

# technical pack

## ARQUA FOUNTAIN DF4

The **Arqua Fountain DF4** is a high-quality water bubbler designed to provide accessible, fresh drinking water in public environments.

**This technical pack includes:**

- Assembly and Installation guide
- Care and Maintenance

For more information, visit [streetfurniture.com](https://streetfurniture.com)

*Note: Failure to install the Arqua Fountain as described in these instructions may void the manufacturer's warranty.*

technical pack\_arqua-fountain\_DF4\_v10

Version 10 @ 01.04.18

MPD-04



# assembly and installation guide

## ARQUA FOUNTAIN DF4

Thank you for purchasing the **Arqua Fountain DF4**.

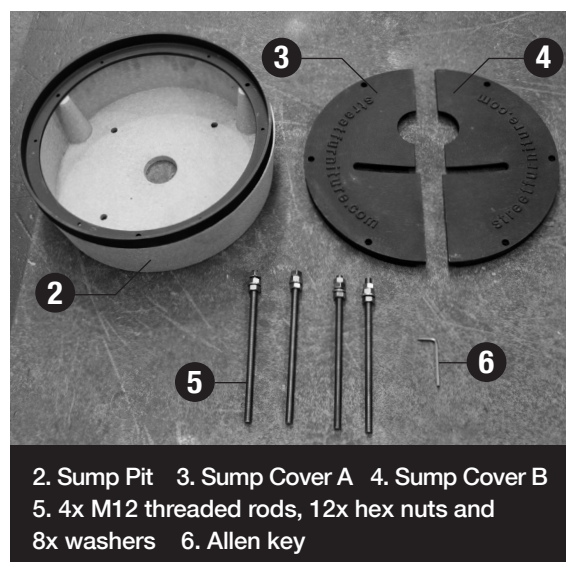
### Handling

Handle the Arqua Fountain and parts in a manner to prevent scratching, warping, bending and twisting. Do not slide parts on concrete or other hard or abrasive surfaces.

The sump pit is made from polycrystalline and should be handled with care. Damage to the pit caused by mishandling is not covered by warranty.

### Delivery

Please check you have received the below items. Missing or damaged parts need to be reported to a Street Furniture sales representative.



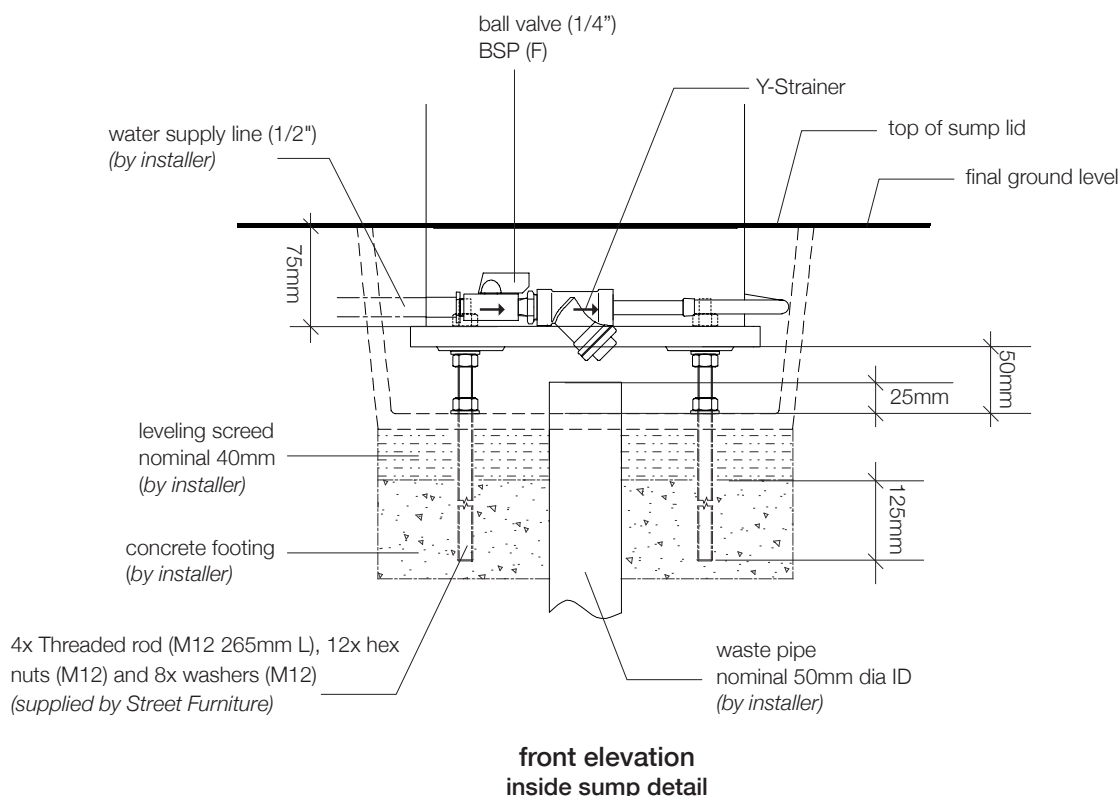
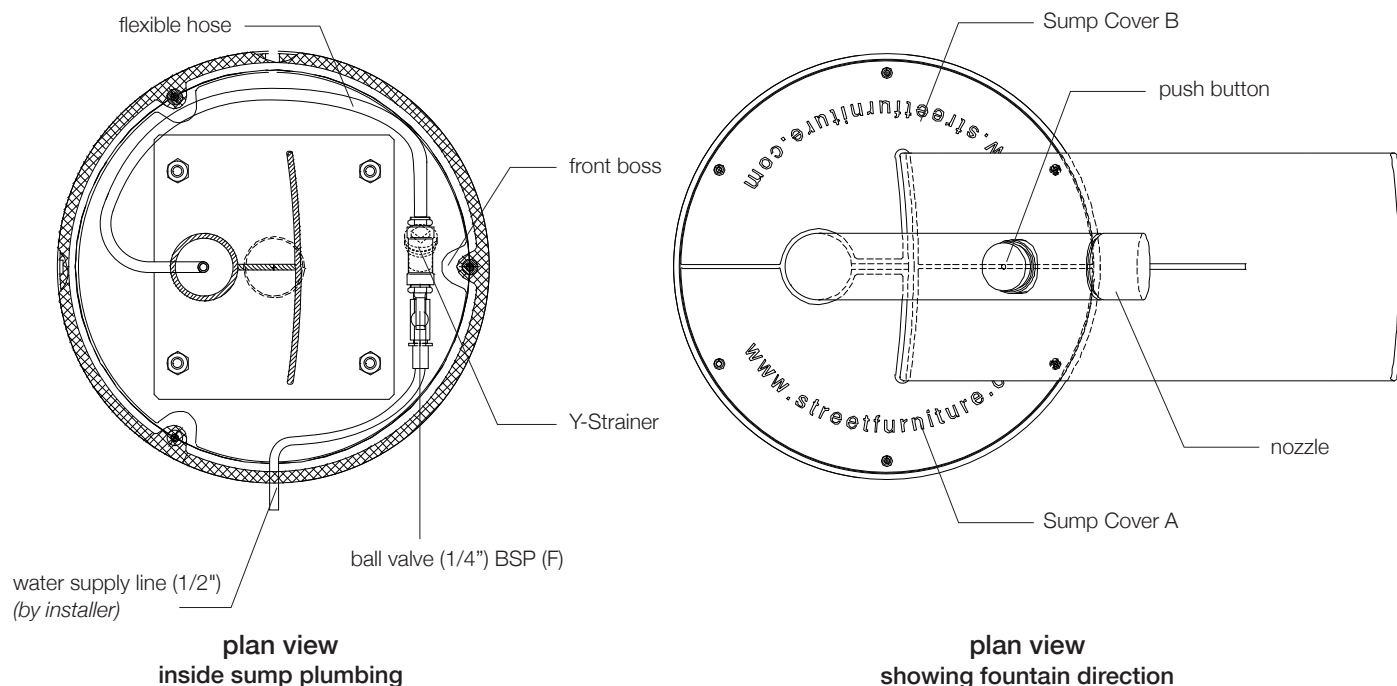


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## INSTALLATION OVERVIEW DIAGRAMS



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# assembly and installation guide

## ARQUA FOUNTAIN DF4

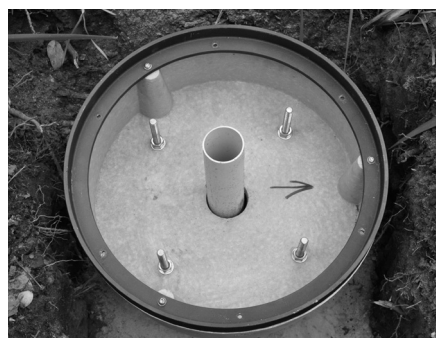
### RECOMMENDED INSTALLATION PROCEDURE

**Important:** All plumbing and drainage work should be done in accordance with local authority's regulations and installed by a licensed contractor.

#### Part 1 – Sump Pit Installation

*Note: Ensure water supply has been turned off at the main source.*

1. Pour concrete footing to 185mm below final ground level with waste pipe in place. The waste pipe needs to be located in the centre of the sump with the waste pipe protruding to at least final ground level. Allow to set.
2. Slide pit down over the waste pipe and orient the pit to receive the fountain in the desired final position. Please note the front boss determines the direction the fountain will face.
3. Carefully mark the 4 holes in the pit base, onto the concrete footing ready for drilling. Remove the pit.
4. Drill 4 x M14 holes to a depth of 125mm.
5. Using the supplied nuts, secure the 4 x M12 Threaded Rods to the sump pit.
6. Slide the pit down over the waste pipe and the threaded rods into the drilled holes. Ensure the 4 x M12 Threaded Rods are embedded 125mm into the concrete footing.
7. Once alignment is confirmed, use a suitable epoxy adhesive (*as supplied by installer*) and follow the manufacturer's instructions to secure the rods with pit in place. Allow it to set.  
(*Note: Correct preparation and installation of the concrete footing is paramount*)







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8. Once set, undo the nuts from the threaded rods and remove the pit.

9. Cover the footing with a screeded bed of sand-cement to a nominal thickness of 40mm.

10. Slide pit down over the waste pipe and threaded rods onto the leveling screed. Install pit horizontally and level with pavement. Adjust screeded sand-cement bed as needed to ensure that the top of the pit sits at pavement line and that the pit rim is level.

11. Mark the waste pipe at 25mm above the floor. Remove the pit and cut the waste pipe at the marked level. Slide pit back on and seal around the waste pipe.

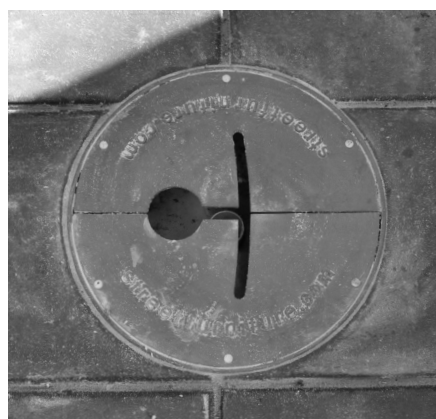
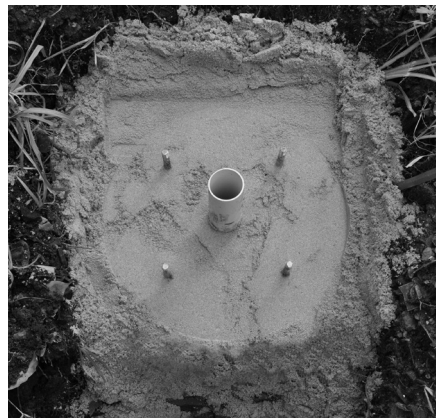
12. Using the supplied fixing nuts and washers, fasten the 4x M12 threaded rods to the bottom of the pit.

13. Choose one of the 3 water feed starter points on the sides of the pit and drill/knock through. Plumb the water supply line (1/2") through the hole and seal around the pipe.

14. Flush the supply line by turning on the water at the main source to remove any possible traces of particles or sediments from the water supply. Once completed, turn off the water supply at the main source.

15. Back fill around pit and finish pavement against pit rim edge.

16. Fasten cover plates until ready to receive the Arqua Fountain. Installer on site to make openings in sump lid safe until the Arqua Fountain is installed.





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## RECOMMENDED INSTALLATION PROCEDURE

### Part 2 – Fountain Body Installation

1. Flush the supply line by turning on the water at the main source to remove any possible traces of particles or sediments from the water supply. Once completed, turn off the water supply at the main source.

2. Lower the fountain body onto the threaded rods. Ensure that the bottom of the small hole that's located just above the fountain's base plate sits in line with the pit rim. Adjust for level and height by raising and lowering the nuts supplied.

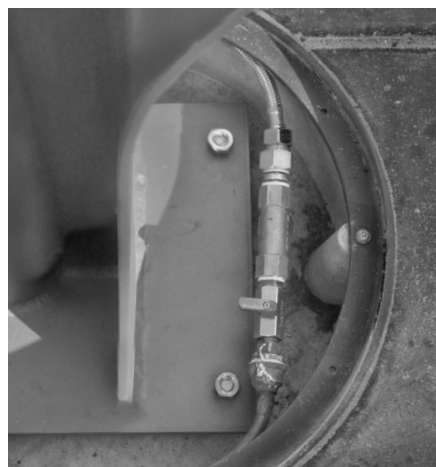
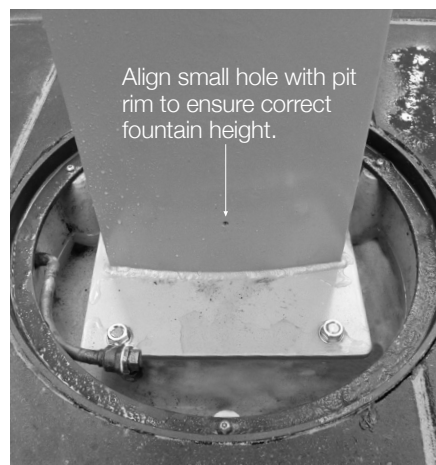
*Note: Ensure the distance between the bottom of the pit and the Arqua Fountain baseplate is approximately 50mm.*

3. Once the fountain is levelled, tighten the fixing nuts above the plate. Check the perpendicularity above the plate before completely tightening the fixing nuts.

4. Connect the fountain's flexible hose and plumbing to the main water supply. Turn on the water at the main source.

6. Test the water supply by turning on ball valve and pressing the push button. Allow time for water to flush out air pockets. Allow for the water through the pipework to flush out "new" taste.

7. After testing, lay both Sump Covers in place and fix them using the supplied screws. Clean body and sump (including the inside of the sump), the surroundings and leave neat and tidy.





# care and maintenance

## ARQUA FOUNTAIN DF4

**Important:** Ensure the plumbing is installed as per the installation diagram on page 03 to allow for easy maintenance and proper functioning of the Arqua Fountain DF4.

### General Maintenance

Street Furniture recommends a periodic maintenance program for cleaning, touch up and repair if needed. Its frequency is dependent on the usage or proximity to industrial or marine environments. In general, we recommend cleaning once every quarter.

### Aluminum

This is a low maintenance material. However, all surfaces should be cleared of dust or dirt using clean water or a mild detergent. Do not use any abrasive detergents, scrub the surface or use a high pressured hose.

### Powder Coated Materials

External surfaces should be regularly washed down, especially in corrosive conditions (eg. salt, or chemical deposits).

Any exposed metal resulting from damage to the coating should be repaired quickly to avoid corrosion stains as well as to protect the metal. Please check the powder coating code to make sure it matches the colour of your product.

Touch up of blemishes or deep scratches can be made with 'Professional Touch-Up Paint', applied using an artist's brush or fine spray. It is available to purchase from most automotive retailers and specialist paint stores.

Available in pressure pack cans. Most Interpon powdercoat colours have been matched.

### Cleaning the Y-Strainer

**Important:** Ensure the plumbing is installed as per the installation diagram on page 03 to allow for easy maintenance and proper functioning of the Arqua Fountain DF4. Maintenance on the Arqua Fountain DF4 should only be performed by licensed plumbers or Street Furniture agents. The removal or substitution of any components from the feed line during or after installation will void the manufacturer's warranty.

With normal use and regular maintenance, this product will perform reliably. Cleaning and back-flushing the mesh strainer found in the sump should be performed at regular intervals. Street Furniture recommends not longer than quarterly intervals.

1. Remove the sump cover of the Arqua Fountain DF4.
2. Locate the isolating valve and strainer in the sump.
3. Turn the water off at the isolating valve.
4. Unscrew the hexagon head on top of the "Y" strainer.
5. Remove and flush the mesh.

*Note: Take care to not damage the mesh as this strainer is required to be fully operational to maintain the warranty on the upper push valve.*

6. Reassemble the strainer, turn the water back on and check for leaks.
7. Replace the sump plates.

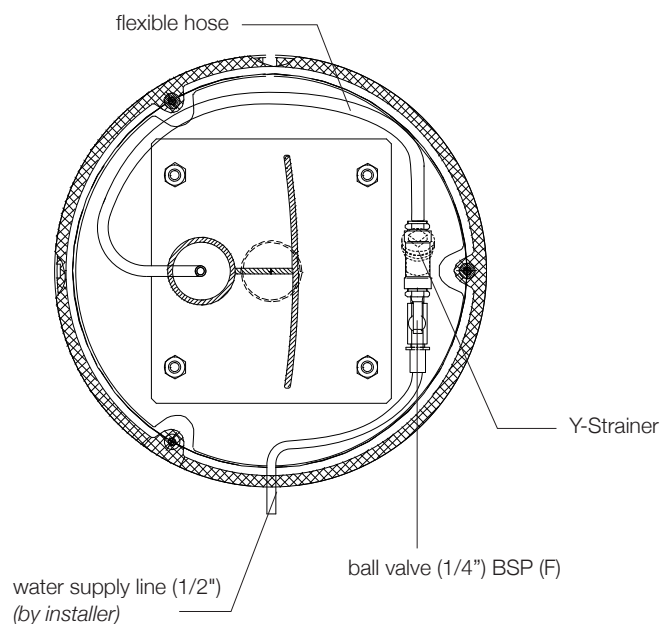
The pit has been designed to capture sediment over time and thereby protect the drainage line, so periodically remove the pit covers and clean the interior.



## care and maintenance

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**plan view**  
**inside sump plumbing**

In severe cases of abuse the valve can be damaged. This intentional damage falls outside of Street Furniture warranty guidelines of normal operation. Replacement parts and valve kits are available from Street Furniture. In the case of a warranty claim being made, the damaged component must ultimately be returned to Street Furniture for evaluation and analysis.

Please call **1800 027 799** (Toll-free Australia wide) for further assistance.