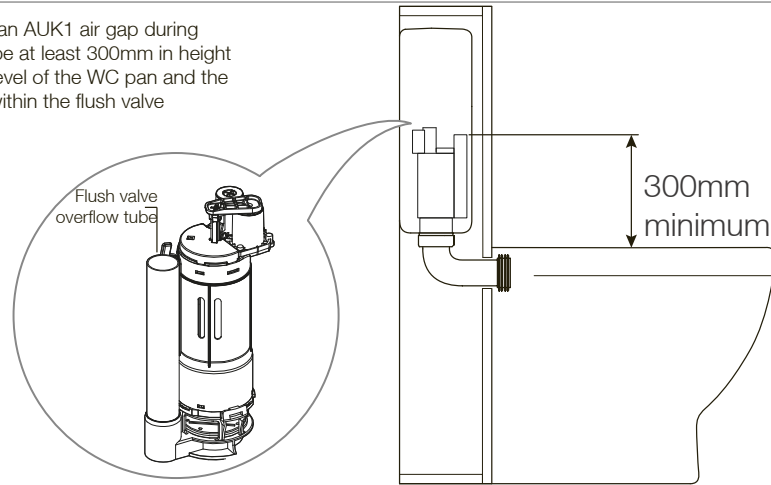
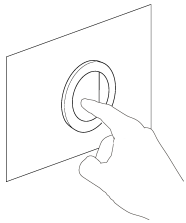


Achieving an AUK1 air gap during installation

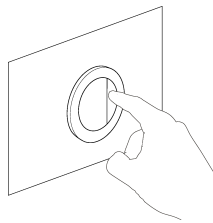
In order to achieve an AUK1 air gap during installation there must be at least 300mm in height between the spillover level of the WC pan and the overflow tube within the flush valve



Operational Instructions



Press large button for long flush.



Press small button for short flush

General Care & Safety

Wall plugs supplied are ONLY suitable for solid stone/brick walls. They are not suitable for use in aerated blocks or similar. If fixing to a stud wall, sufficient extra internal reinforcements must be made to the wall. Screws must locate into suitably reinforced studs and noggins.

Take care using power tools – The use of a residual current device (RCD) is recommended. Beware of hidden cables or pipes when drilling.

This product can be dangerous if installed incorrectly. This product must be installed by a qualified plumber or installer. It is the installer's responsibility to check that the fixings are suitable for the installation in hand.

Cistern fittings are suitable for Water pressure: 0.1 - 10 bar. Do not add caustic chemical substances (e.g. containing chlorine compounds or similar) into the cistern. These can damage the valve components and cause failure.

Before starting to enclose the cistern, the system must be first tested for leaks before 2nd fix commences. Temporarily fix the back to wall pan in place and make connections. Turn the water supply on and flush the pan to check for leaks. This is particularly important to do prior to tiling for fully tiled in installations

This cistern is not suitable for use with wall hung pans without the use of a suitable supporting frame.

Brought to you by the Roper Rhodes Group
Brassmill Lane Trading Estate
Bath
BA1 3JF
t: 01225 303900



21
TR9008
Personal Hygiene
BS EN 14055: 2010 - CL 2 - 6

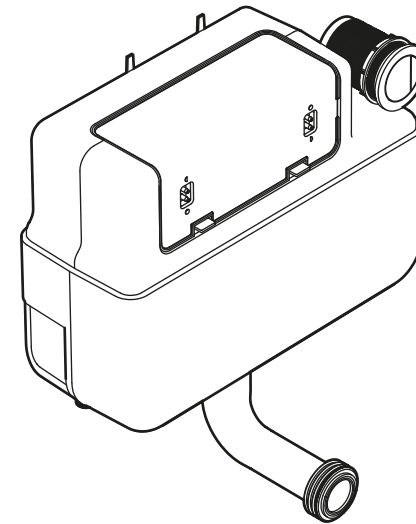
Comfort Height Cistern

with Air Gap Technology

Fitting Instructions

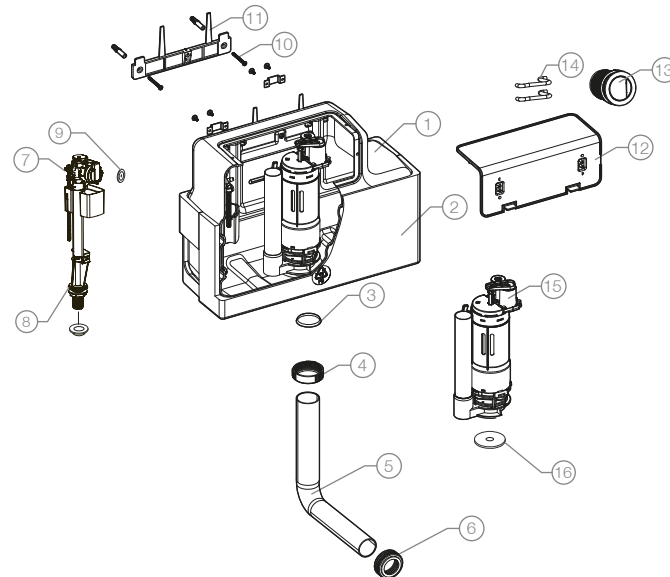
Please read completely first before commencing and retain for future reference

TR9008 / VCHC820



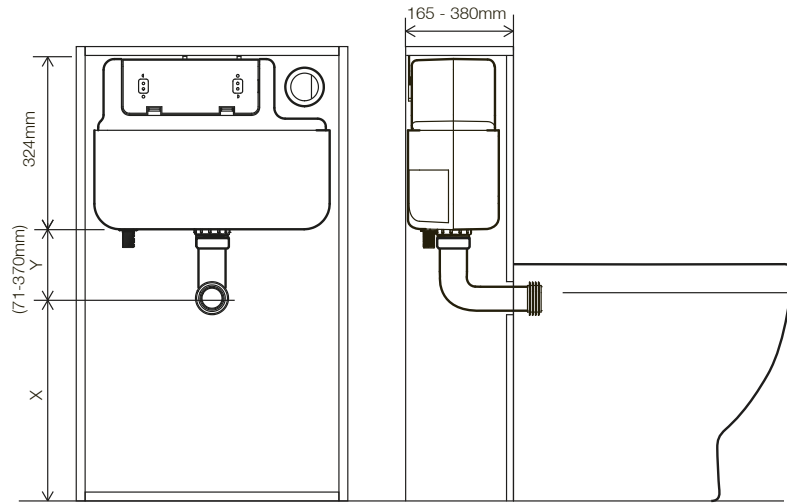
This product must be installed by a qualified fitter or plumber in accordance with and meet the requirements of Water Supply (Water Fittings) Regulations 1999, the Water Supply (Water Fittings) (Scotland) Byelaws 2014 and the Water Supply (Water Fittings) Regulations (Northern Ireland) 2009

Parts Included

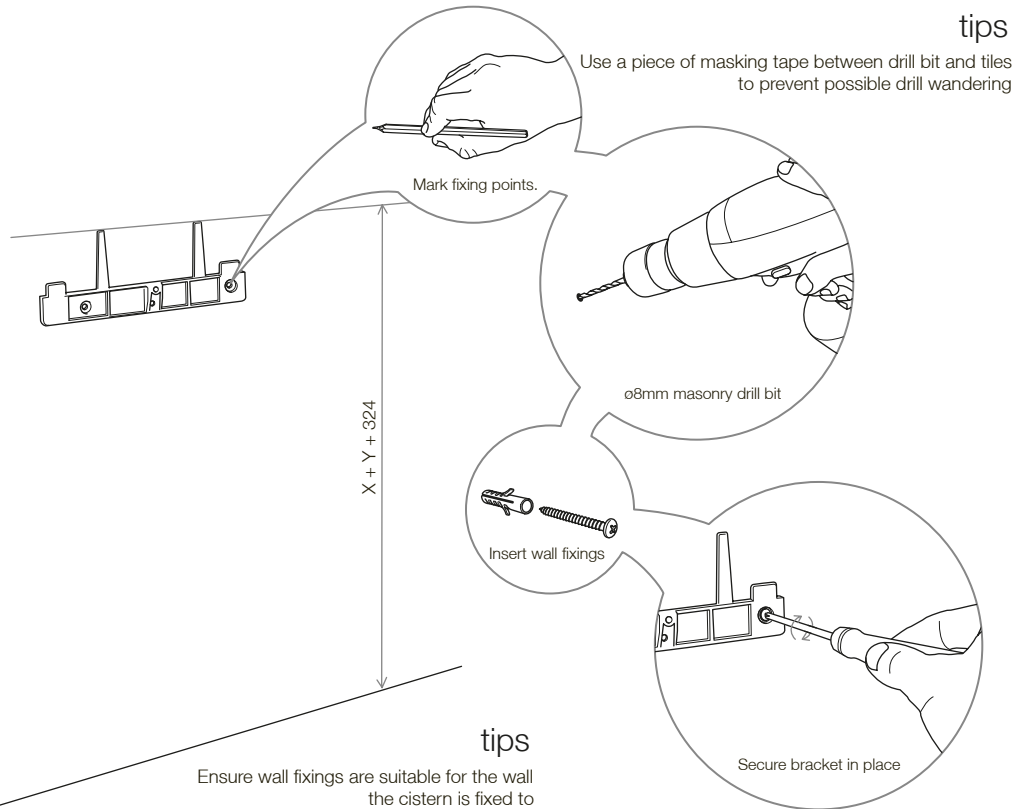


1. Cistern
2. EPS Jacket
3. Conical Seal - SP16847
4. Flush Bend Nut
5. Flush Pipe - SP12167
6. Rubber Pan Seal - SP12170
7. Bottom Entry Fill Valve - SP19745
8. Inlet Valve Washer - SP19757
9. Inlet Valve Diaphragm - SP19756
10. 2 x Attaching Screws - SP16845
11. Mounting Bracket - SP16845
12. Cistern Cover - SP12164
13. Pneumatic Push-button - SP12169
14. Air Hoses - SP17421
15. Flush Valve - SP16844
16. Flush Valve Washer - SP12551

Fitting Dimensions



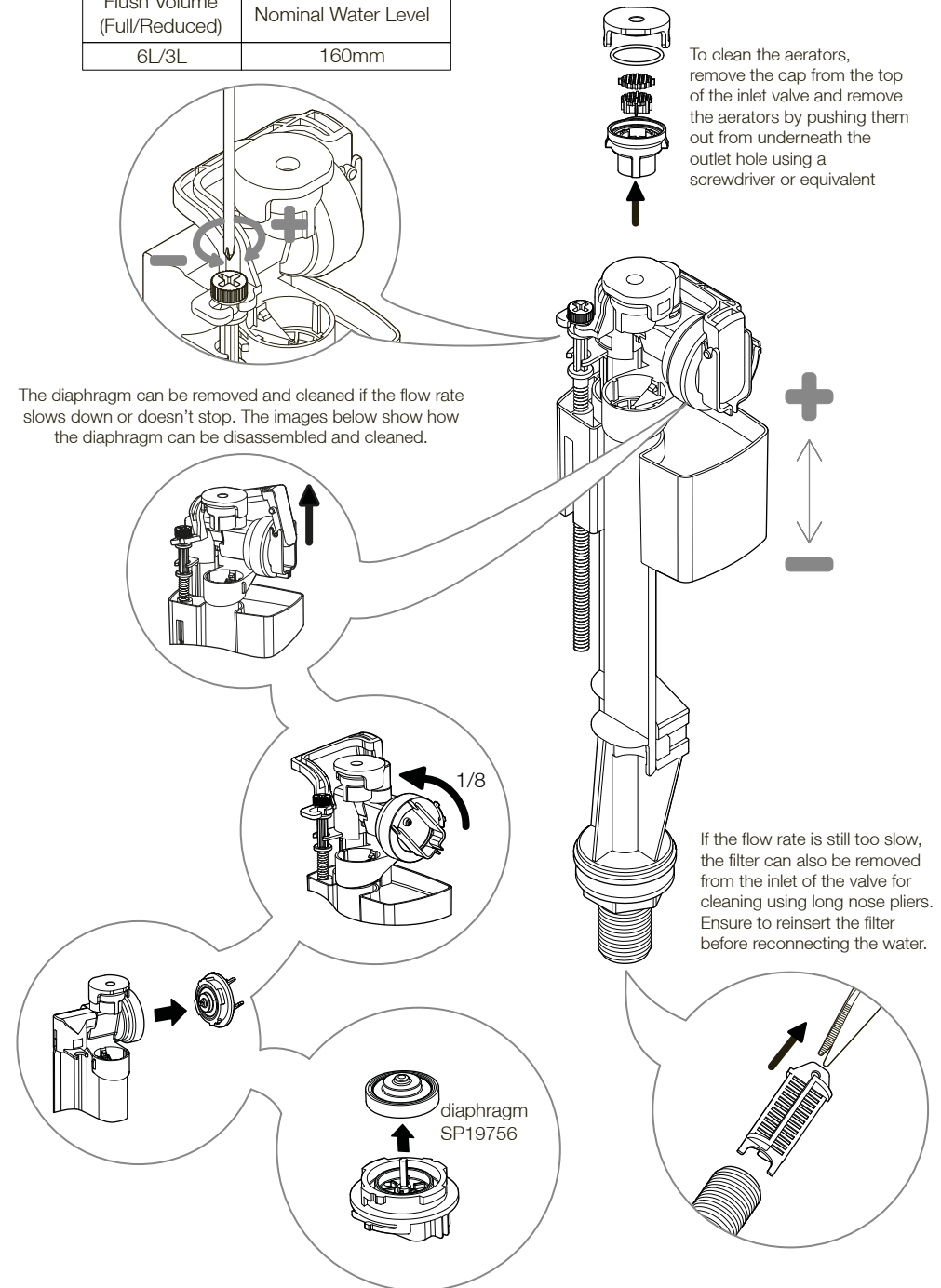
Installation Of The Cistern



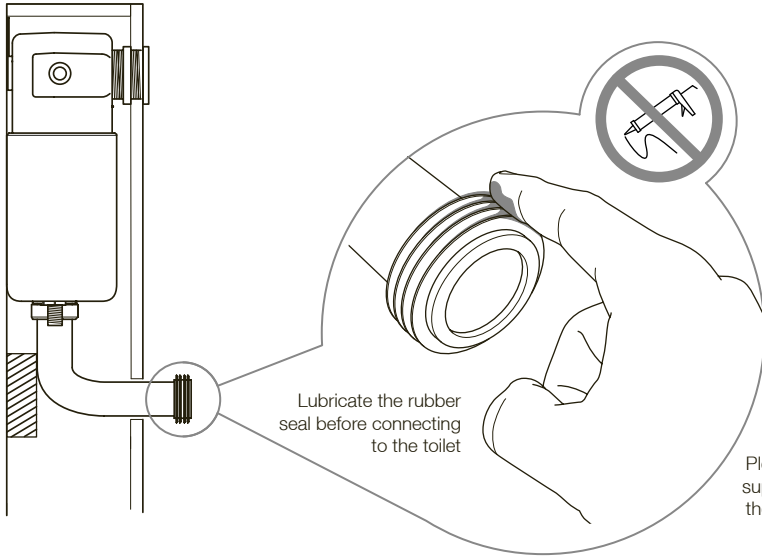
Adjusting The Water Level

By adjusting the fill valve the water level can either be increased or decreased accordingly. Note: the water level within the tank must be between 25-32mm below the overflow tube of the flush valve. The cistern is preset with settings to accommodate this.

Flush Volume (Full/Reduced)	Nominal Water Level
6L/3L	160mm



Fixing The Toilet

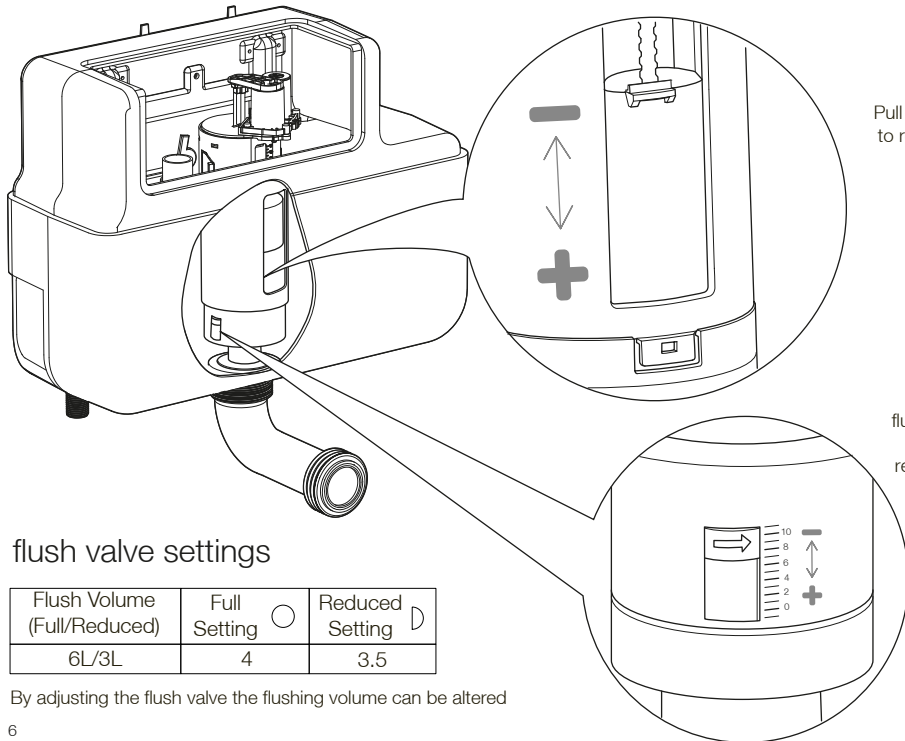


note
Lubricant not supplied, please use a suitable plumber's grease. Silicone MUST NOT be used as this may prevent a seal being formed.

important
Great care must be taken when fixing the toilet. Careful cutting of the pipe and alignment are very important to ensure no leaks occur.

important
Please brace the flush pipe in order to support it when locating the toilet onto the rubber seal. Failure to do so could result in damage to the flush connection

Adjusting The Flush Volume



flush valve settings

Flush Volume (Full/Reduced)	Full Setting	Reduced Setting
6L/3L	4	3.5

By adjusting the flush valve the flushing volume can be altered

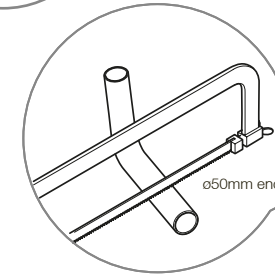
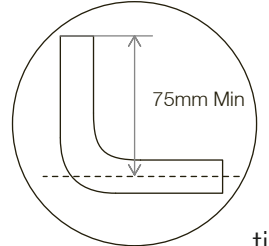


Slide the cistern on to the wall bracket

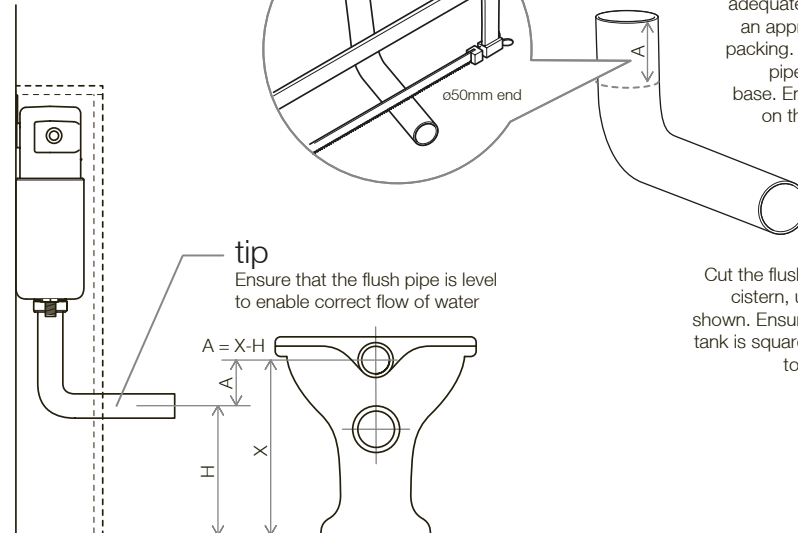
Secure to the wall bracket with the screw provided

tip
If necessary, due to the unit construction, it may be advised to add a block of wood at the base of the cistern to ensure it sits vertically.

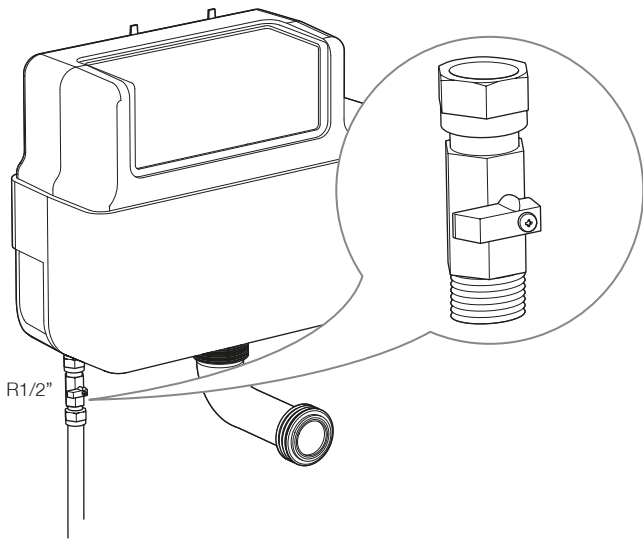
important
Do not tighten the flush valve fixing nut. It has been factory set and tank water tested.



tips
It is recommended that the flush bend be adequately braced against the wall using an appropriate pipe bracket or wooden packing. Place the conical washer on the pipe before inserting into flush valve base. Ensure there is no tension / stress on the connection to the tank as this could cause the fittings to leak.



Cut the flush bend to size and attach to the cistern, using the appropriate fittings, as shown. Ensure alignment to pan from cistern tank is square both vertically and horizontally to allow seal to function correctly.



note

Check valve not included

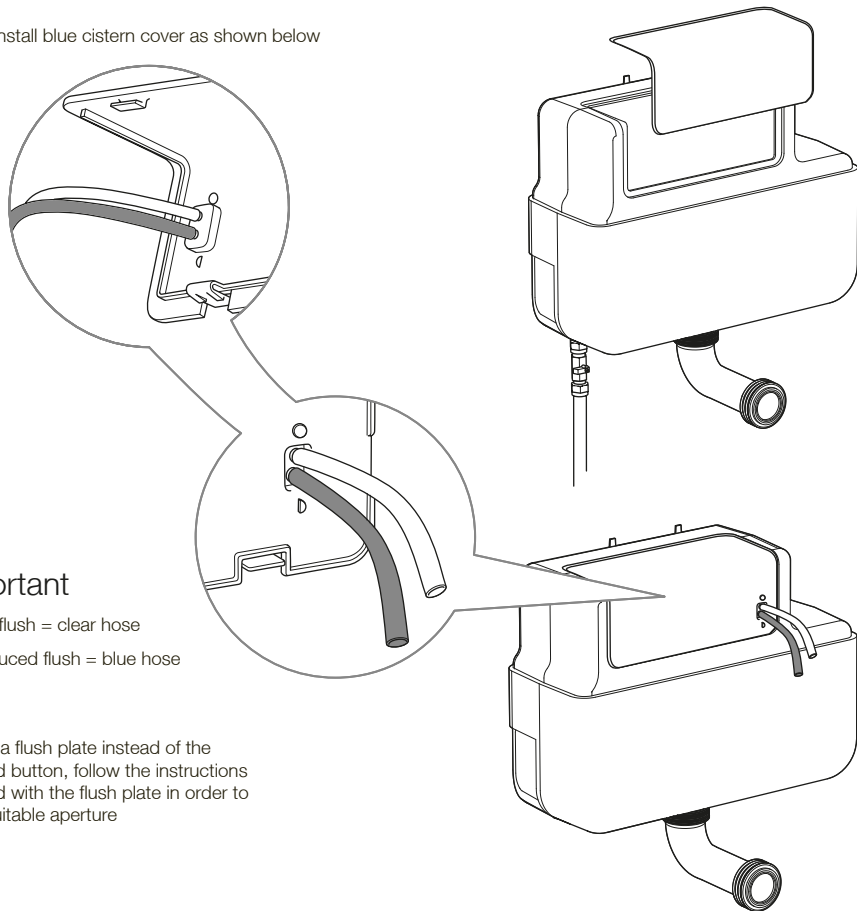
Connect the water supply to the cistern using an approved double check valve to fluid category 3 in addition to an accessible service/ isolation valve.

important

This product is to be installed in a concealed location only.

Installation With A Front Access Fascia

Install blue cistern cover as shown below



important

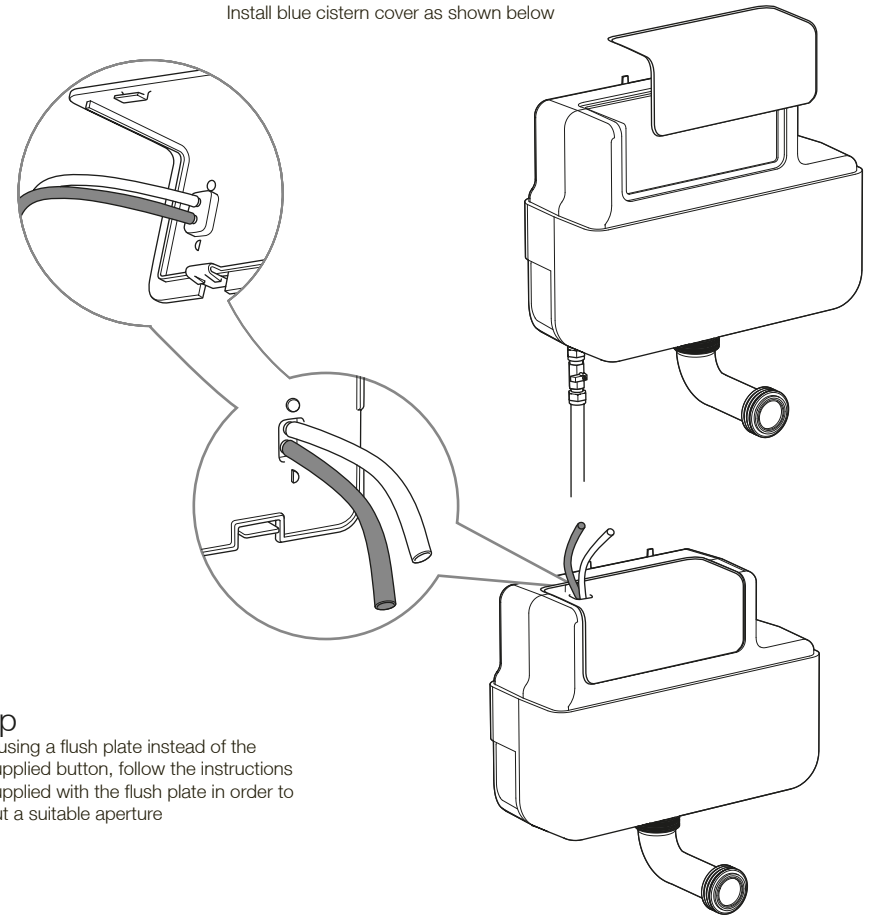
- full flush = clear hose
- ⓓ reduced flush = blue hose

tip

If using a flush plate instead of the supplied button, follow the instructions supplied with the flush plate in order to cut a suitable aperture

Installation With A Top Access Fascia

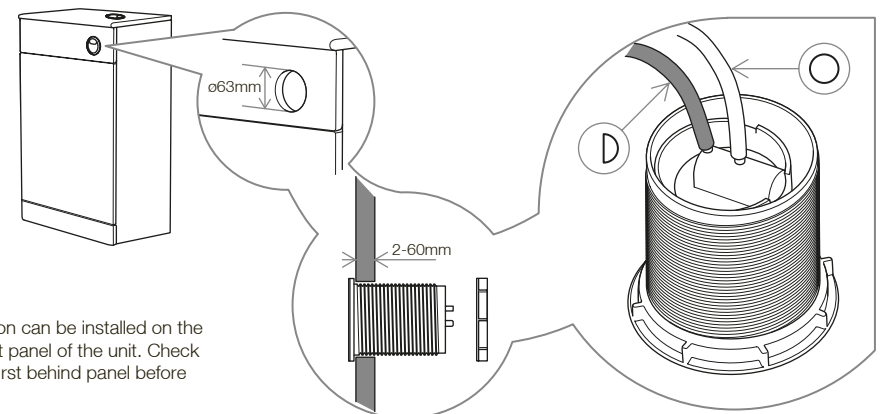
Install blue cistern cover as shown below



tip

If using a flush plate instead of the supplied button, follow the instructions supplied with the flush plate in order to cut a suitable aperture

Installation Of Pneumatic Push-button



tip

The push button can be installed on the top of the front panel of the unit. Check for clearance first behind panel before cutting.

Troubleshooting Guide

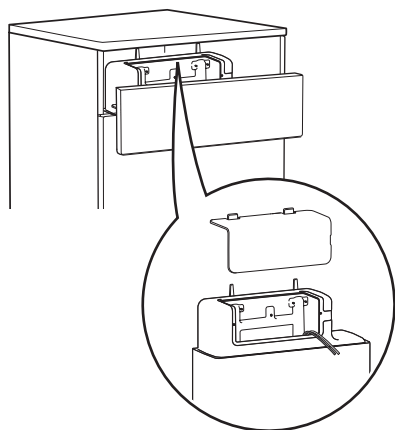
Comfort Height Cistern

Please retain for future reference

TR9008

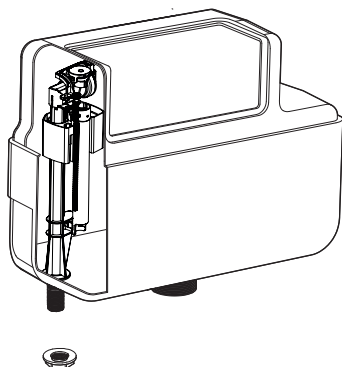
How to remove components

1. Remove fascia panel
2. Remove the blue cover on the cistern



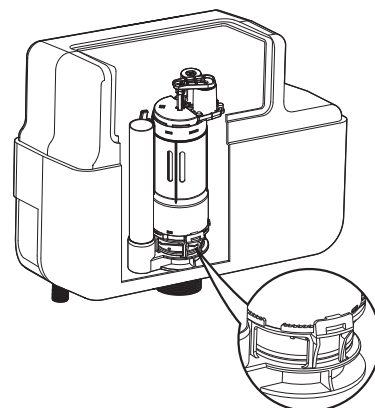
INLET VALVE

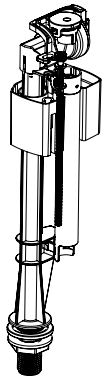
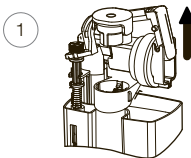
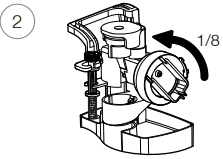
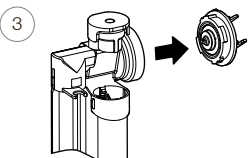
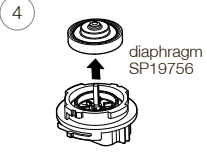
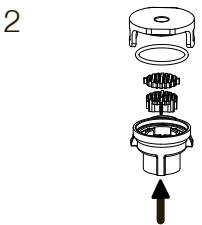
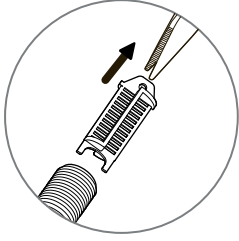
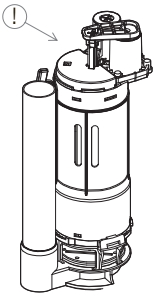
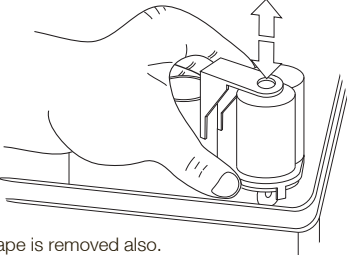
1. Shut off Water Supply and disconnect
2. Unscrew the nut from under the tank
3. Pull out the fill valve

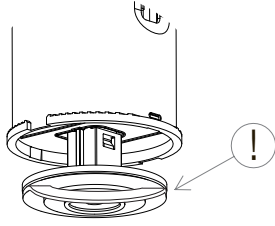
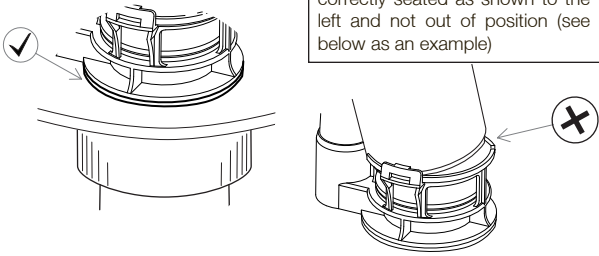
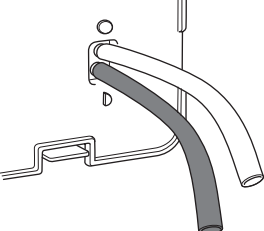
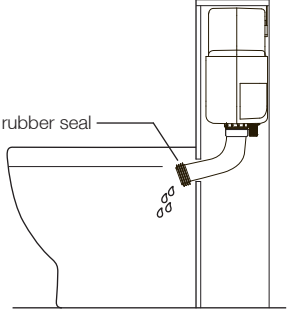
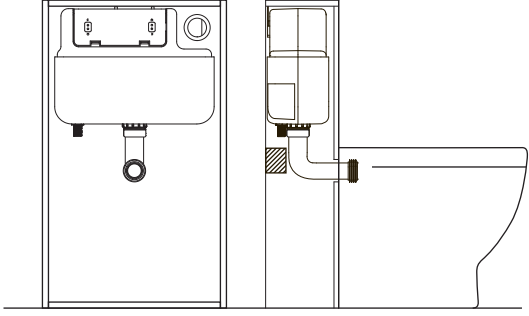
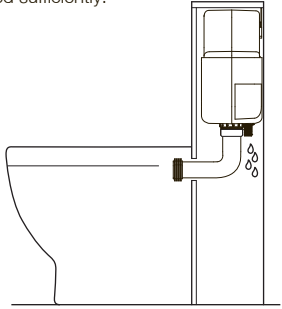
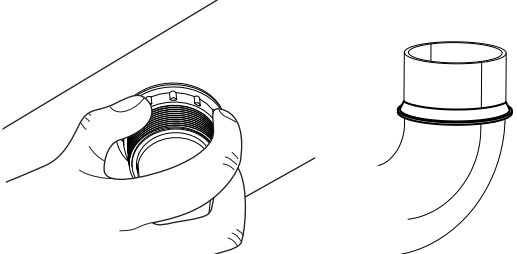
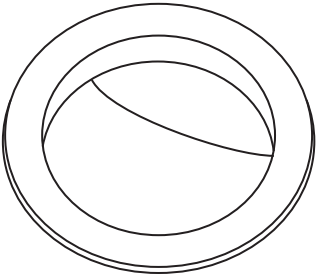


FLUSH VALVE

1. Gently twist & remove flush valve (anti-clockwise) and lift out.



Problem	Potential cause	Suggested action
<p>The Fill Valve does not work or isn't controlling the water supply efficiently.</p>	<p>The inlet valve may be blocked.</p> 	<p>Follow the instructions below and clean the water inlet orifice, diaphragm and cap. If split or scaled up, replace the diaphragm, available as SP19756.</p>       <p>To clean the aerators, remove the cap from the top of the inlet valve and remove the aerators by pushing them out from underneath the outlet hole using a screwdriver or equivalent</p> <p>If the flow rate is still too slow, the filter can also be removed from the inlet of the valve for cleaning using long nose pliers. Ensure to reinsert the filter before reconnecting the water.</p>
<p>Water leaks from the base.</p>	<p>1 The flush valve mechanism may be obstructed or jammed, preventing it from falling back into position.</p> 	<p>Ensure that there is nothing obstructing the flush valve such as air hoses and the valve can extend up and down.</p>  <p>Make sure that transit tape is removed also.</p>

Problem	Potential cause	Suggested action
<p>Water leaks from the base (continued).</p>	<p>2 The rubber flapper seal may have fallen off, may need cleaning or could be damaged.</p> 	<p>Ensure the flapper seal is fixed in position. However, if it is damaged, a replacement is needed, this is available as SP12551.</p> <div data-bbox="1241 152 1533 302" style="border: 1px solid black; padding: 5px;"> <p>NOTE: Before re-fitting the flush valve assembly check the base is correctly seated as shown to the left and not out of position (see below as an example)</p> </div> 
<p>The flush valve does not work properly.</p>	<p>The pneumatic tubes may have been installed incorrectly.</p>	<p>The blue tube must be connected to the joint marked with a half circle,</p> <p>The transparent tube should be connected with the joint marked with a full circle.</p> <p>Ensure the same configuration is used on the flush button</p> 
<p>The pan washer is leaking.</p>	<p>The cistern may have been installed in an incorrect position causing the flush bend to pull out of position, or silicone has been used around the rubber seal.</p> 	<p>Ensure the cistern is in the correct position and ensure the flush bend is fully connected to the pan. If necessary brace the pipe behind to prevent movement, using a block of wood for example. NEVER use silicone on the rubber seal as this will impair the ribs and prevent a proper seal being formed. Please see the instruction manual provided for fitting instructions.</p> 
<p>Water leaks between the cistern and base</p>	<p>The nut connecting the flush bend with the cistern body may not be tightened sufficiently.</p> 	<p>Ensure the nut is fully tightened by hand and the flush pipe is vertically installed into the flush valve. Check that the rubber conical washer is correctly oriented on the pipe before inserting into base of the flush valve.</p>  <p>Note - do not over-tighten</p>
<p>The pneumatic push button doesn't reposition itself once pressed downwards</p>	<p>It may be a fault with the air compression or the button itself could be broken</p> 	<p>Check the pneumatic tubes are connected properly. If the button is faulty then it will have to be replaced with another one, available as SP12169.</p> 