## Troubleshooter

### Possible Cause

- Mains supply tap not open.
- Isolating valve not open
- Filter blocked
- Float arm not free to move
- Float stuck on/ in float chamber

### Remedy

- Open supply tap.
- Open isolating valve.
- Remove filter and clean.
- Mount valve correctly, straighten bent float stem.

- Replace seal in arm.
- Replace filter and ‘O’ ring.
- Re-engage valve in bracket.

- Adjust float chamber/float position.
- Re-fit or replace lever arm.
- Tighten nut.
- Fit blue restrictor.

### Possible Cause

- Seal missing on float lever arm
- Float chamber/float set too high
- Float lever arm dislodged from mounting
- Front nut loose
- Blue restrictor not fitted at very high mains pressure
- Monitoring pin seized

### Remedy

- Replace seal in arm.
- Replace filter and ‘O’ ring.
- Re-engage valve in bracket.

- Adjust float chamber/float position.
- Re-fit or replace lever arm.
- Tighten nut.
- Fit blue restrictor.

### Possible Cause

- Blue restrictor fitted when water supply is tank fed
- Filter blocked

### Remedy

- Remove blue restrictor.

- Clean filter.

### Possible Cause

- Blue restrictor not fitted when water supply is mains fed
- Lay flat tube missing
- Lay flat tube not hanging vertically

### Remedy

- Fit blue restrictor.
- Replace lay flat tube.

- Re-fit lay flat tube.

### Possible Cause

- Inlet valve not shutting off
- Water level set too high

### Remedy

- See ‘B’ above.
- Lower float on inlet valve.

### Possible Cause

- Bellows not evacuating all air
- Build up of debris on seal face of housing or seal

### Remedy

- Relieve by removing pipe to valve.
- Clean surfaces.

### Possible Cause

- Outlet valve not closing
- (Water continually running into pan)
- Outlet valve closing before full volume delivered.
- Seal not clearing window
- Lack of air to inflate bellows
- Push button leaking
- Bellows poorly fitted to lever mount

### Remedy

- Check for leaks on bellows and push button.
- Check push button for leaks.
- Replace push button.
- Push-fit bellows into lever mount.

### Possible Cause

- Pneumatic pipes not connected
- Bellows leaking
- Push button leaking

### Remedy

- Re-connect pipes.
- Push-fit bellows into lever mount.
- Replace bellows.
- Replace push button.

### Possible Cause

- Leaking from flush pipe connection.
- Damaged ‘O’ rings on cistern outlet
- Flush pipe seam protruding
- Flush pipe cut at angle
- Flush pipe cracked

### Remedy

- Replace ‘O’ rings.
- Trim seam with knife.
- Replace flush pipe and cut square.
- Replace flush pipe.

### Possible Cause

- Partial flush volume when operating full flush button.
- Wrong position of pneumatic pipes

### Remedy

- Substitute pipes.

### Possible Cause

- Full flush volume when operating partial flush button.
- Adjustable weight not retained on locating studs
- Wrong position of pneumatic pipes

### Remedy

- Re-connect weight.
- Substitute pipes.

### Possible Cause

- Button sticking on Vantage with Niagara valve.
- Collet not located correctly

### Remedy

- Ensure collet is fully engaged.

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### Pack Contents

- **1** Concealed WC Cistern
  - Complete with flush valve, inlet valve, isolating valve and flow restrictor.
- **2** Push-fit elbow
- **3** Pan Connector
- **4** 750mm Green tube (Dual Flush Only)
- **5** 750mm Clear tube
- **6** 750mm Clear tube
- **7** Push button (Style may vary)
- **8** 2 x Partion (Not supplied with 6L Mono)
- **9** 2 x Mounting bracket

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### Vantage Concealed WC Cistern

**Installation Instructions**
**VANTAGE CISTERN INSTALLATION**

1. **Fit Vantage cistern to wall**
   - Note: Prior to installation ensure there is sufficient space for the Vantage to be installed

   - Use provided hole guide to mark and drill holes to suit No.8 CSK screws ensuring template is level (Guide located on front flap of box)

   - Fit the mounting brackets and secure the cistern to the wall (screws not supplied)

2. **Connect inlet and check water level**

   - Push-fit the elbow and connect the mains supply

3. **Converting the Vantage cistern flush capacity (if required)**

   - Fit or remove partitions as required

   - **Dual Flush**
     - 6/4 Litre - No Partitions
     - 5/3 Litre - One Partition
     - 4/2.6 Litre - Two Partitions

   - **Mono Flush**
     - 6 Litre - No Partitions
     - 5 Litre - One Partition
     - 4 Litre - Two Partitions

4. **Hydroflo inlet valve maintenance**

   - Carefully remove front nut, pressure chamber and diaphragm

   - Twist the Niagara valve anti-clockwise to release

   - Remove the Niagara valve from mounting clip

   - Remove the Hydroflo valve from mounting clip

   - Trim horizontal section of flush pipe to suit WC pan installation. Re-fit flush pipe to Vantage cistern and connect to WC pan

5. **Niagara outlet valve maintenance**

   - Carefully clean the outlet valve seal under cold running water

   - Clean the diaphragm and filter assy under cold running water

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**VANTAGE CISTERN MAINTENANCE**

1. **Remove the Niagara valve through the service aperture**

2. **Remove the Hydroflo valve through the service aperture**

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**FINAL INSTALLATION CHECK LIST:**

- Check all moving components operate freely and the inlet valve shuts off correctly.
- If overflowing or poor flushing subsequently occurs, check that the float and arm move freely up and down and that the water level is correct.
- Check all joints are tightened correctly.
- Check carefully for leaks.
- Hold the inlet valve float down, causing the cistern to internally overflow. Ensure the overflow pipe is capable of discharging all incoming water without the cistern overflowing. If water overflows the cistern make sure that the flow restrictor is fitted. If overflowing persists contact:

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**WARNING:**

- No sealing compound, paste, flux or solvent to be used in contact with plastic or rubber surfaces to avoid damage. Rubber washers or “O” rings should provide an adequate seal. PTFE tape may be used on threads. Do not over tighten plastic nuts.

- No chemical block or additive is to be used in this cistern.

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**Technical Help@ Thomas Dudley Ltd on 0121 530 7000**