



## TOOL BOX 013-HOSE REEL TIPS

### **Tip 1: In terms of SANS 1475 Part 2.**

When servicing the water jet distance cannot be less than 5 Metres long.

It does not give you the minimum pressure – litres per second. This you will find in SANS 10105 Part 2, and is minimum 300Kpa with a delivery of 0.5Ltrs per second.

If you do not have a pressure gauge at the time carry out the following:

- a. Use your bucket by filling it with 5ltrs of water
- b. Mark the bucket at the 5ltr point, and dispose of the water. (Bucket now empty)
- c. Close hose reel nozzle and open CP Valve fully.
- d. Point Nozzle into the bucket and open fully.
- e. Close nozzle after ten (10) seconds.
- f. If water level is on the mark or above the pressure is at least 300Kpa.
- g. If below the mark the pressure is under 300Kpa, and the hose reel fails the test.

**Tip 2:** Always check the Arrow direction is towards the Reel. If it's the wrong way around the shuttle seal will be forced into the closed position causing no water to reach the reel itself.

But sometime the shuttle does not move / sticks when test because of rusting etc. in the pipe line which will give you the false impression that the reel is working correctly. If you keep the water long enough the shuttle will release itself cutting the water supply off.

**CHECK ARROW DIRECTION BEFORE YOU EVEN UNROLL THE HOSE.**

**Tip 3:** This is a suggestion to possibly save you time in the future.

Once you have serviced the hose reel leave the nozzle in the open position

Why: You cannot be 100% sure that the CP Valve is working correctly, and it may have a slow leak.

If a customer phones you, and tells you the water is dripping out of the nozzle. The reel has not been used as the seal is still in place. You will immediately know that the CP valve seal is faulty (That's if you serviced it correctly in the first place).

To Buy yourself time you can tell the customer to close the nozzle and place a bucket under it until you arrive to carry out repairs & ask them at the same time if they know where to turn the water supply off.

If you leave the nozzle in the closed position, and the same fault occurs the pressure will build up until the weakest point blows. This is usually the waterway Gland / Seals – This will result in you having to action rectification immediately, and you will now have to strip the reel to replace the seals as well as repair the CP Valve. Also you will probably waste more time finding out where to turn the water supply off.



TOOL BOX 013-HOSE REEL TIPS

|                                     |                      |                           |
|-------------------------------------|----------------------|---------------------------|
| <b>Presented By:</b><br>Name: _____ | <b>Date</b><br>_____ | <b>Signature</b><br>_____ |
|-------------------------------------|----------------------|---------------------------|

| NAME | SIGNATURE | NAME | SIGNATURE |
|------|-----------|------|-----------|
|      |           |      |           |
|      |           |      |           |
|      |           |      |           |