



TOOL BOX 039- Underground Hydrant Maintenance

Present Tooling That Should be in Place.

Pressure Testers with adaptors to fit the various Type of Valve outlet.

Additional Tool will be required.

Standpipe at a suggested length of a minimum of 1.2 metres.

Adaptors: To perform tests on Bayonets Type, London Round Thread, and London "V" thread.

False Spindles: Various Sizes

Key and Poker

Note:

Manufacturers Inspection Standards be complied with.

1. "No Water"- If the water pressure is under 300Kpa – This will class as no water.
2. "No Water"- If there is a leak that requires the mains to be isolate (Closed Off) for repairs – This is also classed as "No Water"

Both these faults must be documented and reported to the Responsible Person (Owner or person designated in writing by them)

Once 1 or 2 happens it fall out of the SANS1475 Part 2, and into a plumbing skill.

Do not expect all owners to have hydrant equipment, as not all owners require hydrant equipment – It depends on risk factors, and the local fire departments requirements. If it falls under SANS1475:2. It has to be serviced by law, and if the owner does not want the service performed your register will still have to have the location documented.

The register in this case will indicate "Not Serviced due to the request of the customer"

Hydrants are located on private property have to be maintained by the owner, occupier of the site.

Examples: hospitals, university campuses, retail parks, holiday parks, large warehouse sites etc.



Pit cover example.

Example of a 'Dry Pit'

Example of a pit filled with water. Not acceptable must be cleaned out.

1. Ensure the surrounding surface paving is sound, the cover free of vegetation and/or debris and that the pit is clean and dry. (Clean if required)
2. Clean out pit and drain water before continuing with the service – It may only be rain water, and until clean you cannot determine whether there is a leak (Don't Assume)
3. Check the water control bonnet and clack washer is in good order (replace where there is no requirement to turn the water off), the outlet has a cap secured by a chain. Clean the outlet thread, and lubricated.



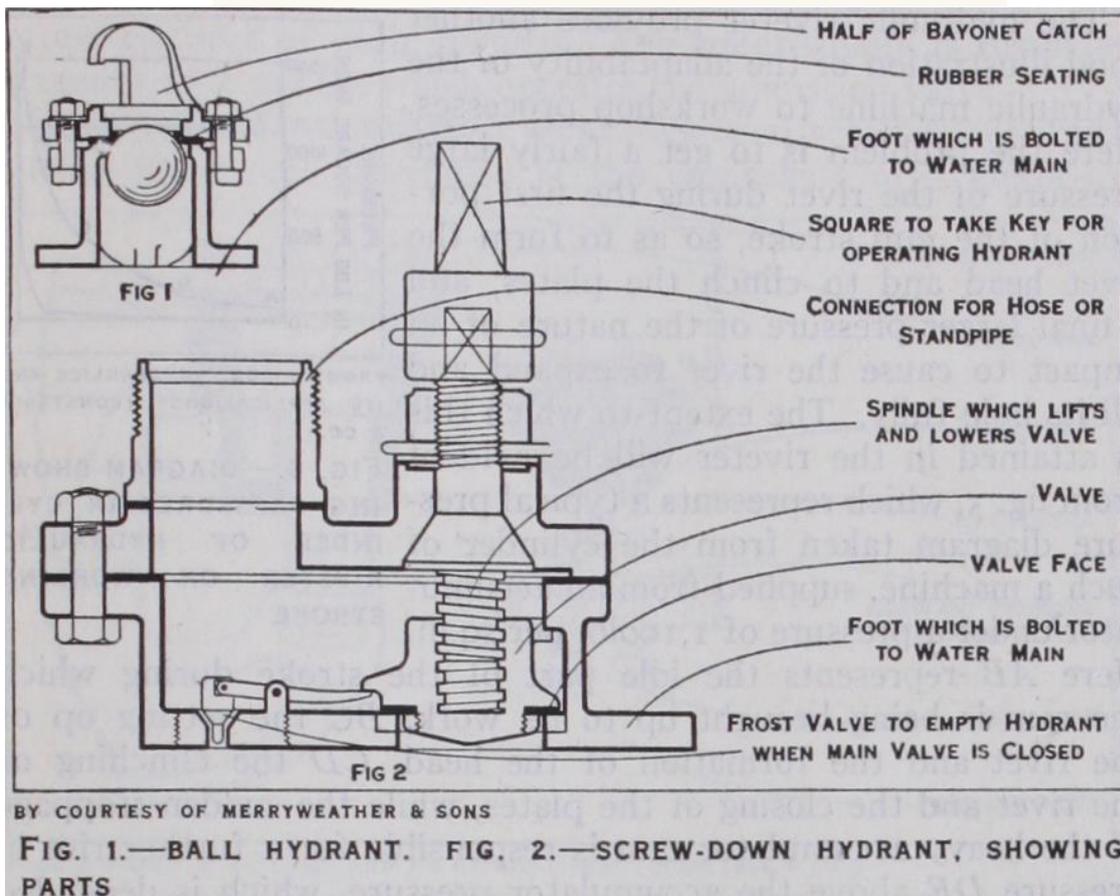
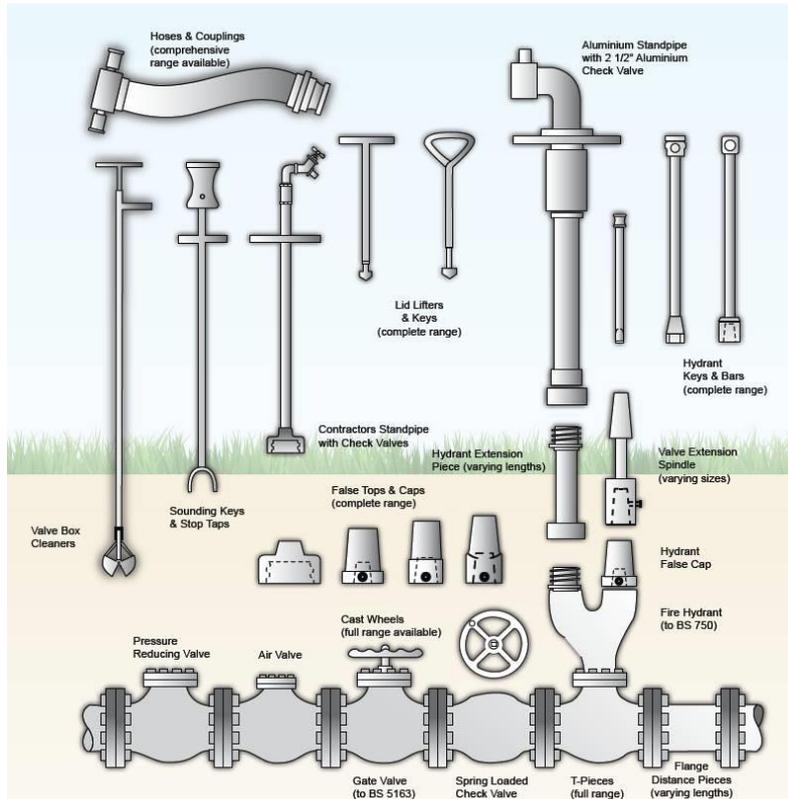
3. Fit Standpipe. (Ensure the gasket is in place at the base), and tighten.
4. Using you key and poker open the valve slowly until water flows, and then open up fully purging the system until the water runs clear.
5. Turn off water and fit pressure gauge, and then open slowly until full pressure is obtained and take the reading.(This reading is to be entered on you service sticker – Minimum reading 300Kpa)
6. Turn off the water, and remove standpipe. Check for leaks (spindle/gland/bonnet), and if leaks present the repairs shall be the responsibility of the responsible person (not the competent person in terms of SANS1475)
7. Cleanout Hydrant pit re-lubricate threads and fit cap.
8. Finally replace hydrant cover Paint if necessary – Fit service label to the underside of the lid or other appropriate place where it will not be effected by the elements (ENTER THE ACTUAL WATER PRESSURE.
9. Before leaving the hydrant ensure the cover is colour coded, paint if necessary (Yellow).
10. Make sure the hydrant can be clearly located via sight including signage or marker visible from at least two (2) metres. (Note: Local municipalities may have a colour coding system use that or generally it is colour coded in yellow).
11. Painting will obviously cover extra cost to the customer (Time), as this cost will have to be carried by the customer. You may give them the choice whether you do it or they take it on as an internal maintenance cost. (document the choice)



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Ensure all reported in card), and the person

facts are writing (job signed for by responsible



Note: In terms of the standard your task ends where it requires the mains water to be turned off – In the case that the water has to be turned off it becomes a plumbing task, and falls out of the scope of 1475:2.



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Presented By: Name: _____	Date _____	Signature _____
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NAME	SIGNATURE	NAME	SIGNATURE