

**M<sup>c</sup>ALPINE**  
Plumbing Products

# Condensate Products

## For Connecting Condensate Discharge from Condensing Boilers to Sanitary Pipework



# Condensate Products for Connecting Condensate Discharge

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

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

### 200mm Flexible Connector

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Code	<b>CONFLEX-200</b>
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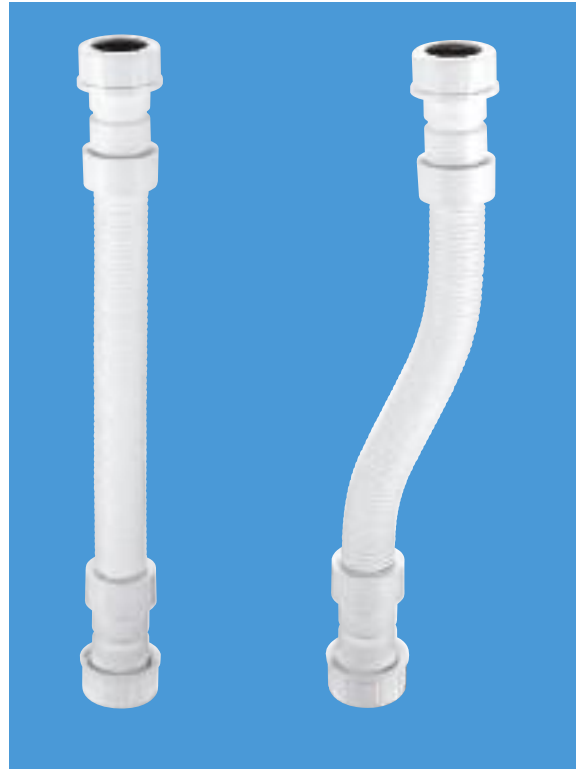
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### 300mm Flexible Connector

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Code	<b>CONFLEX-300</b>
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## Flexible Condensate Pipe Kit

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



### Flexible Condensate Pipe Kit - contents

- 1 x 3m length of 25mm flexible pipe
- 6 x 25mm pipe clips
- 2 x straight connectors with universal connections suitable for 19/23mm rigid pipe and 25mm flexible pipe
- 1 x 1/2" plain tail ABS solvent weld reducer to 19/23mm rigid pipe and 25mm flexible pipe

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Code	<b>CONFLEX-KIT1</b>
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# from Condensing Boilers to Sanitary Pipework

## Soakaway - Container for use with limestone chippings. External use only



**110mm x 300mm x 1¼"/1½" Pipe top and side Inlet Connections** to receive discharge from a condensing boiler. 19/23mm x 1¼" fitting provided to increase size of discharge pipe before it passes through the external wall

Code	<b>SOAK1GR</b>
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## Basin and Sink Traps



**1¼" x 75mm Water Seal Tubular Swivel Basin Trap** with adjustable inlet and connection for 19/23mm pipe. Supplied with blanking cap

Code	<b>ASA10-SP*</b>
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**1½" x 75mm Water Seal Tubular Swivel Sink Trap** with adjustable inlet and connection for 19/23mm pipe. Supplied with blanking cap

Code	<b>ASC10-SP*</b>
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**1½" x 75mm Water Seal Tubular Swivel Sink Trap** with adjustable inlet, nozzle for discharge hose of domestic appliance and connection for 19/23mm pipe. Supplied with blanking cap

Code	<b>ASC10-CO*</b>
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**19/23mm Inlet and Outlet x 75mm Water Seal Offset Trap** to receive discharge from a condensing boiler. Supplied with support clip

Code	<b>OBT1-CO</b>
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**34mm Open Inlet x 75mm Water Seal Offset Trap x 19/23mm Outlet** to accept flexible pipe from a condensing boiler. Supplied with support clip

Code	<b>OBT2-CO</b>
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*All traps marked\* available as anti-syphon (Silentrap). Add suffix 'V' to code. See main catalogue for technical details*

## Auxiliary Fittings



**Pipe Clamp to suit 1 1/4"/1 1/2" Pipe** to BS EN 1451-1:2000/ BS EN 1329-1:2000 with universal connection for 19/23mm rigid pipe

Code (Grey) **CLAMP1GR**

Code (White) **CLAMP1WH**



**1 1/2" x 1 1/2" x 19/23mm Universal Slip Tee** with universal connection for 19/23mm rigid pipe

Code **V1MX-CO**



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

Code **CONVALVE**



**Straight Connector** with universal connections for 19/23mm rigid pipe and 25mm flexible pipe

Code **R1M-CO**



**50mm Tun Dish** with 19/23mm pipe outlet

Code **TUN-2**

## Mechanical Soil Pipe Boss Connectors



**Mechanical Soil Pipe Boss Connector 57mm hole saw size.** Supplied with fixing tool

4"/110mm x 1 1/4" pipe Code **BOSSCONN110-BL**

4"/110mm x 1 1/2" pipe Code **BOSSCONN110T-BL**

4"/110mm x 1 1/4" pipe Code **BOSSCONN110-GR**

4"/110mm x 1 1/2" pipe Code **BOSSCONN110T-GR**



**Two-Piece Cast Iron Soil Pipe Boss Connector to suit 22mm drill size.** Supplied with fixing tool

4"/100mm x 1 1/4" pipe Code **BOSS110CAST-BL**

4"/100mm x 1 1/2" pipe Code **BOSS110TCAST-BL**

3 1/2"/90mm x 1 1/4" pipe Code **BOSS90CAST-BL**

3 1/2"/90mm x 1 1/2" pipe Code **BOSS90TCAST-BL**

3"/82mm x 1 1/4" pipe Code **BOSS82CAST-BL**

3"/82mm x 1 1/2" pipe Code **BOSS82TCAST-BL**



**Mechanical Soil and Rainwater Pipe Boss Connector** for 1 1/4" pipe

Code **BOSSCONN1.25BL**

Code **BOSSCONN1.25GR**



**Mechanical Soil and Rainwater Pipe Boss Connector** for 19/23mm pipe

Code **BOSSCONN-22MM**



**Reducer in ABS 1 1/4" plain tail x 19/23mm universal connection**

Code **R16-BL**

Code **R16-GR**

## Guidelines on Condensate Discharge Installation

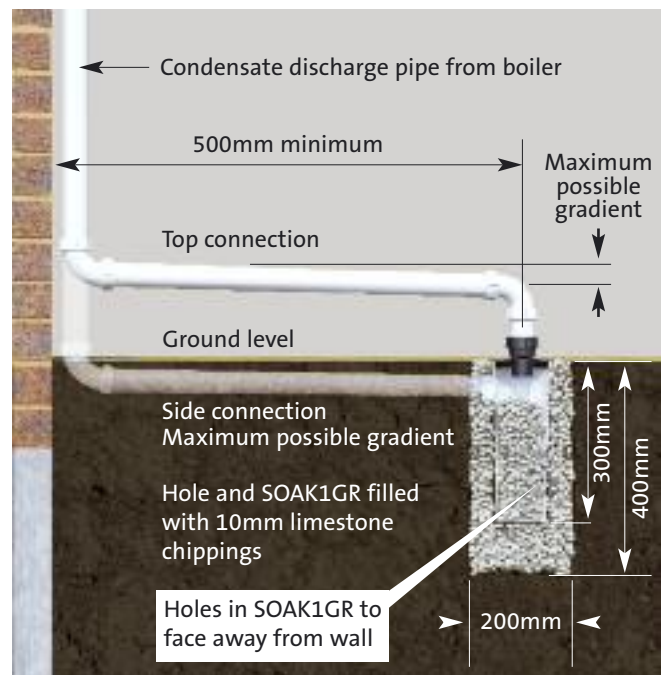
- The condensate from the boiler should, where possible, be discharged into the internal drainage of the household drainage system
- Internal condensate discharge pipework must be a minimum diameter of 19mm (which is generally viewed as 22mm OD) and must be of corrosion-free plastic pipe
- The discharge pipework must 'fall' at least 45mm per metre away from the boiler and take the shortest possible route to the discharge point or waste system
- It is recommended if the condensate pipework has to be taken externally to the termination pipe, the pipework should be no less than 32mm in diameter. The external pipework should be as short in length as possible and should be protected with waterproof lagging from extreme weather conditions
- Where the boiler already has an internal trap, no other trap should be installed as this will cause the boiler trap to malfunction
- Waste pipe fittings should be kept to a minimum as the discharge flow should be as free as possible
- If the discharge pipe is terminated into a gully, the pipe should be cut below the grating cover and above the water level. The pipe end entering the gully should be cut at 45°

### External Installation to a Soakaway

- When installing a soakaway the ground conditions must be taken into consideration. It is recommended that the soakaway is not installed near any service pipework such as water or electrical mains cables and the installation of the soakaway should be a minimum of 500mm away from the building
- The M<sup>c</sup>Alpine soakaway should be installed in a hole depth of approximately 400mm minimum x 200mm in diameter. The soakaway should then be placed in the hole with the cut holes in the soakaway facing away from the foundations of the building. The soakaway should then be filled with 10mm limestone chippings

### Soakaway Installation

- The condensate pipework may terminate above or below ground level. If above ground the condensate pipe must be protected with a waterproof lagging. The pipe end entering the soakaway must be at a depth of 25mm minimum and the end of the pipe cut at 45°
- It is recommended that the soakaway is inspected during the annual service of the boiler



**Note:** *The Building Regulations and boiler manufacturers' installation instructions/recommendations should always be followed as per BS 6798:2009*



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