FloPlast building the future











Introduction to FloPlast Soil & Waste Systems

FloPlast founded in 1991, has established itself as a manufacturer of high quality plastic building and plumbing systems for the construction industry, in particular domestic and commercial new build and refurbishment projects.

FIOPlast Offer an extensive choice of systems and products, in a range of sizes and colours, to suit all tastes and applications.

The **FIOPlast** reputation for technical excellence, quality and competitively priced products have established the company as a leading supplier of Above Ground Plumbing Systems.

The FloPlast ABS Solvent Weld, Ring Seal and Solvent Soil Systems have been rigorously tested by The British Standards Institute and have been awarded their prestigious Kitemark:

For CE DOP's (Declaration of Performance), please refer to our website at www.floplast.co.uk.



DSI.
Ale Admittance
Language SE NI 2380
KITEMARK C
MS 51204
MS 52244
MS 52244
MS 52244
MS 52244

Standards/Quality Control

FIOPLAST consider that an integral part of our business undertaking is to minimise any potentially harmful effects on the environment that our activities may cause.

FIOPLAST aim to take into account sustainability in our product design, applications and commitment to the protection of the environment and prevention of pollution, in all we do.

FloPlast operations embrace Quality, Environment and Energy Management Systems which have been accredited by BSI to BS EN ISO 9001:2008 Certificate No. FM 501414, BS EN ISO 14001:2004 Certificate No. EMS 538445, BS EN ISO 18001:2007 Certificate No. OHS 593622 and ISO 50001:2011 Certificate No. ENMS 638370.



All products are subject to continuous quality control procedures and products manufactured to British Standard Specifications are marked accordingly.





System Features

- Comprehensive, integrated and modern range of products and systems for all soil and waste applications.
- Components have a consistent high gloss finish and colour and are essentially maintenance free.
- Tough and durable, yet lightweight for ease of installation.
- Compatible with most other existing materials and systems manufactured to British/European Standards.
- Manufactured to British/European Standards specification where applicable.
- Colour matching between systems facilitates colour coordination where sanitary pipework is located externally.
- 110mm "Cast Iron" Style ring seal soil comes with a 20 year guarantee. Guarantees and installations can be registered on our website, look for register your guarantee in the drop down box under You in the banner heading.



Working Temperature

Soil and Waste systems may be used to carry liquids when subjected to a continuous flow, with a maximum temperature of 76°C. Intermittent discharges of up to 100°C may occur, provided that a duration of less than two minutes is observed.

| Pipework support (BS EN 12056:2000 Maximum distances for support) | | | | | |
|-------------------------------------------------------------------|----------|------------|--|--|--|
| Size | Vertical | Horizontal | | | |
| 32mm | 1.2m | 0.5m | | | |
| 40mm | 1.2m | 0.5m | | | |
| 50mm | 1.2m | 0.6m | | | |
| 110mm | 2m | 1m | | | |





Air Admittance Valves

Certification and Standards

- Product is A1 approved in accordance with BS EN 12380 it can be installed below the flood level of connected appliances.
- Tested and approved for use in installations varying between -20° & +60°c (no insulation required).
- CE marked to level 4 attestation of conformity in accordance with BS EN 12380.
- FloPlast air admittance valves are kitemark licenced in accordance with BS FN 12380 licence number KM 512474.

General Information

The FloPlast Air Admittance Valve is designed to allow the free entry of air into the sanitary pipework system without the escape of foul gasses into the building.

When installed into sanitary pipework systems conforming to BS EN 12056, the FloPlast Air Admittance Valve not only prevents the loss of water from trap seals due to induced

siphonage, but also has the added advantage of providing an early warning indicator to a potential drainage blockage. The AF110 Push-fit Air Admittance Valve may also be used as a secondary rodding point to remove such blockages.

All valves should be stored/installed in an upright position.

The AF32 Air Admittance Valve has a universal adaptor to fit to 32mm/40mm/50mm solvent waste pipe. It is produced from white ABS/PVC, and is designed for use with waste pipe conforming to British/European standards connected to a solvent cemented pipe adaptor supplied with the product.

Approved Document H of the Building Regulations only permits Air Admittance Valves that conform to BS EN 12380. Ventilation and access must be provided to all air admittance valve installations.

Further information on FloPlast Air Admittance Valves is available from the BSI detailed sheet which is downloadable from our website: www.floplast.co.uk

Document H Clause 1.31 states that "Ventilating pipes open to outside air should finish at least 900mm above any opening into the building within 3 metres". This new development by FloPlast, of an External Air Admittance Valve, will allow the installation of an external soil pipe within 3 metres of any opening and terminate at the same height as if it were installed internally, ie. 200mm (minimum) above the highest wet entry point to the soil vent pipe. See diagram below.

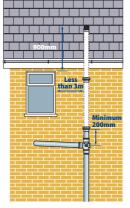
| • | | | | | | |
|----------------------------------|----------|--------|--------|--|--|--|
| Product | Colour | Size | Code | | | |
| External Air Admittance Valve CE | | | | | | |
| | B G W AG | 110mm/ | Δ V110 | | | |

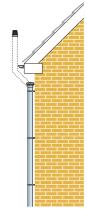
110mm-Pushfit/82mm-Solvent



82mm







Important when ordering: Please add colour reference to code: B Black W White G Grey





Air Admittance Valves

| Product | Colour | Code | | | |
|-------------------------------------------------------------|------------|----------------------|------|--|--|
| Air Admittance Valve So | olvent 🤇 🤇 | | | | |
| | w | 32mm 40mm 50mm | AF32 | | |
| Universal adaptor to fit 32mm/40mm/50mm Solvent Waste Pipe. | | | | | |

| Λi _ν | Admittanco | Valva | Compression | |
|-----------------|------------|-------|-------------|--|

| Air Admittance valve Compression | | | | | | |
|----------------------------------|---|------|------|--|--|--|
| | w | 32mm | AV32 | | | |
| | w | 40mm | AV40 | | | |
| | w | 50mm | AV50 | | | |

This product is not CE marked under the Construction Products Regulations 2011.

| Product | Colour | olour Size | | | | | |
|---------------------------------------------------------------|--------|----------------|-------|--|--|--|--|
| Air Admittance Valve Push-Fit CE | | | | | | | |
| | B G W | 110mm/ 82mm | AF110 | | | | |
| For 82mm solvent connection, remove seal from 110mm push-fit. | | | | | | | |

Air Admittance Valve Solvent C€

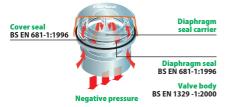
| B G W 110mm AV | /110 |
|----------------|------|

Advantages and Benefits

- Saves the need to penetrate the outer roof shell, giving more aesthetic roof lines.
- Saves on the cost of pipes and expensive fittings.
- Saves on roof flashing.

- Saves on labour costs.
- Prevents the loss of water from trap seals and consequent release of foul air into the building.
- Secondary rodding point.

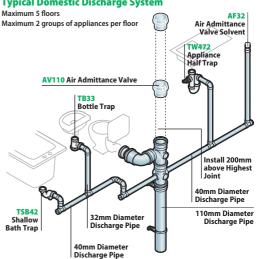
Valve Open (Negative pressure in pipework)



Valve Closed (Normal working conditions)



Typical Domestic Discharge System



Important when ordering: Please add colour reference to code: B Black G Grey









110mm Ring Seal Soil Material: PVC-U Standard: BS EN 1329-1, BS EN 4514, BS EN 1453-1

Fixing Guide

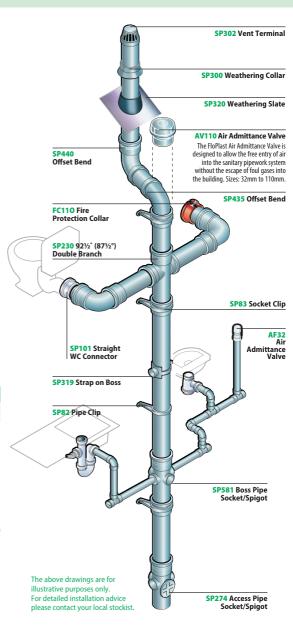
Install and test system in accordance with BS EN 1610.

- Commence the stack from the base and work up. Mark the position of the brackets and drill and fix screws before erecting.
- Fix pipe or socket brackets at maximum 2m centres vertical and at maximum 1m centres horizontal.
- An allowance for expansion should be made by withdrawing all pipe and fitting spigots from the sockets by 10mm.
- Soil Fittings with spigot ends can be inserted into the socket to depth marks engraved on the spigot, this ensures correct allowance is made for expansion. Expansion joints should be incorporated every 4m.
- The use of silicone lubricant on all seals will facilitate jointing.
- The system should incorporate suitable access points to enable testing and maintenance of the system.

| BOSS ADAPTORS | | | | | | |
|-------------------------------------------------------------------------|-----|------|------|------|--|--|
| Solvent Weld Connection to ABS | | 32mm | 40mm | 50mm | | |
| | ABS | SP20 | SP21 | SP22 | | |
| Straight Push-fit Connection to Push-fit Waste or Solvent Weld Waste | | SP10 | SP11 | SP12 | | |

FIRE COLLAR APPLICATION

Used to seal PVC-U pipes as they pass through cavity walls and floors. In a fire the intumescent lining reacts to extreme heat which expands and blocks a potential fire path.





110mm Ring Seal Soil Material: PVC-U Standard: BS EN 1329-1, BS EN 4514, BS EN 1453-1



| Product | Colour | Code | Product | Colour | Code |
|-------------------------------|----------------|----------------|----------------------------------|------------------|-----------------|
| Pipe-Plain Ended - 3/4m | | | Access Bend | | |
| 3m | B G W AG | SP1 | 92½° (87½°) | B G W AG | SP169 |
| 4m | BG | SP2 | 9272 (6172) | B C W AG | 3F 109 |
| Pipe-Single Socket - 1/3/4m | | | Adjustable Bend 0-90° | | |
| 1m | B G W | SP8 | PP - do not | B G W AG | SP560 |
| 3m | B G W AG | SP3 | solvent weld | P (| 3F300 |
| 4m | B G W | SP4 | Offset Bend 135° (45°) | | |
| Pipe/Socket Clip | ` | | Ring Seal Top | B G W | SP440 |
| Pipe Clip | B G W AG | SP82 | Solvent Bottom | B G W | 3P44U |
| Socket Clip | BG | SP83 | Spigot | | CD 425 |
| Socket Pipe Coupling | | | Solvent Socket | B G W | SP435 |
| | | CD405 | Branch | · | |
| Double | B G W AG | SP105 | | | |
| | | | 92½° (87½°) | B G W AG | SP190 |
| Single | B G W AG | SP124 | | | |
| Access Pipe | | | 112½° (67½°) | B G W | SP200 |
| | | | | | |
| Socket/Spigot | B G W AG | SP274 | 135° (45°) | B G W | SP210 |
| | | | Double Branch | | |
| Socket/Solvent Socket | BG | SP275 | - Re | | |
| Bend | | | 92½° (87½°) | B G W AG | SP230 |
| | | | Corner Branch (Special order | only) | |
| 92½° (87½°) Socket/Spigot | B G W AG | SP161 | | | |
| | | | 92½° (87½°) | BGW | SP232 |
| 92½° (87½°) Double Socket | B G W AG | SP561 | POA = Price on Application | | |
| | | | Access Branch | | |
| 112½° (67½°) Socket/Spigot | BGW | SP162 | | | |
| | | | 92½° (87½°) | B G W | SP502 |
| 135° (45°) Socket/Spigot | B G W AG | SP163 | Screwed Access Cap | | |
| зоскес/эрідос | | | | | |
| 135° (45°) | B G W AG | SP563 | | B G W AG | SP292 |
| Double Socket | | | | | |
| | Important when | ordoring: Dlaz | se add colour reference to code: | Cross W White AC | Anthoneita Crau |



110mm Ring Seal Soil Material: PVC-U Standard: BS EN 1329-1, BS EN 4514, BS EN 1453-1



| Product | Colour | Code | Product | Colour | Code |
|---------------------------------|---------------|-------|-----------------------------------------|----------|-------|
| Socket Plug | Colour | Code | Vent Terminal | Colour | Code |
| | B G W AG | SP296 | | B G W AG | SP302 |
| Strap Boss | | | Extract Cowl | | |
| S | B G W AG | SP319 | | B G W | SP310 |
| Boss Pipe | | | 500 x 600mm Weathering SI | ate | |
| Socket/Spigot | B G W | SP581 | | N/A | SP320 |
| Socket/Solvent | | | Boss Adaptor - Rubber Push- | Fit | |
| Socket Socket | BG | SP582 | 32mn | N/A | SP10 |
| | | | 40mn | N/A | SP11 |
| Short | B G W AG | SP583 | 50mn | N/A | SP12 |
| Soil Manifold (32/40/50mm Co | onnections) | | Solvent Boss Adaptor | | |
| 3011 Mailliold (32/40/3011111 C | officections) | | 32mn | | SP20 |
| One open boss | BG | SP588 | 40mn | | SP21 |
| | | | 50mn | | SP22 |
| Weathering Collar | | | 110mm Fire Protection Colla | r (€ | |
| a | B G W | SP300 | FC55, FC82 & FC160 available to orde | INI/A | FC110 |

Soil Manifold (SP588) Material: PVC-U Standard: BS EN 1329-1, BS EN 4514, BS EN 1453-1



The FloPlast Soil Manifold is designed to be installed in a soil stack in the corner of a room.

- Helps prevent stack induced siphonage on connecting runs.
- Prevents crossflow design problems.
- 32mm, 40mm, and 50mm connections possible in all inlets.
- Simple push-fit connection for all waste pipes.

| | Α | 268 |
|---------|---|------|
| | В | 210 |
| mm) | C | 102 |
| | D | 149 |
| ensions | Е | 132 |
| ens | F | 85 |
| Di m | G | 110ø |
| | Н | 89 |
| | ı | 75 |

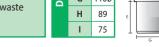


Important when ordering: Please add colour reference to code: B Black G Grey W White AG Anthracite Grey











Reducers Material: PVC-U Standard: BS EN 1329-1, BS EN 4514, BS EN 1453-1

| Product | Colour | Code | Product |
|------------------------------------------------|--------------------|------|---------------------------|
| 110mm Waste Adaptor | | | Universal Wast |
| 9 | B G W | SP95 | |
| To reduce to 32mm, 40mm or 50mm waste, use app | ropriate Boss Adap | tor. | Drain Connecto |
| 110x68mm Rainwater | | | |
| | B G W | SP96 | |
| | | | Universal Pipe |
| 110x82mm Soil | | | |
| 3 | G | SP97 | |
| | | | (Adapts to soil/clay/Cl/o |

| Product | Colour | Code |
|-----------------------------------|-----------------|-------|
| Universal Waste Adapto | or (32/40/50mm) | |
| | N/A | D95 |
| Drain Connector | | |
| mm, | В G | SP107 |
| Universal Pipe Connect | or | |
| | В G | SP140 |
| (Adapts to soil/clay/Cl/drainage) | 1 | |

Soil-WC Connector Material: Polypropylene Standard: BS EN 1329-1, BS 5627

| Product | Colour | Code |
|-----------|--------|-------|
| Swan neck | | |
| | w | SP100 |
| Straight | | |
| | w | SP101 |
| Offset | | |
| | w | SP102 |
| 90° Bend | | |
| | w | SP103 |

| | W | SP104 |
|---------------|---|-------|
| Flexible | | |
| | w | SP106 |
| 14° Connector | | |
| | w | SP108 |

A full range of horizontal pan connectors are available for use with WCs as specified in BS 5627:1984.

Made in polypropylene, they are supplied with an integral sealing diaphragm which allows for up to 5° misalignment in any direction.

Product

250mm Extension







Colour

Code



"CAST IRON" STYLE RAINWATER SYSTEMS



110mm Ring Seal Soil Material: PVC-U Standard: BS EN 1329-1, BS EN 4514, BS EN 1453-1



| _ | | | | | | |
|-----------------------------------------|----------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------|----------|
| Product | Colour | Code | Product | | Colour | Code |
| Pipe-Plain Ended - 1.8m | | | Double Branch - Co | mplete with socket | shroud | |
| | CI | SP9 | | 92½° (87½°) | CI | SP230 |
| 110mm Pipe Coupling (Requires 2 x F | C65 fixi | ngs) | Access Pipe - Compl | ete with socket shro | oud | |
| | CI | SP115 | | (Socket/Spigot) | CI | SP274 |
| Pipe Clip (Requires 2 x FC65 fixings) | | | Boss Pipe - Complet | e with socket shrou | d | |
| Ω | CI | SP84 | | (Socket/Spigot) | CI | SP581 |
| 8mm Pipe Spacer Bracket | • | | Strap Boss | | | |
| | CI | SP89 | | | CI | SP319 |
| Bend - Complete with socket shroud | | | Solvent cement can be used wit | n caution, alternatively use ext | ernal silicone | sealant. |
| 92½° (87½°) | | | 110mm Vent Termir | nal | | |
| Socket/Spigot | CI | SP161 | | | CI | SP302 |
| 92½° (87½°) Double Socket | CI | SP561 | 110mm Weathering | Collar | | |
| Double Journel | | | | | | |
| 135° (45°) Socket/Spigot | CI | SP163 | | | CI | SP300 |
| | | | 500x600mm Weath | ering Slate | | |
| 135° (45°) Double Socket | CI | SP563 | 0 | | N/A | SP320 |
| Access bend - Complete with socket shro | ud | | Cast Iron Fixings* | | | |
| 92½° (87½°) | CI | SP169 | The second secon | | CI | FC65 |
| Branch - Complete with socket shroud | | | | | | |
| 92½° (87½°) With side bosses | CI | SP190 | *12 gauge x 65mm S range (Socket Fixing Stainless Steel bolt, 1 | s). The FC65 is a 12 g | gauge x 6 | 55mm |
| 92½° (87½°) Without side bosses | CI | SP192 | tighten it. When fixing product | to concrete, brick, b | olock etc | fix FC65 |

Important when ordering: Please add colour reference to code: a "Cast Iron" Style

in the same way as any other screw by using a plug type fixing, and into timber by pilot drilling a starter hole first.



110mm Solvent Soil Material: PVC-U Standard: BS EN 1329-1



| Product | | Colour | Code |
|-------------------------|------------------------------------|--------|-------|
| Pipe-Plain Ended - 3/4m | | | |
| | 3m | B OG | SS1 |
| | 4m | B OG | SS2 |
| Pipe Clip | | | |
| 2 | | в OG | SS82 |
| Pipe Coupling | | | |
| | Double Socket | B OG | SS106 |
| | Single Socket Solvent/Ring Seal | B OG | SS107 |
| Offset Bend 135° (45°) | | | |
| | Ring Seal Top Solvent Bottom | B OG | SS440 |
| | Spigot/Socket | B OG | SS435 |
| Bend | | | |
| | 92½° (87½°) Double Socket | B OG | SS561 |
| | 135° (45°) Double Socket | в og | SS563 |
| P | 90° Spigot/socket | в og | SS168 |
| Access Bend | | | |
| | 92½° (87½°) Double Socket | B OG | SS569 |
| Branch | | | |
| | 92½° (87½°) Triple socket | B OG | SS191 |
| 30 | 135° (45°) Triple socket | в og | SS211 |

| 1, BS EN 4514, BS EN 1453-1 | KITEMARK* KM 544331 KM 544331 BS EN 1329-1 | KITEMARK" KN 563460 BS EN 1329-1 | KITEMARK* |
|-----------------------------|-----------------------------------------------|-----------------------------------|------------|
| | 85 EN 1329-1 | 8S EN 1329-1 | 8S EN 1453 |
| Product | | Colour | Code |
| Access Branch | | | |
| 30 | 92½° (87½°) Triple Socket | В ОС | SS503 |
| Vent Terminal | | | |
| | | B OG | SS302 |
| Short Boss Pipe | | | |
| | | В ОС | SS583 |
| Strap Boss | | | |
| 0 | | B OG | SS319 |
| Boss Adaptor | | | |
| | 32mm | B OG | SS20 |
| | 40mm | B OG | SS21 |
| | 50mm | B OG | SS22 |
| Access Pipe | | | |
| | Double Socket | B OG | SS275 |
| Screwed Access Cap | | | |
| | | B OG | SS292 |
| | | | |











| Product | Colour | Size | Code | Product | Colour | Size | Code |
|----------------------|----------|------|------|---------------------|----------|-------------|------|
| Wastepipe - 3m | | | | Access Plug | | | |
| | B G W AG | 32mm | WS01 | | B G W AG | 32mm | WS30 |
| | B G W AG | 40mm | WS02 | | B G W AG | 40mm | WS31 |
| | B G W | 50mm | WS03 | | B G W | 50mm | WS32 |
| Straight Coupling | | | | Pipe Clip | | | |
| | B G W AG | 32mm | WS07 | 6 | B G W AG | 32mm | WS34 |
| | B G W AG | 40mm | WS08 | | B G W AG | 40mm | WS35 |
| | B G W | 50mm | WS09 | | B G W | 50mm | WS36 |
| Bend 90° | | | | Reducer | | | |
| | B G W AG | 32mm | WS10 | | B G W AG | 40x32mm | WS38 |
| | B G W AG | 40mm | WS11 | | B G W AG | 50x32mm | WS39 |
| | BGW | 50mm | WS12 | | BGW | 50x40mm | WS40 |
| Bend 92½° (87½°) | | | | Branch 135° (45°) | | | |
| | B G W AG | 32mm | WS14 | 03 | w | 32mm | WS42 |
| | B G W AG | 40mm | WS15 | | GW | 40mm | WS43 |
| | B G W | 50mm | WS16 | Level Invert Reduce | er | | |
| Bend 135° (45°) | | | | | w | 40x32mm | WS50 |
| | B G W AG | 32mm | WS18 | | LW. | 40/32/11/11 | W330 |
| | B G W AG | 40mm | WS19 | Cross Tee 92½° (87 | /2°) | | |
| | B G W | 50mm | WS20 | | w | 40mm | WS58 |
| Tee | | | | | <u> </u> | 40111111 | W330 |
| | B G W AG | 32mm | WS22 | Tank Connector | | | |
| | B G W AG | 40mm | WS23 | | G W | 32mm | WS60 |
| | B G W | 50mm | WS24 | | G W | 40mm | WS61 |
| Conversion Bend 9 | 0° | | | Male Adaptor | | | |
| | B G W AG | 32mm | WS26 | | W | 32mm | WS63 |
| | B G W AG | 40mm | WS27 | | w | 40mm | WS64 |
| | G W | 50mm | WS28 | Female Adaptor | | | |
| 135°(45°) Conversion | on Bend | | | | w | 32mm | WS66 |
| | G W | 32mm | WS76 | | W | 40mm | WS67 |
| | G W | 40mm | WS77 | | | | |



32/40/50mm Push-Fit Waste Systems Material: Polypropylene Standard: BS EN 1451-1, BS 5254

| Product | Colour | Size | Code |
|---------------------|--------|------|--------|
| Wastepipe - 3m | | | |
| | B G W | 32mm | WP01 |
| | B G W | 40mm | WP02 |
| | G | 50mm | WP03 |
| Straight Coupling | | | |
| | B G W | 32mm | WP07 |
| | B G W | 40mm | WP08 |
| | G | 50mm | WP09 |
| Bend 90° | | | |
| | B G W | 32mm | WP10 |
| 0 (0 | B G W | 40mm | WP11 |
| | G | 50mm | WP12 |
| Bend 92½° (87½°) | | | |
| | B G W | 32mm | WP14 |
| 0-0 | B G W | 40mm | WP15 |
| | G | 50mm | WP16 |
| Bend 135° (45°) | | | |
| | B G W | 32mm | WP18 |
| | B G W | 40mm | WP19 |
| | G | 50mm | WP20 |
| Tee | | | |
| | B G W | 32mm | WP22 |
| 100 | B G W | 40mm | WP23 |
| | G | 50mm | WP24 |
| Conversion Bend 90° | | | |
| | B G W | 32mm | WP26 |
| | B G W | 40mm | WP27 |
| Socket Plug | | | |
| | B G W | 32mm | WP30 |
| | B G W | 40mm | WP31 |
| | | | MANDOO |

| Product | Colour | Size | Code |
|-----------|--------|------|------|
| Pipe Clip | | | |
| | B G W | 32mm | WP34 |
| | B G W | 40mm | WP35 |
| | G | 50mm | WP36 |

Reducer

| B G W | 40x32mm | WP38 |
|-------|---------|------|
| G | 50x32mm | WP39 |
| G | 50x40mm | WP40 |

Tank Connector

| B G W | 32mm | WP60 |
|-------|------|------|
| B G W | 40mm | WP61 |

Made in polypropylene, this quick and easy to install waste system incorporating a push-fit ring seal system is available in 32mm, 40mm and 50mm sizes. No solvent welding required.

Waste Systems Fixing Guide

- Install and test system in accordance with BS EN 1610.
- Fix pipe brackets at maximum 1.2m centres vertical and at maximum 0.5m centres horizontal for 32mm and 40mm, 0.6m centres for 50mm.
- An allowance of a 10mm expansion gap on all pushfit joints is required for the expansion of pipes and fittings in each socket of push-fit systems.
- It is recommended that ABS and Polypropylene waste systems where externally installed are protected against prolonged exposure to sunlight with exterior gloss paint.
- For solvent weld systems ensure the pipe is cut square, all swarf removed and cleaning fluid applied to both surfaces of joint. Apply solvent cement evenly to both surfaces of joint, insert pipe fully into the socket depth and remove surplus cement with a cloth. Allow five minutes to set before handling and twelve hours before testing system.

Important when ordering: Please add colour reference to code: B Black G Grey







WP32

50mm



21.5mm Overflow Waste Material: PVC-U

| oduct | Colours | Code | Product | Colours |
|-------------------------|---------|------|----------------------------------------------------------------------------------------|--------------|
| erflow Pipe - 3m | | | Bent Tank Connector | |
| | B W | OS01 | 500 | B W |
| Straight Coupling | | | Pipe Clip | |
| | B W | OS10 | | B W |
| Bend 90° | | | Overflow Waste Reducer | |
| | B W | OS11 | 32mm | BW |
| | ьш | USII | 40mm | B W |
| Bend 135° (45°) | | | Fits into a socket of both push-fit and solvent weld sy | stems. |
| | B W | OS12 | A 21.5mm solvent weld overflow sys an extensive range of fittings to mee requirements. | |
| Tee | | | Fixing Guide | |
| | B W | OS13 | Fix pipe brackets at maximum 0.5 vertical and horizontal runs. | m centres fo |
| Straight Tank Connector | | | No expansion gap required on the overflow system. | e solvent we |
| Co | B W | OS14 | Solvent weld joints in accordance waste systems fixing guide. | with ABS/P |

| Product | | Colours | Code | | |
|---------------------------------------------------------------|--------|------------|--------|--|--|
| Bent Tank Connector | | | | | |
| Fly | | B W | OS15 | | |
| Pipe Clip | | | | | |
| | | B W | OS16 | | |
| Overflow Waste Reducer | | | | | |
| | 32mm | B W | OS17 | | |
| | 40mm | B W | OS18 | | |
| Fits into a socket of both push-fit and solvent weld systems. | | | | | |
| | | | | | |
| A 21.5mm solvent weld overflow | / syst | em in PVC- | U with | | |

- maximum 0.5m centres for both tal runs.
- equired on the solvent weld
- in accordance with ABS/PVC-U guide.

Flexifio Connectors Material: PVC

| Product | Colour | Size | Code |
|----------|--------|-----------|-------|
| Coupling | | | |
| | G | 30-38mm | WF07 |
| | G | 38-45mm | WF08 |
| Elbow | | | |
| | G | 40-48mm | WF11 |
| | G | 105-116mm | SP111 |

System Features

- Flexible range of connectors, suitable for a wide variety of applications.
- Will fit all pipes (PVC/Copper/Lead etc) within each specific size range.
- Elbows must not be used in underground installation situations.



Unicom Compression Waste Systems Material: Polypropylene Standard: BS EN 1451-1, BS 5254

| Product | Colour | Size | Code |
|-------------------------------------------|---------|------|------|
| Wastepipe - 3m* | | | |
| | w | 32mm | WP01 |
| | w | 40mm | WP02 |
| *Also available in black and grey. See pa | nge 39. | | |
| Straight coupling | | | |
| | w | 32mm | WC07 |
| | w | 40mm | WC08 |
| Bend 90° | | | |
| | w | 32mm | WC10 |
| | w | 40mm | WC11 |
| Adjustable Bend 0-90° | | | |
| ed7/20 | w | 32mm | WC14 |
| Prof. | w | 40mm | WC15 |
| Bend 135° (45°) | | | |
| | w | 32mm | WC18 |
| | w | 40mm | WC19 |

| Product | Colour | Size | Code |
|---------------------|--------|---------|------|
| Tee | | | |
| | W | 32mm | WC22 |
| | W | 40mm | WC23 |
| Conversion Bend 90° | | | |
| C) | W | 32mm | WC26 |
| | w | 40mm | WC27 |
| Reducer | | | |
| 00 | w | 40x32mm | WC38 |
| Flexi-Tube | | | |
| | w | 32mm | FT32 |
| | w | 40mm | FT40 |

"Chrome" Style Unicom Compression Waste Systems Material: Polypropylene Standard: BS EN 1451-1, BS 5254

| Product | Colour | Size | Code | | |
|------------------------|--------|------|------|--|--|
| Wastepipe (ABS) - 1.1m | | | | | |
| | CH | 32mm | CW01 | | |
| | CH | 40mm | CW02 | | |
| Straight Coupling | | | | | |
| | CH | 32mm | CW07 | | |
| | CH | 40mm | CW08 | | |
| Bend 90° | | | | | |
| 0,000 | CH | 32mm | CW10 | | |
| | CH | 40mm | CW11 | | |

| Product | Colour | Size | Code | | |
|----------------------------------|--------|------|-------|--|--|
| Tee | | | | | |
| T | CH | 32mm | CW22 | | |
| 3 | CH | 40mm | CW23 | | |
| Pipe Clip | | | | | |
| | CH | 32mm | CW34 | | |
| | СН | 40mm | CW35 | | |
| Telescopic Bottle Trap 76mm seal | | | | | |
| | СН | 32mm | CT37T | | |
| | СН | 40mm | CT47T | | |



Waste Traps Material: Polypropylene Standard: BS EN 274-1

| Product | Colour | Size | Code | Product | Colour | Size | Code |
|-------------------------------------|----------|-------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|---------------|
| P Trap - 38mm seal | | | | Single Bowl Sink Kit - 76 | mm seal | | |
| | w | 32mm | TP33 | | w | 40mm | TW47 |
| C. S. | w | 40mm | TP43 | -39% | | 40111111 | 1 44-47 |
| P Trap - 76mm seal | | | | 1 1/2 Bowl Sink Kit | | | |
| | w | 32mm | TP37 | e I | w | 40mm | TW47 |
| | w | 40mm | TP47 | The state of the s | | 40111111 | 1 VV-+7 |
| S Trap - 38mm seal | | | | Double Bowl Sink Kit - 76 | 5mm seal | | |
| Pa | w | 32mm | TS33 | | Twee . | 40 | T\A/47 |
| | w | 40mm | TS43 | | w | 40mm | TW47 |
| S Trap - 76mm seal | ` | | | Double Nozzle Trap - 76r | nm seal | | |
| 98 | w | 32mm | TS37 | | [] | | T) A / A 7 |
| Q1 | w | 40mm | TS47 | | W | 40mm | TW47 |
| Telescopic P Trap - 76mr | n seal | | | Appliance Half Traps - 76 | mm seal | | |
| | w | 40mm | TP47T | | w | 40mm | TW47 |
| Shallow Bath Trap - 38m | m seal | | | Appliance Half Traps - 76 | imm seal | | |
| | | | | 900 | | | |
| | w | 40mm | TSB42 | | w | 40mm | TW47 |
| With cleaning eye and 20mm seal | | | | Bottle Trap - 38mm seal | | | |
| Low Level Bath Trap - 50 | mm seal | | | | w | 32mm | TB33 |
| PA | w | 40mm | TLB45 | | w | 40mm | TB43 |
| | | - | | Bottle Trap - 76mm seal | | | |
| Washing Machine Trap | | | | 0 | w | 32mm | TB37 |
| (D) | w | 40mm | TW470 | | w | 40mm | TB47 |
| | | | | Anti Vac Bottle - 76mm s | eal | | |
| Washing Machine Kit - 7 | 6mm seal | | | So | w | 32mm | TB37 <i>A</i> |
| | w | 40mm | TW471 | THE STATE OF THE S | w | 40mm | TB47 <i>A</i> |
| 0 | | TOTAL | 1 ** 7/1 | Telescopic Bottle Trap - 7 | 6mm sea | I | |
| Includes 600mm stand pipe and 2 cli | | | | I | W | 32mm | TB371 |
| Running 'P' Trap - 76mm | seal | | | | w | 40mm | TB471 |
| | w | 40mm | TR47 | | | | |



Waste Traps Material: Polypropylene Standard: BS EN 274-1

| oduct Colour Size Code ain Swivel Elbow W 32mm WC26 W 40mm WC27 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| W 32mm WC26 |
| 52 |
| W 40mm WC27 |
| |
| ashing Machine Tee |
| W 40mm TWT41 |
| ashing Machine/Dishwasher Nozzle |
| W 40mm THC40 |
| |
| erflow & Hose Connector |
| verflow & Hose Connector w 40mm THC41 |
| 4 |
| W 40mm THC41 |
| w 40mm THC41 |
| w 40mm THC41 ap Height Adjustor w 32mm TA33 |
| W 40mm THC41 T |

| Product | | Colour | Size | Code |
|---------------|--------------|--------|---------|------|
| Shower Traps | • | | | |
| (W) | Plastic grid | w | 40x19mm | TH41 |
| 1 | Chrome grid | w | 40x19mm | TH43 |
| | Plastic grid | w | 40x50mm | TH51 |
| | Chrome grid | w | 40x50mm | TH53 |
| FastFlo Show | er Trap | | | |
| | | G | 40x50mm | TH52 |
| Wet Room Sho | ower Trap | | | |
| | | w | 40x50mm | TH54 |
| Trap Seal Kit | s (4 piece) | | | |
| | | N/A | 32mm | TK32 |
| | | N/A | 40mm | TK40 |

"Chrome" Style Waste Traps Material: Polypropylene Standard: BS EN 274-1

| Product | Colour | Size | Code |
|----------------------------|---------|------|-------|
| Telescopic Bottle Trap 76n | nm seal | | |
| | СН | 32mm | CT37T |
| | СН | 40mm | CT47T |

Patent No. GB2362658. Reg. Design No. 2092016

System Features

- Enhances the area for visible installations.
- Ideal for all public areas, hotels, pubs & restaurants.
- Fits ABS, PVC, Copper & Polypropylene pipes.
- Gives an authentic chrome effect.



Ancillaries

| Product | Code | Product | Code |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------|-------|
| 40ml Compressed Silicone Lubricant Spray | | 100g Silicone Grease | |
| | SL40 | | SG100 |
| 50g Silicone Lubricant Gel | | 125ml Solvent Cement (€ | |
| | SL50 | Participan | SC125 |
| 800g Lubricant Gel | | 250ml Solvent Cement ← | |
| Parties of Tables of Table | SG800 | PinPast . | SC250 |

| Number of joints achievable (for guidance only) | | | | | | |
|-------------------------------------------------|------|------|------|-------|--|--|
| Lubricant | 32mm | 40mm | 50mm | 110mm | | |
| 100g Silicone Grease | 160 | 120 | 100 | 60 | | |
| 800g Lubricant Gel | 1200 | 950 | 800 | 450 | | |
| 50g Lubricant Gel | 75 | 59 | 50 | 28 | | |
| 40ml Silicone Spray | 600 | 420 | 400 | 225 | | |

| Number of joints achievable (for guidance only) | | | | | | | | | |
|-------------------------------------------------|------|------|------|-------|--|--|--|--|--|
| Solvent Cement | 32mm | 40mm | 50mm | 110mm | | | | | |
| 125ml | 27 | 27 | 27 | 7 | | | | | |
| 250ml | 55 | 55 | 55 | 15 | | | | | |

Compatibility Chart

| | 110mm Above | Push-Fit Waste (PP) | | | Solvent Weld Waste (ABS) | | |
|---------------------|-----------------|---------------------|------|------|--------------------------|------|------|
| Manufacturer | Ground Drainage | 32mm | 40mm | 50mm | 32mm | 40mm | 50mm |
| Hepworth | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| Brett Martin | ~ | ✓ | ~ | ~ | ~ | ~ | ~ |
| Osma | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| Polypipe Terrain | V | ~ | ~ | ~ | ~ | ~ | ~ |
| Marley | ~ | V | ~ | ~ | ~ | ~ | ~ |
| Hunter | V | V | ~ | ~ | ~ | ~ | ~ |



Accreditation

Soil & Waste Systems

- 110mm Ring Seal Soil System PVC-U BS EN 1329-1/BS 4514.
- 110mm Solvent Weld Soil System PVC-U BS EN 1329-1/BS 4514.
- 110mm Access Fittings BS 4514.
- Air Admittance Valves BS EN 12380.
- W.C Pan Connectors Polypropylene (PP) BS EN 1329-1/BS 5627.
- Push-Fit Waste System Polypropylene (PP) BS EN 1451-1/BS 5254.
- ABS Solvent Weld Waste System BS EN 1455-1/BS 5255.
- "Chrome" Style/White Unicom Universal Compression Waste System BS 5254/BS EN 1451-1.
- "Chrome" Style/White Waste Traps BS EN 274.
- 21.5mm Overflow Waste System.

Further guidance should also be sought by reference to:

- BS EN 12056 Gravity Drainage Systems inside Buildings
- BS 8000 -13 Workmanship on building sites.
 Code of practice for above ground drainage and sanitary appliances.

The Building Regulations 2000

- Approved Document H Drainage and Waste Disposal:2002
- Approved Document B Fire Safety:2000.







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