

Installation Instructions

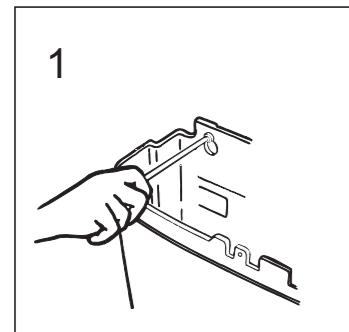
* This Cistern must be installed in accordance with AS/NZS 3500.1

This cistern can be configured to flush 2L, 4L or 6L to suit 1,2 or 3 stall urinals. It is currently set to flush 2L max for single stall urinal.

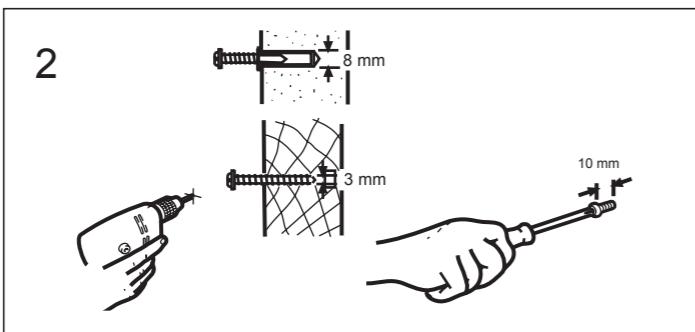
This cistern is supplied with a right hand water inlet. This can be changed by swapping the inlet valve and pullcord guide tube (the button slide and the cord will also need to be changed over).

All cisterns are factory tested but because water pressures vary, the water levels must be set by the installer.

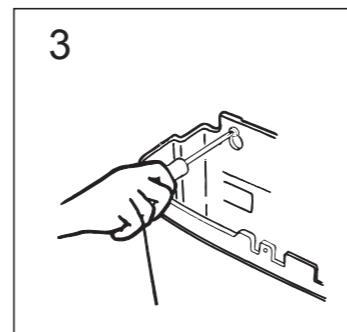
Inlet valve operating pressure range 30kPa to 1000kPa



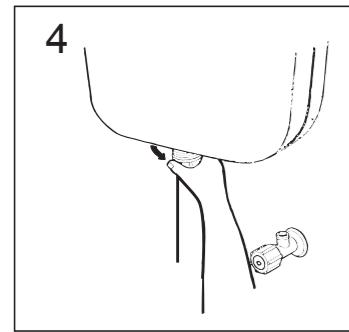
Remove the cistern lid by squeezing the lid on both sides. Hold cistern against wall in the exact position required, ensure that it is level and mark through the mounting holes



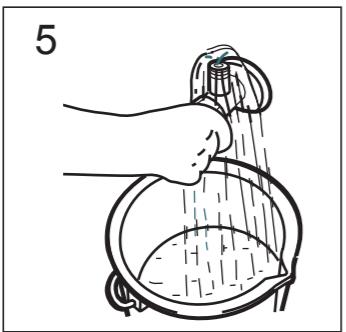
In masonry, drill 8mm diameter holes and insert the plugs provided. In timber, drill 3mm diameter pilot holes. Install the fixing screws leaving the heads protruding by approximately 10mm from the wall.



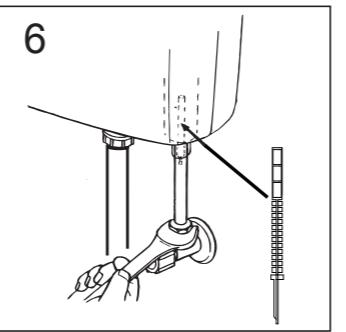
Hang the cistern over the screws and then take up the slack in the screws.



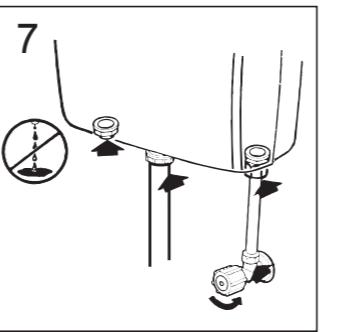
Connect the flush pipe from the cistern to the urinal. In most cases this pipe will be a special fabrication



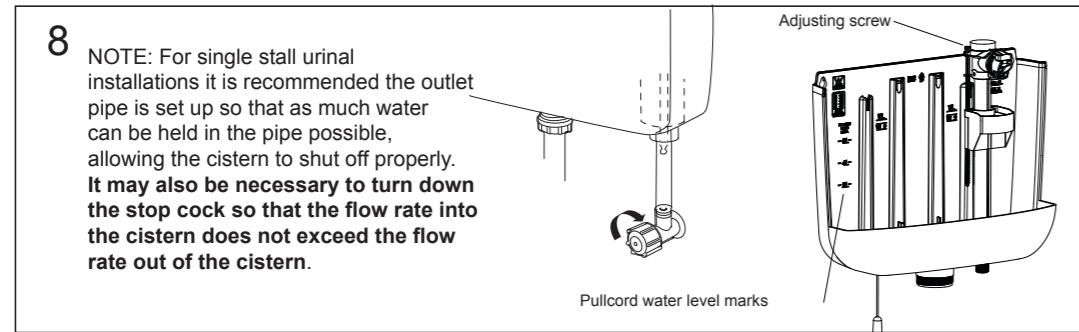
Open the water supply stop cock to thoroughly flush out the supply line.



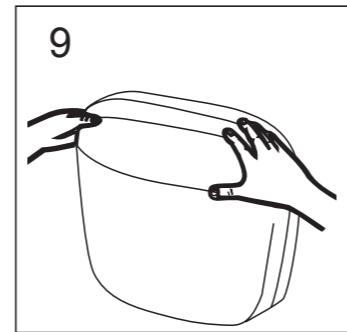
Make sure that the strainer is in place to help prevent damage caused by water borne contaminants. Then fit the water supply pipe using approved fittings.



Turn on the water supply and check for leaks at the connection fittings. Allow the cistern to fill and then flush it. Check for leaks at both ends of the flush pipe.



NOTE: For single stall urinal installations it is recommended the outlet pipe is set up so that as much water can be held in the pipe possible, allowing the cistern to shut off properly. It may also be necessary to turn down the stop cock so that the flow rate into the cistern does not exceed the flow rate out of the cistern.



Check that the pullcord is hanging at the desired height. If adjustment is required, untie the cord from the operating lever and retie to suit. Trim any excess cord. If all cistern functions are correct, replace the lid.

Troubleshooting Guide

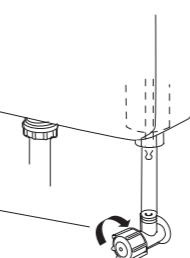
The outlet valve of a cistern is designed to flow at a much higher rate than the inlet valve. When the cistern flushes, the water is discharged much faster than it is refilled. The Cistern empties and the outlet valve can then drop and seal ready for the next cycle.

With some urinal types, it is possible for the discharge rate to be slower than the refill rate. When the cistern is flushed, the water level will begin to fall until the inlet valve opens. Water will then be added faster than it can leave, the cistern never empties and the outlet valve never closes, the cistern just runs on.

The flush volume required for each urinal stall is 1.5 - 2.5 Litres. This amount of water passes relatively slowly through the spreader system of some urinals, (as slow as 2 Litres/min) which is normally slower than the cistern refill rate. If a urinal installer does not consider this issue, then it is possible that the cistern run-on will occur.

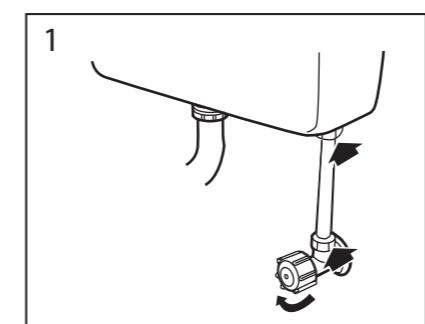
There are a number of ways to ensure that the urinal operates correctly:

1. Ensure that the flush volume is correctly adjusted for the Installation.
2. Keep the pipe which connects the cistern to the urinal as large as possible. If the size has to be reduced to adapt to the urinal, put the reducer near the urinal, not near the cistern. **The ideal situation is for the pipe to have enough capacity to take all of the flush volume.**
3. Leave the strainer in the inlet valve. This component protects the valve from water borne contamination, makes the valve quieter, and also reduces flow rate.
4. Further reduce the flow rate of the inlet valve. This is commonly achieved by turning the stop cock down. However, Caroma recommends that a propriety flow restrictor be fitted to the water supply line. We have found that restrictors manufactured by Maric Products Pty, Ltd. and AutoFlow give satisfactory results.

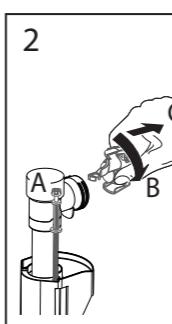


Caroma® Apollo Inlet Valve

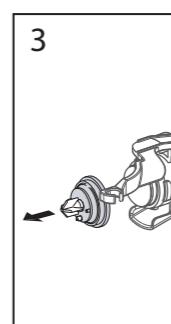
Maintenance Instructions



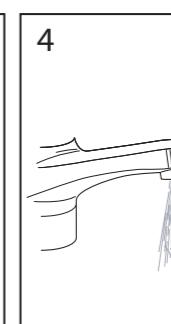
Turn off water supply and if strainer is to be cleaned remove connection fittings.



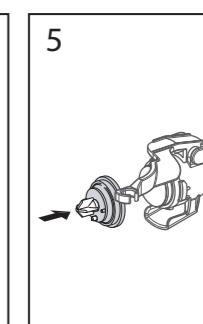
Unclip adjusting screw. Rotate anti clockwise & pull to remove cap assembly.



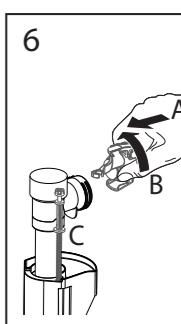
Remove seal from cap assembly.



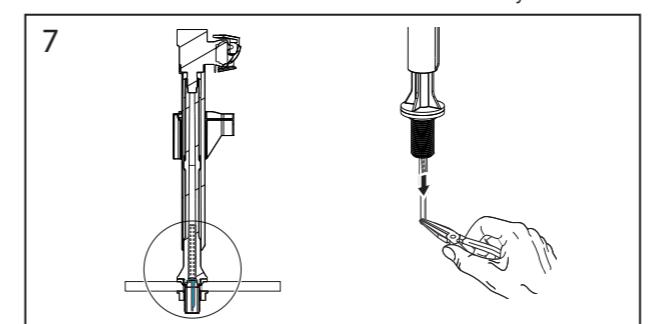
Wash seal to remove any dirt and inspect for damage.



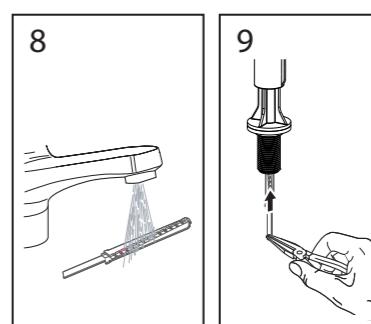
Replace seal on cap assembly.



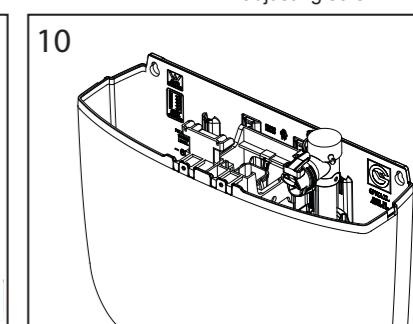
Push and rotate clockwise to re-attach cap assembly. Re-attach adjusting screw.



Using pliers carefully remove strainer from the base of the valve.



Wash strainer to remove any dirt.



Carefully push strainer back into valve. Reconnect water supply & turn water supply back on.

Caroma® Apollo Inlet Valve

Maintenance Instructions continued

Service Requirements

- Inlet Strainer may require periodic cleaning (dependant on water quality) - procedure as described above.

Troubleshooting Guide

- Valve slow to fill OR fails to open ► Ensure tap is open and/or clean Tail Strainer.
- Valve fails to close ► Clean & inspect seal as described above, replace Cap Assembly & seal if damaged
- If any other issues arise ► Consult a plumber or Caroma After Sales Service.

Spare Parts Information

- Apollo Inlet Valve compatible Spare Part Kit is **687 082**
Containing - **1 x Cap Assembly**
- **1 x Seal**
Refer to - **Steps 1,2,5 & 6 above.**
- For all other spare parts refer to the Caroma Technical Handbook.

Caroma®

Outlet Valve

Service Requirements

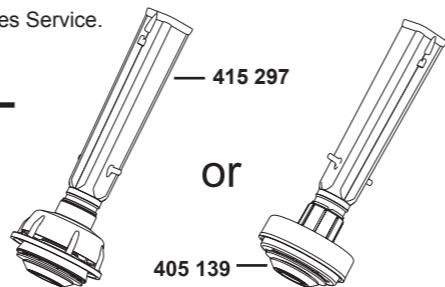
- Servicing is only required in instances where outlet valve operation is found to be faulty.

Troubleshooting Guide

- If valve leaks ► Inspect seal for damage and replace interflow tube assembly if necessary.
- If any other issues arise ► Consult a plumber or Caroma After Sales Service.

Spare Parts Information

- Caroma Hi-Flo Outlet Valve compatible Spare Part Kit is **415 297**
OR
- Caroma Norwood Outlet Valve compatible Spare Part Kit is **405 139**.
Each Contains - **1 x Interflow Tube Assembly**
Refer to - **Spare Parts Installation.**
- For all other spare parts refer to the Caroma Technical Handbook.



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Caroma® Slimline

Pullcord Single Flush Cistern

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