3052

Cascade 700LV

INSTALLATION AND OPERATING INSTRUCTIONS. READ INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING INSTALLATION. KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE

GB

The Hozelock Cyprio Cascade 700 Low Voltage pump is designed for submersible use only. The pump does not use oil or grease for lubrication and can be used safely in ponds containing fish or plants. The motor consists of a sealed stator and water-cooled permanent magnet rotor. All electrical components are isolated from the water.

WARNING: SAFETY AND ELECTRICAL CONNECTIONS.

1. **WARNING - ALWAYS UNPLUG OR DISCONNECT ALL APPLIANCES IN THE POND FROM THE ELECTRICITY SUPPLY BEFORE PUTTING YOUR HANDS IN THE WATER WHILST EQUIPMENT IS BEING INSTALLED, REPAIRED, MAINTAINED OR HANDLED.**
2. Position the transformer in a garage or shed close to the mains voltage supply. The transformer is not waterproof and must be kept dry and under cover – allowing for sufficient air circulation.

   Do not position the transformer in direct sunlight, eg.. greenhouse, window sills, etc.. as high temperatures may cause overheating.
3. Do not use the supply cable to lift the pump, as this may cause damage. We recommend fitting a lifting cord to the handle eye on the top of the strainer cage when the pump is installed in deep water. .See Fig 1.
4. Do not operate or leave the pump in freezing conditions.
5. Do not allow the pump to run dry.
6. Check that the voltage marked on the pump corresponds to the low voltage supply.
7. DO NOT OPERATE THIS PUMP WITHOUT THE STRAINER CAGE ATTACHED. USING THE PUMP WITHOUT A STRAINER CAGE MAY INVALIDATE YOUR WARRANTY.
8. The pump must only be connected to a safety isolating transformer with a 24V output, such as the one supplied with this product.
9. CONSULT A QUALIFIED ELECTRICIAN OR LOCAL AUTHORITY IF IN ANY DOUBT ABOUT WIRING TO THE MAINS SUPPLY.

ACCESSORY ASSEMBLY

Telescopic Stem Assembly.

Take the outer telescopic stem 'A' and slide inside the inner stem 'B' as shown. Offer up the side outlet boss 'C' and gently snap into position. See Fig 2.

Bell Fountain.

1. Locate the Bell Support (D) to the Bell Main Body (E) and push fully home.
2. Position the Bell (F) to the Body Assembly and press into the central location. See fig 3.

PUMP INSTALLATION

Position

Construct a solid and level platform on which to place the pump. Which using spray fountains, the top of the platform should be 240-330mm (10-13") below the water surface.

When using the bell fountain, the top of the platform should be 100mm (4") below the water level.

A typical installation is shown for guidance in fig 4.

Flow Control

The flow from the pump can be regulated to meet your needs by rotating the flow controller wheel (G) near the outlet of the pump. See fig 5.

Fountain Only.

1. Place the pump next to the pond and route the cable back to the mains supply.
2. Select the desired fountain accessory. The 2 and 3 tier fountainheads simply snap onto the fountain stem (See Fig 6). The fountain stem pushes onto the narrower tube section of the telescopic fountain stem (see Fig 6). Then place the pump in the desired position. Note: Check that the inner stem of the telescopic tube has not been pushed inside the outer tube.
3. a). 3 tier fountain – Creates a wider and attractive fountain spray.

   b). 2 tier fountain – Creates a higher and narrower display.

   c). Bell fountain – Creates a decorative water bell. Adjust the telescopic stem to the required height and regulate the bell by rotating the flow controller by the outlet of pump.and by sliding the inner bell in and out of the bell assembly.

Fountain and Waterfall.

1. Position the pump as previously described.
2. Connect a suitable length of 12.5mm (1/2") bore hose by pushing it directly onto the side outlet boss at the base of the telescopic stem. See Fig 5 (H)
3. The combination of waterfall and fountain will reduce the fountain height which can be achieved. Note: the Bell fountain will not function with a waterfall.

Waterfall Only.

1. Fit a suitable length of hose 12.5mm (1/2") bore hose directly onto the outlet of the pump.
2. Route the hose back to the waterfall.

TRANSFORMER INSTALLATION

Connect the pump to the transformer as follows; (see Fig 6).

1. Plug the pump lead into the socket provided on the flying lead for the transformer. If an extension lead is required, Hozelock Cyprio can provide extension leads.
2. The cable supplied with this pump cannot be replaced if the pump is damaged.
3. Plug the transformer into the socket. Take care to position the cable so that it will not place un-necessary pulling load on transformer by leaving the flying lead with slack cable.
4. The pump can now be switched on. Refer to the "Pump Installation" section for details on fountain height adjustment.

NOTE: This transformer is protected by a single-shot thermal fuse. If this device operates, the pump will stop working and the transformer will have to be replaced. This will only occur if the transformer overheats. This can be caused by exposure to direct sunlight. Ensure that the transformer operates in a shaded area.

MAINTENANCE

The Hozelock Cyprio range of Cascade pumps has been designed to allow fast and easy maintenance. As with all pumps of its kind, occasionally it will become necessary to clean the Strainer Cage and Fountain Spray head ring.

ALWAYS UNPLUG OR DISCONNECT ALL APPLIANCES IN THE POND FROM THE ELECTRICITY SUPPLY BEFORE PUTTING YOUR HANDS IN THE WATER OR STARTING MAINTENANCE.

Fountain Head

1. Place a coin or similar in the slot and gently lever off the fountain head.
2. Rinse in clean water and reassemble.

Strainer.

1. Remove the accessories from the pump outlet.
2. Holding the pump in one hand, press the release button (I) on the top of the pump and open Strainer Cage. See Fig 5.
3. Slide the pump out of its location and wash/rinse the Strainer Cage with clean water. The hinges on the Strainer Cage should also be washed clean at this time.
4. Reassemble the pump.

Rotor Assembly.

1. Remove the Strainer Cage as described above.
2. Release the Pump Chamber, Fig 8 (J), by rotating it until the two retaining tongues are clear of the lugs on the Motor Body.

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3. Plug the transformer into the socket. Take care to position the cable so that it will not place un-necessary pulling load on transformer by leaving the flying lead with slack cable.
4. The pump can now be switched on. Refer to the "Pump Installation" section for details on fountain height adjustment.

NOTE: This transformer is protected by a single-shot thermal fuse. If this device operates, the pump will stop working and the transformer will have to be replaced. This will only occur if the transformer overheats. This can be caused by exposure to direct sunlight. Ensure that the transformer operates in a shaded area.

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Fountain Head

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Strainer.

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2. Holding the pump in one hand, press the release button (I) on the top of the pump and open Strainer Cage. See Fig 5.
3. Slide the pump out of its location and wash/rinse the Strainer Cage with clean water. The hinges on the Strainer Cage should also be washed clean at this time.
4. Reassemble the pump.

Rotor Assembly.

1. Remove the Strainer Cage as described above.
2. Release the Pump Chamber, Fig 8 (J), by rotating it until the two retaining tongues are clear of the lugs on the Motor Body.

3. Gently pull the Pump Chamber squarely away from the Motor Body.
4. Pull the Rotor Assembly out of the Motor Body. See Fig 8 (K)
5. Wash out all of the components in clean water. **Do not use detergents or other chemical cleaners.**
6. Replace the Rotor Assembly into the Motor Body and refit the Pump Chamber and Strainer Cage.

ALL YEAR PUMP CARE

A quick daily check should be carried out to ensure that the pump is performing satisfactorily.

Once a week- Remove and clean the Strainer Cage and Fountain Head in accordance with the general maintenance notes. Depending on pond water conditions, cleaning may be required more frequently.

Once a year- Completely disassemble the pump including the Rotor Assembly as described in the general maintenance notes and wash all components in clean, fresh water. Replace worn or broken parts.

SPARE PARTS

Contact the Consumer Services Help line on 01844 292002

HOZELOCK CYPRIO 3 YEAR GUARANTEE

If this pump, excluding the Rotor Assembly, becomes unserviceable within 3 years of the date of purchase it will be repaired or replaced at our option free of charge, unless in our opinion it has been damaged or misused.

Liability is not accepted for damage due to accident, improper installation or use. Liability is limited to replacement of a faulty pump. This guarantee is not transferable. It does not affect your statutory rights.

To obtain the benefits of the guarantee, firstly contact Hozelock Cyprio Consumer Services who may request that the pump is sent along with proof of purchase directly to the address below.

DAMAGE CAUSED BY RUNNING THE PUMP DRY OR BY FROST INVALIDATES THE GUARANTEE.

FAULT FINDING

WARNING - ALWAYS UNPLUG OR DISCONNECT ALL APPLIANCES IN THE POND FROM THE ELECTRICITY SUPPLY BEFORE PUTTING YOUR HANDS IN THE WATER WHILST EQUIPMENT IS BEING INSTALLED, REPAIRED, MAINTAINED OR HANDLED.

IMPORTANT - PLEASE KEEP THIS SECTION FOR REFERENCE

LOW FLOW FROM PUMP

1. Ensure the Strainer Cage is clean.
2. A small diameter outlet pipe will restrict outlet flow.
3. Clear any blockages and adjust the flow controls.

NO FLOW FROM PUMP

1. Check power supply is on.
2. Check fuse and wiring.
3. Check the Rotor Assembly is not jammed, damaged or showing signs of excessive wear.
4. Ensure the Strainer Cage is clean.

POOR FOUNTAIN DISPLAY.

1. Clean the Fountain Head. (see maintenance).

Item Numbers	
700LV	
1. Pump Chamber and Seal.	Z13246
2. Rotor Assembly.	3417
3. Strainer Cage.	Z13226
4. Telescopic stem.	Z31745
5. 3-Tier fountain head.	Z36225
6. 2-Tier fountain head.	Z36235
7. Bell fountain assembly.	3905
8. Transformer.	Z13196

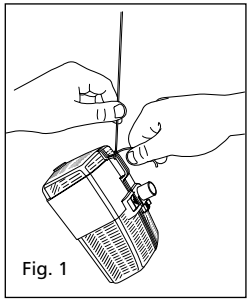


Fig. 1

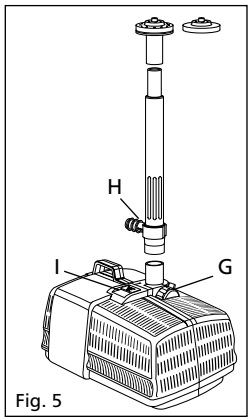


Fig. 5

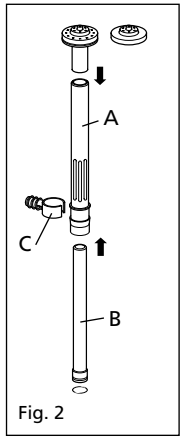


Fig. 2

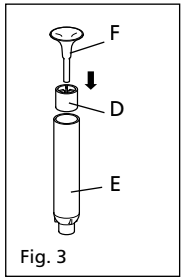
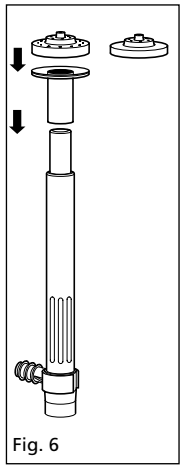


Fig. 3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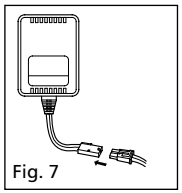
Fig. 7

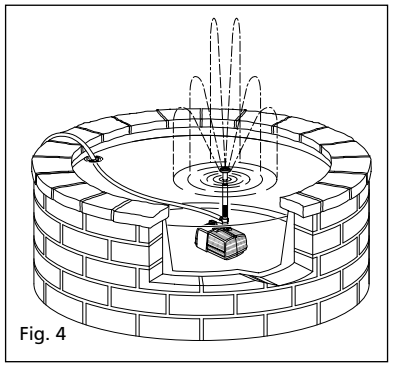
Fig. 4

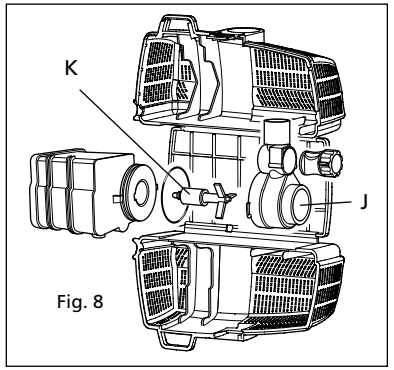

Fig. 8

Hozelock Cyprio
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The Aquatics Division of Hozelock Group

45776-000

3. Gently pull the Pump Chamber squarely away from the Motor Body.
4. Pull the Rotor Assembly out of the Motor Body. See Fig 8 (K)
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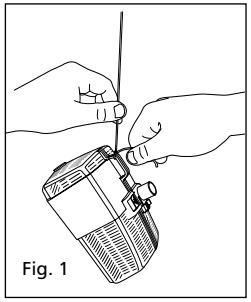
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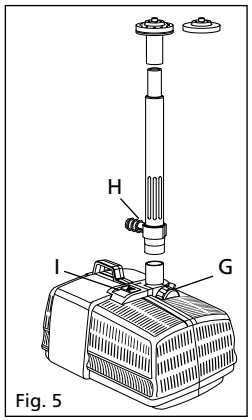


Fig. 5

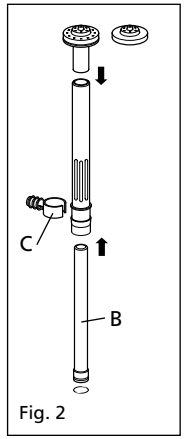
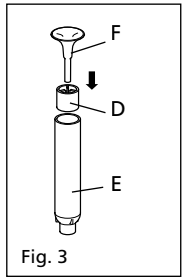


Fig. 2



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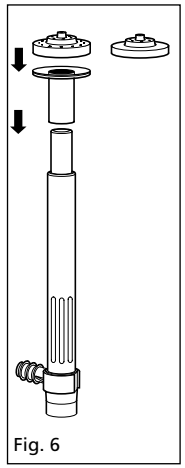
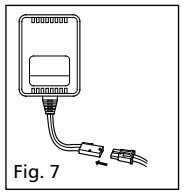


Fig. 6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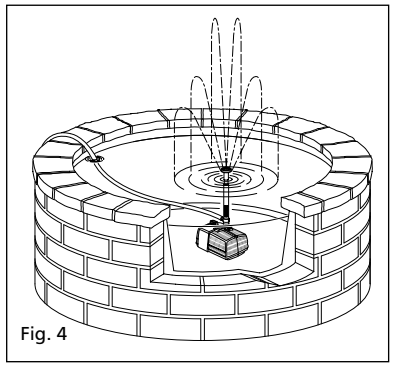
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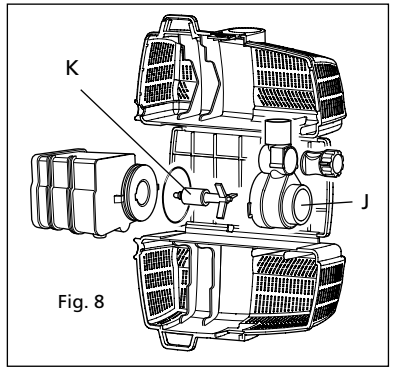

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