



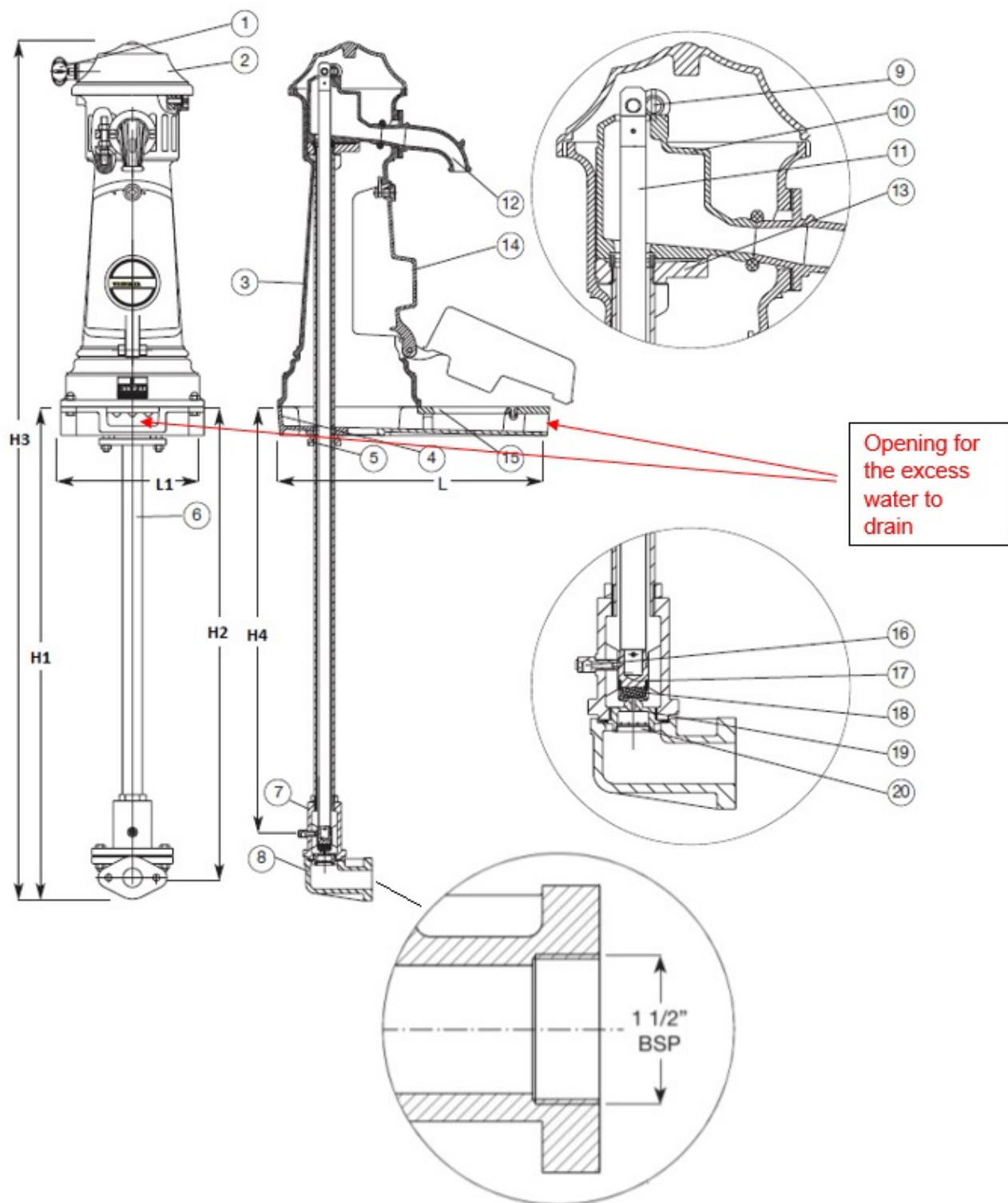
Installation, Operation and Maintenance Manual - Original Version

AVK series 78/7510-001 Victoria fountain post.

The AVK Victoria frost proof fountain post is used for sprinkling public areas and gardens. It is designed in a vintage 1900s style and is equipped with non-return device and a drip tray with demountable grating for easy cleaning. Pipe connection by means of a 1 1/2" BSP cylindric female thread and an oval flange.



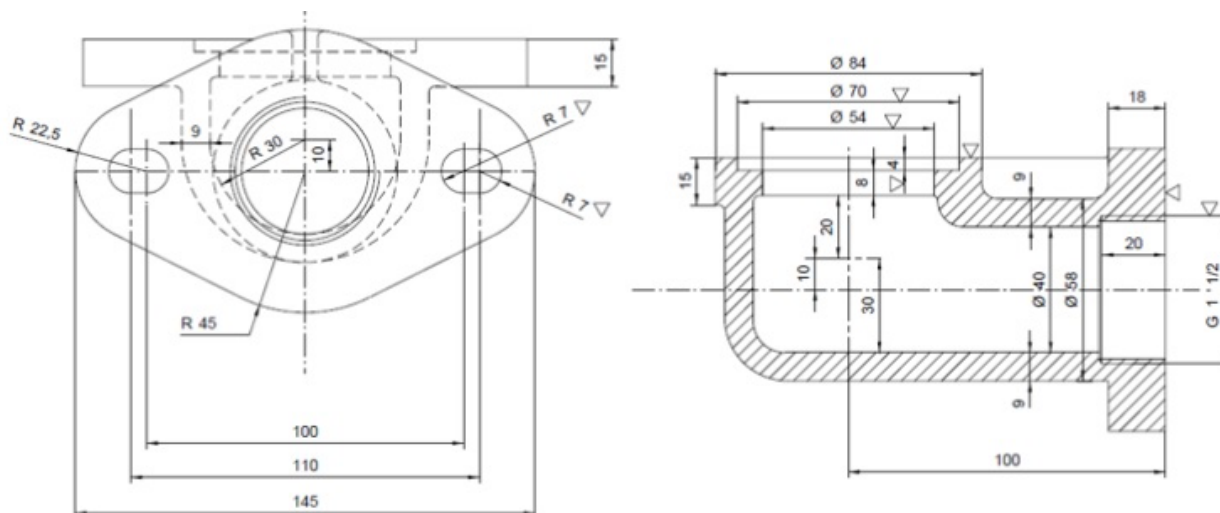
1. AVK series 78/7510-001



2. AVK series 78/7510-001 parts list

Item	Description	Material
1	Operating knob	Cast iron GJL-250(GG25)
2	Bonnet	Cast iron GJL-250(GG25)
3	Body	Cast iron GJL-250(GG25)
4	Drip tray	Cast iron GJL-250(GG25)
5	Flange	Cast iron GJL-250(GG25)
6	Inlet pipe	Steel, galvanized
7	Inlet adaptor	Cast iron GJL-250(GG25)
8	Duck foot*	Cast iron GJL-250(GG25)
9	Lifter	Bronze
10	Tank	Cast iron GJL-250(GG25)
11	Extension stem	Steel, epoxy coated
12	Tap	Cast iron GJL-250(GG25)
13	Tank bearing flange	Cast iron GJL-250(GG25)
14	Hatch	Cast iron GJL-250(GG25)
15	Grating	Cast iron GJL-250(GG25)
16	Nozzle	Brass
17	Plug	Brass
18	Plug sealing joint	EPDM rubber
19	Water dispenser	Bronze
20	Inlet grating	Brass

*Duck foot drawing:



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4. Principle of operation

By turning the operating knob, the internal shut-off valve opens, and the water will discharge. The valve automatically closes when you let go of the operating knob. The trumpet drainage system will activate and drain the pipe, discharging the excess water in the drainage layer.

5. Health and safety at work

Make sure all relevant Health and Safety issues and regulations are adhered to prior to and during installation or maintenance work carried out on this product. It is the end user's responsibility to ensure that safe working practices are followed at all times.

Whenever AVK's products are installed, operated or maintained the inherent dangers of pressurised liquids and gasses must be addressed. Before work on a valve or other piping component is undertaken, that may involve the release of internal pressure, the valve or line must be fully isolated, depressurised and drained prior to commencing the work. FAILURE TO COMPLY WITH THIS MAY RESULT IN SEVERE INJURY OR DEATH.

All workers handling the product must be aware of the weight of the components or assemblies to be handled and manipulated during installation and maintenance.

It is essential that staff undertaking these operations are adequately trained and it is the responsibility of the end user that only trained and competent staff undertake these duties.

This manual has been designed to assist, but it cannot replace quality training in the workplace. However, the AVK technical staff is always available and ready to answer questions relating to specific problems that may not be covered by this manual.

AVK's products are designed to be fit for purpose and to a high reliability standard. This provides a safe, low risk product when used correctly for the purpose for which it was designed. However, this assumes that the equipment is used and maintained in accordance with this manual, and the user is advised to study it and to make it available to all staff that may need to refer to it.

AVK cannot be held responsible for incidents arising from incorrect installation, operation or maintenance. The responsibility for this rests wholly with the end user.

6. Receiving and storage

Unloading must be carried out carefully. The load must be put gently to the ground without dropping. Lift only by means of shackles in the flange bolt holes or slings around the body casting. If a forklift is used it shall have sufficient capacity to lift the required weight and have a valid inspection certificate.

All workers involved in the unloading shall be able to perform their functions, and shall wear safety boots, safety vest, safety goggles and hard hat. All slings used for the lifting shall be of sufficient strength. A record shall document that they have been stored under cool, dry conditions away from sunlight and chemical atmosphere, and that they still perform according to their marked strength.

Immediately after unloading the item it should be inspected for compliance with specifications and damage in shipment.

Damage in shipment check shall as a minimum comprise: coating and sealing surfaces and accessories or any other evidence of mishandling during shipment.

Each item should be operated through one complete open-close cycle in the position in which it is to be installed.

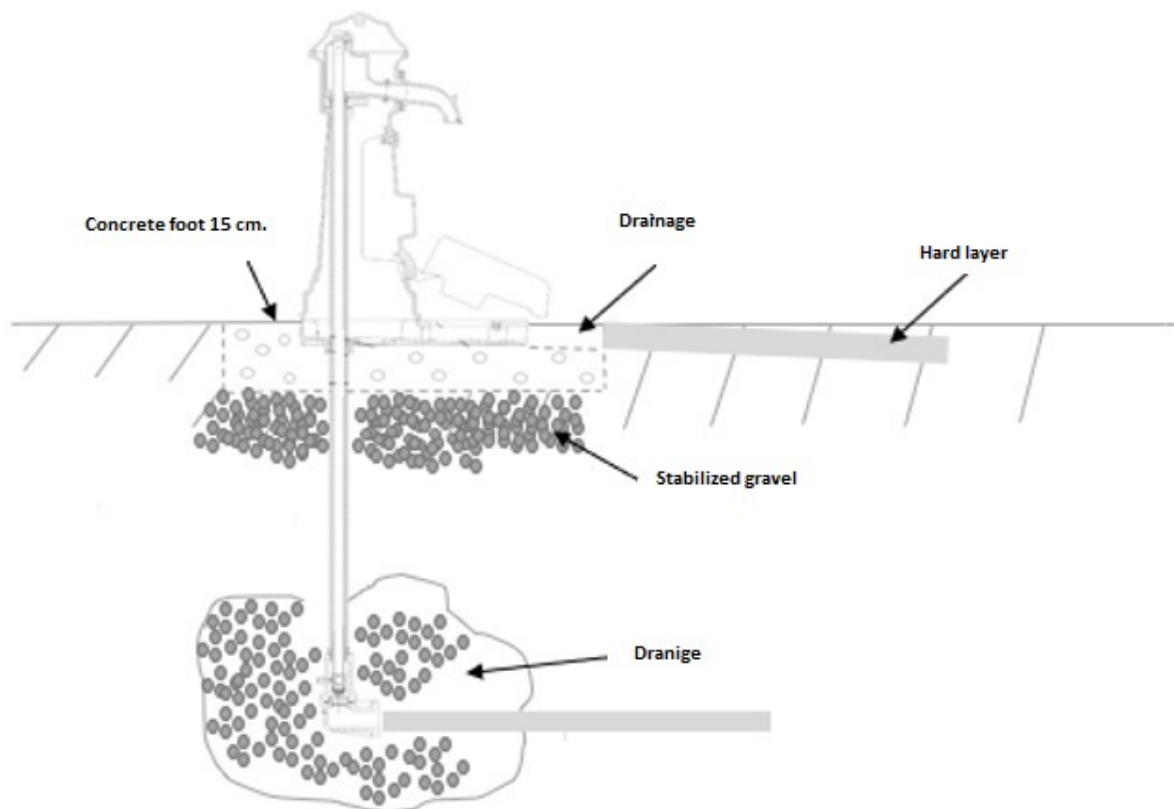
Storage shall be under dry, cool conditions, away from direct sunlight and corrosive or otherwise chemically active atmosphere.

7. Installation and commissioning

The fountain must be installed on a concrete foundation supported by a solid layer of stone and sand. The area surrounding the duck foot, trumpet drainage and flange connection must be filled with pebble for drainage. This drainage will under normal conditions be sufficient as the amount of water in the tube when emptied is not very significant. It can also be emptied into a wastepipe.

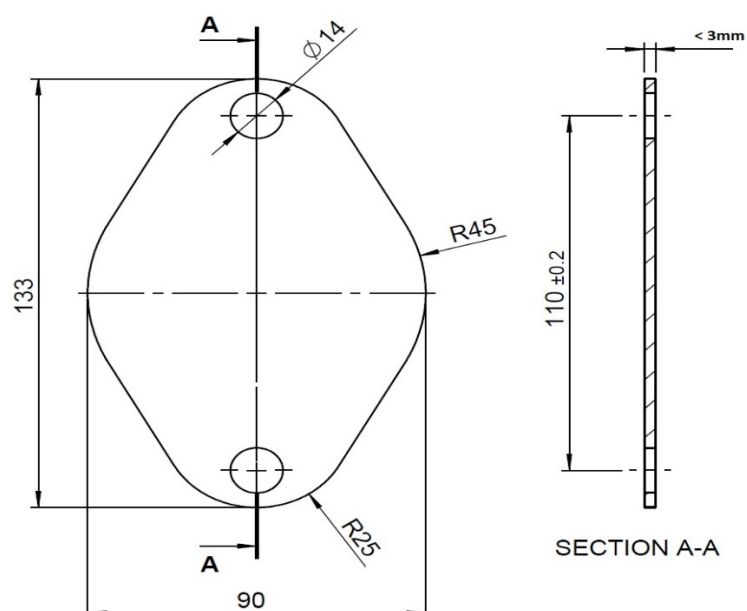
Further drainage in front of the fountain leads excess water away from the tray and unto the hard layer in front of the fountain. The hard layer is there to prevent erosion caused by the excess water.

The fountain is delivered for flange or threaded 1½" connection as standard. It is advisable to install a shut-off valve on the inlet line before the connection to the fountain.



WARNING: Prior to installation make sure that all pressurized lines involved in the installation are isolated, depressurized and drained before starting any work. Failure to do so may result in sudden pressure release and subsequent severe injury or death.

Please be aware that the fountain shares parts with other types. Next to where the inlet pipe is attached to the body there is an extra flange hole. This flange hole needs to be blocked either by a flange(see drawing) or by the concrete foot.



8. Application hazards

The fountain is constructed for a maximum pressure of 10 bar. Higher pressure will create leakage as the seals are unable to function properly.

9. Operation and maintenance

9.1 Operation

By turning the operating knob, the internal shut-off valve opens, and the water will discharge.

9.2 Maintenance

The fountain does not require systematic maintenance other than checking it for leaks and keeping the grating free. Frequent use will accelerate the wear of the seal.

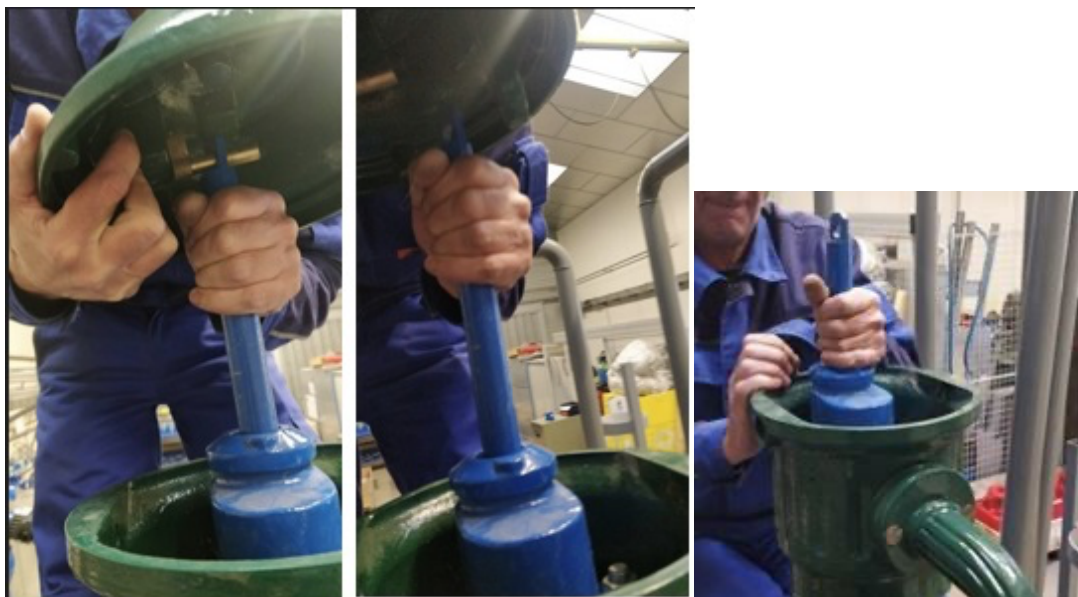
9.3 Repair of

9.3.1 Rubber gasket/valve pos. 18. Replace the rubber Gasket.

1. Unscrew the 2 screws on each side and lift the bonnet.



2. Grab the extension stem with one hand and carefully remove the bonnet by pulling out the lifter (Pos 9). The lifter is attached to the bonnet.



3. Pull the extension stem out of the inlet pipe.



4. Change the rubber gasket.

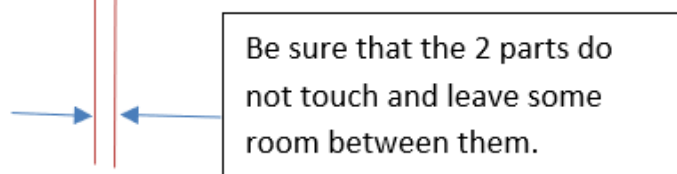
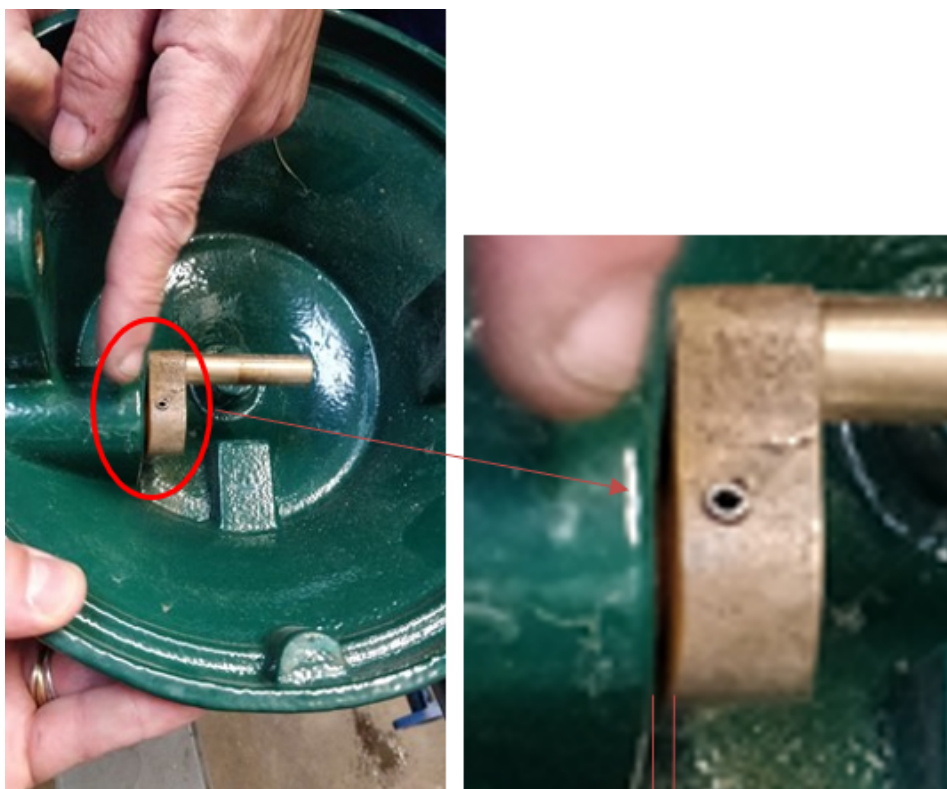


Unscrew the brass plug
and replace the Gasket.
Screw the plug back on.

5. Assemble the fountain by reversing the process. But be sure that the lifter (pos. 9) is in the correct position. Clean the inside of the fountain and the components before assembling.



Must be in closed position
when reassembled.



Be sure that the 2 parts do not touch and leave some room between them.

10. Decommissioning

When decommissioning the product, it should be disposed of according to local regulations and in a way that allows as much recycling of materials as possible.

11. Trouble shooting

Symptom: The fountain is leaking

Cause: The rubber gasket is worn

Cure: Replace the rubber gasket

12. Recommended spare parts.

Only genuine AVK spare parts should be used. AVK accepts no responsibility for damage caused by failing non-AVK parts.

Following spare parts are recommended to purchase with a series 78/7510 fountain post:

1. Rubber gasket.