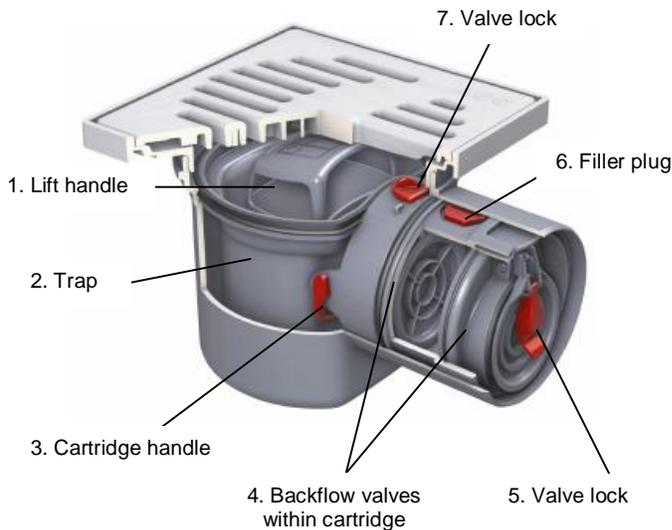


ACO Junior – Backflow floor drain Maintenance Guide

The ACO Junior backflow valve (pipe size Ø110) is top accessible for 6 monthly inspections and maintenance. The foul air trap and internal flaps cartridge are removable for cleaning and testing. ACO Junior is not a suitable rodding point. Any rodding action should take place in an upstream direction of the flow and only AFTER the removal of the foul air trap and the internal flaps cartridge, otherwise damage to the flaps and seals may occur.



Guide to components

- 1 Lift handle**
Allows removal of combined sludge bucket/ foul air trap and access to backflow cartridge.
- 2 Trap**
A combined sludge bucket and foul air trap.
- 3 Cartridge handle**
Seen in the closed position, gently lift and pull back evenly to remove backflow cartridge.
- 4 Backflow cartridge**
Removable, self contained unit that does not require dismantling.
- 5 Valve lock**
Seen in the unlocked position, is only used when testing the rubber water seals.
- 6 Filler plug**
The filling point for leak testing water seals.
- 7 Valve lock**
Locking device for inner valve lock is used to close the inner valve when water testing the seals or during periods of prolonged non-use.

Access and removal



- 1 Remove grating.
- 2 Lift out foul air trap.
- 3 Red cartridge handle is visible.

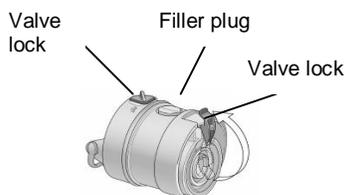


- 4 Gently lift red handle and pull back evenly to release backflow cartridge.



- 5 Carefully ease cartridge upwards out of gully body.
- 6 To replace, reverse steps 1-5.

Seal testing BS EN 13564-2



- 7 Remove backflow cartridge from gully, follow steps 1 to 5 above.
- 8 Thoroughly clean internals and edges of seals with clean water.
- 9 Lock both valves shut.



- 10 Remove red filler plug.
- 11 Screw-in funnel supplied.



- 12 Fill to 100mm graduation mark.
- 13 Leak test must last for 10 minutes during which time the minimum acceptable water loss is 500ml
- 14 To re-test repeat 8 and continue.

ACO Junior – Backflow floor drain

Installation Guide

The ACO Junior backflow floor gully is a type 5 anti-flooding device to BS EN 13564 for grey water, designed to install into solid floor construction. Optional fittings allow an Ø50 Back Inlet utility connection to be made. Variable pipe invert depths from 147mm to 277mm are accommodated. The compact design features a load class K3 grating to BS 1253 which lifts out for easy access and removal of the foul air trap and backflow cartridge.

ACO Junior Backflow Gully
Part no. 105602



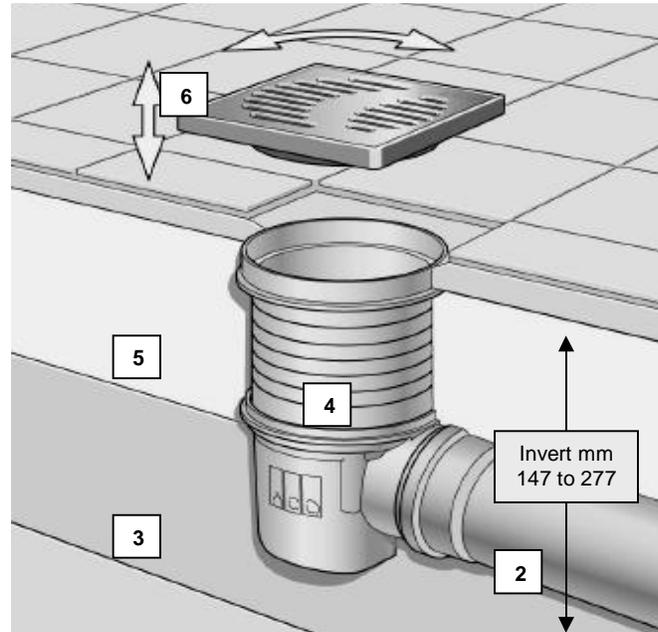
ACO Junior Backflow Gully shown with optional back inlet.
Back inlet option - part No. 105603



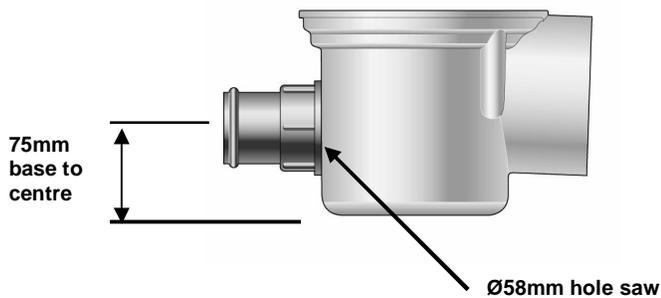
Procedure

- 1 Remove grating & bezel, lift out internal foul air trap and backflow cartridge (see over for procedure).
- 2 Connect pipework (allow 75mm from gully base to centre of back inlet, see below). Apply protection from concrete and rubbish ingress.
- 3 Cast body into slab taking care not to completely cover.
- 4 Fit and shorten extension piece to finished floor level allowing for grate as required.
- 5 Lay insulation and cast screed.
- 6 Adjust grate and lay tiles.
- 7 Refit backflow cartridge, foul air trap and grating (see over for procedure).

Set Up



Fitting the back inlet



- i Form Ø58mm hole with hole saw in position shown. Do **NOT** oversize due to available seal width.
- ii Fit the back inlet adaptor to the drain body ensuring the rubber seal is on the OUTSIDE of the drain body.
- iii Push the flexible connector into the adaptor socket and attach waste pipe using the Multi-fit connector.
- iv Test for water leaks.