pin Model 1 1/2" x 70mm CP Brass Flange x 60mm Tail with Spring-Loaded Mushroom Plug and matching Overflow Cover Plate

Code **CBWF70-CB**



Pop-Up Bath Wastes and Overflows, Centre Pin Models - Stainless Steel Flange



1 1/2" x 70mm Flange with CP Brass Overflow/Command Knob

Code **PUB-CPB**



1 1/2" x 70mm CP Flange and Mushroom Plug with CP Brass Overflow/Command Knob

Code **PUB-CPX**



1 1/2" x 70mm CP Stainless Steel Flange: CP Brass Control Knob and Mushroom Plug. Side inlet connection for 19/23mm condensate or condense drain

Code **PUBX-SP**

1 1/2" x 70mm Flange with CP Plastic Overflow/Command Knob

Code **PUB-CP**

1 1/2" x 70mm colour matched White Plastic Flange and Overflow/Command Knob

Code **PUB-WH**

■ The CBWF70-CB and all Pop-Up Bath Wastes have 34mm Ø Overflow Tubes

Bath Waste Outlets

Centre Pin Bath Wastes - Stainless Steel Flange



Centre Pin Model

	Code
1 1/4" x 70mm Flange: Plug	BSW9P
1 1/4" x 70mm Flange: Plug and CP Chain	BSW9PC
1 1/2" x 70mm Flange: Plug	BSW10P
1 1/2" x 70mm Flange: Plug and CP Chain	BSW10PC



Centre Pin Model

1 1/2" x 70mm Flange: Plug	BSW15P
1 1/2" x 70mm Flange: Plug and CP Chain	BSW15PC

Backnut Bath Wastes



Backnut Model - Stainless Steel Flange

1 1/2" x 70mm Flange x 1 1/2" Tail: Unslotted: Plug	BSW10
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Backnut Model - Chrome Plated Plastic

1 1/2" x 70mm Flange x 1 1/2" Tail: Unslotted: Plug	BW5
1 1/2" x 70mm Flange x 1 1/2" Tail: Unslotted: CP Plug	CW5



Backnut Model - White Plastic

1 1/4" x 70mm Flange x 1 1/2" Tail: Unslotted: Plug	W4
1 1/2" x 70mm Flange x 1 1/2" Tail: Unslotted: Plug	W5

- All the above Waste Outlet Fittings are suitable for use with Traps listed on pages 16-17



Code **BSW10P**



Code **CP2**



Code **CW5**

Combined Wastes and Overflows



Centre Pin Model - Stainless Steel Flange

	Code
1¼" x 70mm Flange: SS Overflow Grating: Plug and CP Chain	FBW1P*
1½" x 70mm Flange: SS Overflow Grating: Plug and CP Chain	FBW2P*

* Nut and Bolt Overflow Connection and Compression Connection to Flexible Tube

1¼" x 70mm Flange: CP Overflow Grating: Plug and CP Chain	FBW1PC
1½" x 70mm Flange: CP Overflow Grating: Plug and CP Chain	FBW2PC



Combined Wastes and Overflows with removable Grid for cleaning

1½" x 70mm CP Plastic Flange: CP Overflow Grating and 34mm Ø Overflow Tube: Plug and CP Chain	FBW2R-C
1½" x 70mm White Plastic Flange and 34mm Ø Overflow Tube: Plug and CP Chain	FBW2R-W

Centre Pin Model

1½" x 70mm White Plastic Waste and Overflow: Plug and CP Chain	FBW2PW
--	---------------

■ All the above Waste Outlet Fittings are suitable for use with Traps listed on page 16

Sink Waste Outlets

Centre Pin Sink Wastes - Stainless Steel Flange



Centre Pin Model

	Code
1¼" x 85mm Flange: Plug	BSW3P
1¼" x 85mm Flange: Plug with CP Chain and Stay	BSW3PC
1½" x 85mm Flange: Plug	BSW6P
1½" x 85mm Flange: Plug with CP Chain and Stay	BSW6PC



Centre Pin Model

1½" x 85mm Flange: Black PVC Handle Plug	BSW6PR
--	---------------



Centre Pin Model

1½" x 70mm Flange: Black PVC Handle Plug	BSW10PR
--	----------------



Centre Pin Model

2" x 85mm Flange: Plug	BSW21P
2" x 85mm Flange: Plug with CP Chain and Stay	BSW21PC



Centre Pin Model Waste for Belfast Sink

1½" x 85mm Flange: CP Handle Plug	BSW6CP2H
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Centre Pin Model Reducer Waste

1½" x 113mm Flange: Black ABS Handle Plug	SW45P
1½" x 113mm Flange: Plug with CP Chain and Stay	BSW45P

Backnut Sink Waste



Backnut Model - White Plastic

1½" x 85mm Flange x 3½" Tail: Unslotted: Plug	W3
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**Centre Pin Model** - Stainless Steel Flange

Code

1 1/4" x 85mm Flange: CP Overflow Grid: Plug and CP Chain
FSW1PC

1 1/2" x 85mm Flange: CP Overflow Grid: Plug and CP Chain
FSW2PC

1 1/2" x 70mm Flange: CP Overflow Grid: Plug and CP Chain
FSW2PC-70

**Centre Pin Model** - Stainless Steel Flange

1 1/4" x 85mm Flange: Black Overflow Grid: Plug and CP Chain
FSW1PP

1 1/2" x 85mm Flange: Black Overflow Grid: Plug and CP Chain
FSW2PP

1 1/2" x 70mm Flange: Black Overflow Grid: Plug and CP Chain
FSW2PP-70

**Centre Pin Model** - Stainless Steel Flange

1 1/2" x 85mm Flange: Rectangular Overflow, no Overflow Grid:
Plug with CP Chain and Stay: Supplied with reversible dual
purpose Overflow Washer for curved or flat sink bowl
FSW2PR

1 1/2" x 70mm Flange: Rectangular Overflow, no Overflow Grid:
Plug with CP Chain and Stay: Supplied with reversible dual
purpose Overflow Washer for curved or flat sink bowl
FSW2PR-70

**Centre Pin Model** - Stainless Steel Flange

1 1/4" x 85mm Flange: CP Overflow Grid: Plug with CP Chain and
Stay
FSW1P*

1 1/2" x 85mm Flange: CP Overflow Grid: Plug with CP Chain and
Stay
FSW2P*

* **Nut and Bolt Overflow Connection and Compression
Connection to Flexible Tube**

**Reducer Waste and Overflow****Centre Pin Model** - Stainless Steel Flange

1 1/2" x 113mm Flange: CP Overflow Grid: Plug and CP Chain
FSW45P

Basket Strainer Wastes

Basket Strainer Wastes



Centre Pin Model - Stainless Steel Flange
Stemball Plug

Code

1½" x 113mm Flange

BWSTSS

1½" x 113mm Flange: PVD Finish (Gold)

BSWPVD



Centre Pin Model - Stainless Steel Flange
Spring-Loaded Plug

1½" x 113mm Flange

BSWCLS



Backnut Model - Chrome Plated Brass
Spring-Loaded Plug

1½" x 113mm Flange

BSW-BR-CP



Basket Strainer Waste and Overflow
Centre Pin Model - Stainless Steel Flange
Stemball Plug

1½" x 113mm Flange: CP Overflow Grid

BWSTOFSS

1½" x 113mm Flange: Overflow Grid: PVD Finish (Gold)

FBSWPVD



Mini Basket Strainer Waste
Centre Pin Model - Stainless Steel Flange
Stemball Plug

1½" x 85mm Flange

MBSWSS85

1½" x 85mm Flange: PVD Finish (Gold)

MBS85PVD



Mini Basket Strainer Waste and Overflow
Centre Pin Model - Stainless Steel Flange
Stemball Plug

1½" x 85mm Flange: CP Overflow Grid

FMBSWSS85

1½" x 85mm Flange: Overflow Grid: PVD Finish (Gold)

FMBS85PVD



Stainless Steel Strainer Plug
for Basket Strainer Waste
Stemball Model

Code

BWSTSS-TOP



Stainless Steel Strainer Plug
for Basket Strainer Waste
with Rubber Finger Seal
Connection

Code

BSKTOP

Pop-Up Wastes and Overflows

Centre Pin Model - Stainless Steel Flange

	Code
1½" x 70mm Flange: CP Plastic Command Knob	PUS70-CP
1½" x 70mm Flange: Flexible Overflow: CP Plastic Grid and Command Knob	PUFS70-CP
1½" x 85mm Flange: CP Plastic Command Knob	PUS85-CP
1½" x 85mm Flange: Flexible Overflow: CP Plastic Grid and Command Knob	PUFS85-CP

Pop-Up Basket Strainer Wastes and Overflows

Centre Pin Model - Stainless Steel Flange

1½" x 113mm Flange Basket Strainer Waste: CP Plastic Command Knob	PUS113-CP
1½" x 113mm Flange Basket Strainer Waste: Flexible Overflow: CP Plastic Grid and Command Knob	PUFS113-CP



Shower Waste Outlets

Centre Pin Shower Wastes - Stainless Steel Flange



Centre Pin Model - Stainless Steel Flange

Code

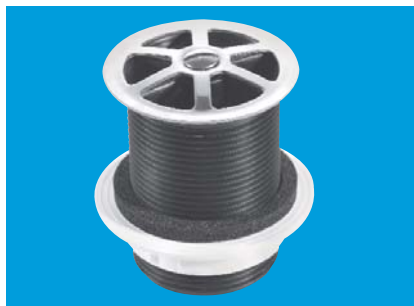
1¼" x 70mm Flange

BSW9P-F

1½" x 70mm Flange

BSW10P-F

Backnut Wastes



Backnut Model - Stainless Steel Flange

1½" x 60mm Flange x 70mm Tail

CSWU3P



Backnut Model - CP Plastic

1½" x 70mm Flange x 1½" Tail

CWS5



Backnut Model - White Plastic

1½" x 70mm Flange x 1½" Tail

WS5



Backnut Model - White Plastic

1½" x 85mm Flange x 3½" Tail

WS3



**High-Flow Shower Waste - Top Access
Backnut Model** - White Plastic

1½" x 113mm Flange x 2¾" Tail

SWHF1-WH

2" x 113mm Flange x 2¾" Tail

SWHF2-WH



High-Flow Shower Waste - Top Access
Backnut Model - Standard Cover Flange

	Code
1½" x 113mm Flange x 2¾" Tail: White Plastic	SWHF3-WH
1½" x 113mm Flange x 2¾" Tail: CP Plastic	SWHF3-CP
2" x 113mm Flange x 2¾" Tail: White Plastic	SWHF4-WH
2" x 113mm Flange x 2¾" Tail: CP Plastic	SWHF4-CP



High-Flow Shower Waste - Top Access
Backnut Model - Plain Cover Flange

1½" x 113mm Flange x 2¾" Tail: White Plastic	SWHF5-WH
1½" x 113mm Flange x 2¾" Tail: CP Plastic	SWHF5-CP
2" x 113mm Flange x 2¾" Tail: White Plastic	SWHF6-WH
2" x 113mm Flange x 2¾" Tail: CP Plastic	SWHF6-CP

Code BSW10P-F



Code CSWU3P



Code CWS5



Pumped Shower Waste Outlets

Untrapped Shower Wastes with Top Access

- For use with pumped waste where normal gravity discharge is not possible



Centre Pin Model - 70mm Polished Stainless Steel Flange with Plastic Strainer Grid and 15mm 'O' Ring Pushfit Outlet

Code	UPSW-1
------	---------------



70mm CP Brass Flange with top access x 15mm Plain Tail Outlet

Code	UPSW-2
------	---------------



85mm CP Brass Flange with top access x 15mm Plain Tail Outlet

Code	UPSW-3
------	---------------



70mm CP Brass Flange with top access x 22mm Plain Tail Outlet

Code	UPSW-2-22MM
------	--------------------

85mm CP Brass Flange with top access x 22mm Plain Tail Outlet

Code	UPSW-3-22MM
------	--------------------

113mm CP Brass Flange with top access x 22mm Plain Tail Outlet

Code	UPSW-4-22MM
------	--------------------



Code **UPSW-3-22MM**

Backnut Urinal Wastes



Backnut Model - Domed Flange

	Code
1¼" x 60mm Flange x 3½" Tail: White Plastic	WU10
1½" x 60mm Flange x 2" Tail: White Plastic	WU11



Backnut Model - Domed Flange with removable Dome

2" x 85mm Flange x 1⅝" Tail: Grey Plastic	GWU20
2" x 85mm Flange x 1⅝" Tail: White Plastic	WU20



Backnut Model - Flush Flange

1¼" x 60mm Flange x 3½" Tail: CP Plastic	CWU1A
1¼" x 60mm Flange x 3½" Tail: White Plastic	WU1A



Backnut Model - Flush Flange

1¼" x 60mm Flange x 2⅛" Tail: CP Plastic	CWU1S
1¼" x 60mm Flange x 2⅛" Tail: White Plastic	WU1S



WhiffAway - Backnut Model

Eliminates odours and reduces water usage

1¼" x 63mm Flange x 50mm Tail with two Stainless Steel Domes	WHIF-1
1¼" x 63mm Flange x 90mm Tail with two Stainless Steel Domes	WHIF-1A
1½" x 63mm Flange x 50mm Tail with two Stainless Steel Domes	WHIF-2
1½" x 63mm Flange x 90mm Tail with two Stainless Steel Domes	WHIF-2A
2" x 85mm Flange x 40mm Tail with two Stainless Steel Domes	WHIF-3
Box of 26 Replaceable Urinal Discs	WHIFDISC

■ All WhiffAway Urinal Waste Outlet Fittings are supplied with a starter pack of 26 replaceable urinal discs

Waste with Plug for Caravans and Boats











This Waste has a plain tail and can be fitted into any 1¼" x 75mm water seal Adjustable Inlet Trap - e.g. AA10 see pages 6 and 8. Remove standard adjustable inlet supplied and substitute Fitting

50mm Plastic Flange: ¾" BSP thread: Plug: Special Locking Nut	CTW1
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Waste Accessories and Soap Dispenser

Plugs

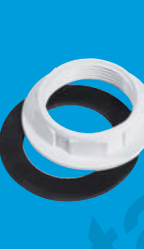
	Black Plastic with Rubber Seal	Code
	1¾" with Handle	BP2H
	Black PVC	
	1½" with Handle	BP3H
	1¾" with Handle	BP4H
	White Plastic with Rubber Seal	
	1¾" with Handle	WP2H
	CP Plastic with Rubber Seal	
	1½" with Handle	CP1H
	1¾" with Handle	CP2H
	CP Plastic with Rubber Seal	
	1½"	CP1
	1¾"	CP2
	Black PVC	
	1½"	BP3
	1½" with Triangle	BP3T
	1¾"	BP4
	1¾" with Triangle	BP4T
	White Plastic with Rubber Seal	
	1½"	WP1
	1½" with Triangle	WP1T
	1¾"	WP2
	1¾" with Triangle	WP2T
	White PVC	
	1½"	WP3
	1½" with Triangle	WP3T
	1¾"	WP4
	Captive Plug - Black Plastic	
	1½"	BP1-CAP†
	1¾"	BP2-CAP†

† Note: BP1-CAP and BP2-CAP are only for use with MCApine Wastes which have a Centre Pin Fixing Connection



Chains

	Code
	10" CP Chain and 2 Triangles CH5
	16" CP Chain and 2 Triangles CH4
	18" CP Chain and 2 Triangles CH4-18
	10" CP Chain and 2 Triangles, Stay and Nut CH10


Backnuts

	White Plastic with Rubber Washer
	1¼" x 60mm Flange BN1
	1½" x 70mm Flange BN2
	1½" x 85mm Flange BN3
	2" x 75mm Flange BN5

Tap Hole Stoppers

	Stainless Steel
	16mm long thread TAPSTOP-SS
	40mm long thread TAPSTOP-SS40
	White Plastic
	17mm long thread TAPSTOP-WH

Overflow Stopper

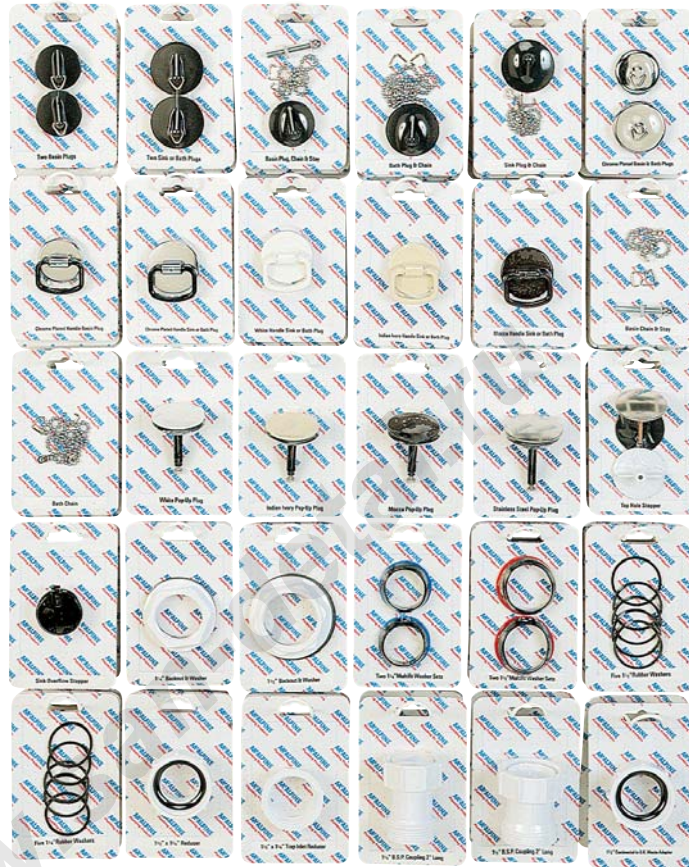
	Black Plastic
	17mm long thread O/FSTOP-BL

Soap Dispenser

	Sink ½ litre bottle with CP Plastic Top
	Code SOAP-CP

Card Description

- 1 Two Basin Plugs
- 2 Two Sink or Bath Plugs
- 3 Basin Plug, Chain & Stay
- 4 Bath Plug & Chain
- 5 Sink Plug & Chain
- 6 Chrome Plated Basin & Bath Plugs
- 7 Chrome Plated Handle Basin Plug
- 8 Chrome Plated Handle Sink or Bath Plug
- 9 White Handle Sink or Bath Plug
- 10 Indian Ivory Handle Sink or Bath Plug
- 11 Mocca Handle Sink or Bath Plug
- 12 Basin Chain & Stay
- 13 Bath Chain
- 14 White Pop-Up Plug
- 15 Indian Ivory Pop-Up Plug
- 16 Mocca Pop-Up Plug
- 17 Stainless Steel Pop-Up Plug
- 18 Tap Hole Stopper
- 19 Sink Overflow Stopper
- 20 1 1/4" Backnut & Washer
- 21 1 1/2" Backnut & Washer
- 22 Two 1 1/4" Multifit Washer Sets
- 23 Two 1 1/2" Multifit Washer Sets
- 24 Five 1 1/4" Rubber Washers
- 25 Five 1 1/2" Rubber Washers
- 26 1 1/2" x 1 1/4" Reducer
- 27 1 1/2" x 1 1/4" Trap Inlet Reducer
- 28 1 1/4" BSP Coupling 2" Long
- 29 1 1/2" BSP Coupling 2" Long
- 30 1 1/2" European to UK Waste Adaptor



- 31 Five Rubber 'O' Rings for Shower Trap Dip Tube
- 32 Two CP Grids for Shower Traps
- 33 Two White Grids for Shower Traps
- 34 Two Gold Grids for Shower Traps
- 49 Stainless Steel Strainer Plug (Stemball)
- 50 White Strainer Plug
- 51 Indian Ivory Strainer Plug
- 52 Mocca Strainer Plug
- 53 Stainless Steel Strainer Plug
- 54 Gold Waste & Grid for M^cAlpine Top Access Shower Trap
- 55 Tun Dish with 19/23mm Universal Outlet
- 56 Side Inlet Tun Dish with 19/23mm Universal Outlet
- 57 Top Inlet Tun Dish with 19/23mm Universal Outlet
- 58 3/4" Overflow x 1 1/2" Flushpipe Tee
- 59 Nozzle for M^cAlpine Washing Machine Trap
- 60 1 1/2" Tee Piece with Adaptor for Washing or Dishwashing Machine Discharge Hose

Handipak pre-packed carded range with Euroslot
Cards 1-34: 140mm x 90mm Cards 49-60: 220mm x 140mm

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Technical Details and Index

SECTION

8



Technical Details

Installation Guidelines

- **Building Regulations** require that all points of discharge into a drainage system should be fitted with a trap (e.g. a water seal trap) to prevent foul air from the system entering the building. Under working and test conditions traps should retain a minimum seal of 25mm of water

Installation Requirements

All traps, waste pipe, waste fittings and soil fittings when installed in buildings should be installed in compliance with:

- Building Regulations 2000 (2002 edition) Approved Document H England and Wales
- The Building Standards (Scotland) Regulations 1990 (as amended)
- The Building Regulations (Northern Ireland) 2000 Alternatively the relevant recommendations of BS EN 12056-2:2000 should be followed

All traps should be accessible and provided with an adequate facility for cleansing, for example, traps are capable of being readily removed or dismantled. In general a trap which is not an integral part of an appliance should be attached to, and be immediately beneath, its outlet. However, traps that are not connected to the appliance should be as close as possible. There should be no more than one trap on the discharge pipework from any appliance



Code ASA10

Trap Seals

- Traps with outlets for pipes up to and including DN50 should have a minimum water seal of 50mm on baths and showers, provided they are fitted with flush-grated wastes without plugs on spray-tap basins; 75mm trap seals should be used with all other appliances
- Traps with outlets for pipes over DN50 should have a minimum water seal of 50mm
- Traps used on appliances with flat bottoms (trailing waste discharge) and discharging to a gully with a grating may have a reduced water seal of not less than 38mm

MCAlpine manufacture 19mm water seal traps to meet market demand for replacement traps or for situations where space is limited. These traps should **not** be used in situations where a minimum 50mm water seal trap is required or where the waste pipe is connected to a soil stack

- **The table opposite is an extract for BS EN 12056-2:2000 Gravity Drainage Systems Inside Buildings**

Notes relating to table opposite

- (1) Steeper gradients permitted if pipe is less than maximum permitted length
- (2) If length is greater than 3m noisy discharge may result with an increased risk of blockage
- (3) Should be as short as possible to limit problems with deposition
- (4) Sharp throated bends should be avoided
- (5) For slab urinal for up to 7 persons. Longer slabs to have more than one outlet
- (6) Swept - entry branches serving WC's
- (7) Includes small potato-peeling machines
- (8) Tubular not bottle or resealing traps
- (9) Spray tap basin shall have flush-grated wastes without plugs

Appliance	Diameter (DN)	Min. Trap Seal Depth (mm)	Max. Length (L) of Pipe from Trap Outlet to Stack (m)	Pipe Gradient (%)	Max. Number of Bends (no)	Max. Drop (m)
Washbasin, Bidet (30mm diameter trap)	30	75	1.7	2.2 ⁽¹⁾	0	0
Washbasin, Bidet (30mm diameter trap)	30	75	1.1	4.4 ⁽¹⁾	0	0
Washbasin, Bidet (30mm diameter trap)	30	75	0.7	8.7 ⁽¹⁾	0	0
Washbasin, Bidet (30mm diameter trap)	40	75	3.0	1.8 to 4.4	2	0
Shower, Bath	40	50	No Limit ⁽²⁾	1.8 to 9.0	No Limit	1.5
Bowl Urinal	40	75	3.0 ⁽³⁾	1.8 to 9.0	No Limit ⁽⁴⁾	1.5
Trough Urinal	50	75	3.0 ⁽³⁾	1.8 to 9.0	No Limit ⁽⁴⁾	1.5
Slab Urinal ⁽⁵⁾	60	50	3.0 ⁽³⁾	1.8 to 9.0	No Limit ⁽⁴⁾	1.5
Kitchen Sink (40mm diameter trap)	40	75	No Limit ⁽²⁾	1.8 to 9.0	No Limit	1.5
Household Dishwasher or Washing Machine	40	75	3.0	1.8 to 4.4	No Limit	1.5
WC with Outlet up to 80mm ⁽⁶⁾	75	50	No Limit	1.8 Min.	No Limit ⁽⁴⁾	1.5
WC with Outlet greater than 80mm ⁽⁶⁾	100	50	No Limit	1.8 Min.	No Limit ⁽⁴⁾	1.5
Food Waste Disposal ⁽⁷⁾	40 Min.	75 ⁽⁸⁾	3.0 ⁽³⁾	13.5 Min.	No Limit ⁽⁴⁾	1.5
Sanitary Towel Disposal Unit	40 Min.	75 ⁽⁸⁾	3.0 ⁽³⁾	5.4 Min.	No Limit ⁽⁴⁾	1.5
Floor Drain	50	50	No Limit ⁽³⁾	1.8 Min.	No Limit	1.5
Floor Drain	70	50	No Limit ⁽³⁾	1.8 Min.	No Limit	1.5
Floor Drain	100	50	No Limit ⁽³⁾	1.8 Min.	No Limit	1.5
4 Basins	50	75	4.0	1.8 to 4.4	0	0
Bowl Urinals ⁽⁸⁾	50	75	No Limit ⁽³⁾	1.8 to 9.0	No Limit ⁽⁴⁾	1.5
Maximum of 8 WC's ⁽⁶⁾	100	50	15.0	0.9 to 9.0	2	1.5
Up to 5 Spray Tap Basins ⁽⁹⁾	30 Max.	50	4.5 ⁽³⁾	1.8 to 4.4	No Limit ⁽⁴⁾	0

Technical Details

Installation Information

Most individual products are supplied with detailed installation instructions. The following is general information

Trap Inlets

When connecting the Trap Inlet to the Waste Outlet, it is important to ensure that a proper 'seating' is obtained and it is therefore recommended that the Waste Outlet used be to British Standard or equivalent, otherwise difficulty may be experienced in obtaining a water tight joint. All Traps are supplied complete with inlet washers

Trap Outlets and Multifit Fittings see Page 2

For use with plastic pipes to BS EN 1451-1:2000 and BS EN 1329-1:2000, copper pipe (metric or imperial) and lead pipe. Fit as follows:

- Chamfer inside of pipe, if required to remove any burr or to enable plastic pipe to be eased over internal sleeve
- Remove nut, plastic friction washer and rubber olive from Trap or Fitting
- Push nut, plastic friction washer and rubber olive over pipe
- Push pipe over Internal Sleeve and into Trap or Fitting
- Connect nut and hand tighten

If a plastic pipe is undersize, or out of shape, the end may require to be warmed to enable it to be pushed over the Internal Sleeve and into the Trap or Fitting

Universal Trap Outlets and Fittings

Fit as Multifit but Internal Sleeve not applicable

Surefit Fittings see Page 53

To BS EN 1329-1:2000

For use with M^CAlpine HDPE Waste Pipe only. Fit as follows:

- Chamfer inside of pipe, if required to remove burr
- Remove nut and rubber washer from Fitting
- Push nut and rubber washer over pipe

- Push pipe into socket
- Connect nut and hand tighten

Pushfit Fittings see Page 59

For use with M^CAlpine Overflow Pipe. Fit as follows:

- Gently warm end of pipe - say 25mm
- Push Fitting inside or outside of pipe dependent on type of Fitting

Pipe Clipping

It is of the utmost importance that plastic pipe be properly supported as recommended below:

		Waste (m)	Overflow (m)
Horizontal:	Every	0.5	0.5
Vertical:	Every	1.2	1.2



Code CAA10



Code 35A-CB



Code PIPE35-1000-CB

Product Information

Shower Traps with Top Access see Pages 22-27

All M^CAlpine Shower Traps with top access surpass the minimum required flow rate of 24 litres per minute when tested in accordance with clause 5 of BS EN 274-2:2002

M^CAlpine flow rates are calculated when the Traps are tested under a constant 15mm head of water. Some manufacturers quote test results when their traps have been tested under a constant 120mm head of water

This is confusing and misleading as 120mm head of water in relation to shower tray installations is not normally achievable on modern shower trays

However, it should be noted that the M^CAlpine High-Flow High-Performance and Vertical Outlet range of Shower Traps, illustrated on pages 22 and 23, have a discharge rate exceeding 50 litres per minute when tested under a constant 15mm head of water

Flow rates for individual Shower Traps available upon application

Code **WC-CON8F18**



Code **VP50P**



Traps and Waste Outlet Fittings see Sections 1 and 7

All Traps, Waste Outlets and Overflows for kitchen sinks, shower trays, wash basins, bidets and baths meet the dimensional, performance, materials and marking requirements of EN 274-1:2002

Bath Fillers see Page 18

M^CAlpine Bath Fillers have the following flow rates:

.5 Bar pressure produces 25 litres per minute

1 Bar pressure produces 40 litres per minute

2 Bar pressure produces 50 litres per minute

Condensate Products see Pages 14-15

M^CAlpine Traps and Fittings for connecting condensate discharge from condensing boilers to sanitary pipework meet the requirements of BS 6798:2009 and Building Regulations Approved Document H

Shower and Floor Gullies see Section 2

Shower and Floor Gullies are manufactured to comply with EN 1253-2:2003

Surefit Waste System see Page 53

Surefit Waste System is manufactured to comply with BS EN 1329-1:2000

MACFIT WC Connectors see Pages 66 and 67

MACFIT WC Connectors are manufactured to comply with BS 5627:1984

Rigid WC Connectors see Pages 70-71

Rigid WC Connectors are manufactured to comply with BS 5627:1984 and German Standard DIN 1389-2

Flexible WC Connectors see Pages 68-69

Flexible WC Connectors are manufactured to comply with German Standard DIN 1389:2001-05 and have LGA Approval, Certificate Number 0120208-02

Air Admittance Valves (Ventapipe) see Section 6

Air Admittance Valves (Ventapipe) are manufactured to comply with BS EN 12380:2002 and have LGA Approval

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TUNFLOW1	64	USG3T6SS	35	WC17-110	72	WC-F26RV	68	Z1	50
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TUNKIT-1	63	USG3T8WH	35	WALLFLANGE-CP32		WC-F26SV	68	Z8A	50
TUNKIT-3	63	USG3-T150SS	35		52	WCTRAP4P	21	Z8B	50
TUNVALVE	62	USGLEG1	41	WALLFLANGE-CP35		WCTRAP4S	21	Z8M	49
TV1	11				52	WF1	19	Z11M	49/60
TV2	11	V		WALLFLANGE-CP42		WF21	19	Z18L	53
TWL-18	59	V1	59		52	WF21-SP	20	Z18M	53
TWS-18	59	V1L	53	WC-BP1	72	WHIF-1	93	Z21A	49
TWLFBR	60	V1M	48	WC-CON1	70	WHIF-1A	93	Z23	51
TWLFCV	61	V1MX	48	WC-CON1V	70	WHIF-2	93	Z23L	53
TWILF	61	V1MX-CO	15	WC-CON2	70	WHIF-2A	93	Z23M	49
		V8	59	WC-CON2B	70	WHIF-3	93	Z23MR	54
U		V8L	53	WC-CON3	70	WHIFDISC	93	Z28L	53
UPSW-1	92	V8M	48	WC-CON4	70	WM1	10	Z28L-ISO	48
UPSW-2	92	V15M	48	WC-CON4A	70	WM2	10	Z28M	48
UPSW-2-22MM	92	V21L	53	WC-CON4B	70	WM2V	10	Z29	49
UPSW-3	92	V23L	53	WC-CON5	70	WM3	10	Z30	53
UPSW-3-22MM		V24L	53	WC-CON5B	70	WM3-CAP	10	Z31M	49
	92	V33L	11/53	WC-CON6	70	WM4	11	ZP10	8
UPSW-4-22MM		V33S	11/53	WC-CON7	70	WM11	10	ZP10V	8
	92	V33S-22	63	WC-CON7A	70	WM12	10	ZS26L	48
USG1-R125SS	35	V33T	63	WC-CON7B	70	WM14	10	Z28M-NRV	50
USG1SS	33	V33T-FP	63	WC-CON8	71	WM15	10	Z28M-NRVS	50
USG1SS-SL-SC	33	V33WM	10	WC-CON8E	71	WMF3	11	ZS31M	49
USG1SS-SL-NSC		V34L	11/53	WC-CON8F	69	WMF4	11	ZT26L	48
	33	VP1	77	WC-CON8F18	69	WP1	94	ZT31M	49
USG1WH	33	VP1W	77	WC-CON8FV	69	WP1T	94	ZWILF	61
USG1T-B	38	VP2	77	WC-CON8V	71	WP2	94	ZWLFBR	60
USG1T6SS	35	VP2W	77	WC-CON9	71	WP2H	94		
USG1T6WH	35	VP3	77	WC-CON9V	71	WP2T	94		
USG1T8WH	35	VP4	77	WC-CON16	70	WP3	94		
USG1-T150SS	35	VP15M	77	WC-CONQ	71	WP3T	94		
USG2-R125SS	35	VP50	76	WC-CONQP	71	WP4	94		



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