

## HDC Device Installation

The HDC Device saves you time and money and makes it easier for you to enjoy greater comfort in your pool. NSF Standard 50 Certification testing proves that the HDC Device will reduce the amount of chlorine you need to add to your pool to maintain the correct water chemistry. The testing showed a 41% reduction in the amount of chlorine that needed to be added during pool operation. The HDC Device carries a 10-year warranty against manufacturing defects. If you have any questions just visit our website [hdcproducts.com](http://hdcproducts.com) or call +1.808.222.7376 for support.



**Details for HDC Device installation, and items needed for installation:**

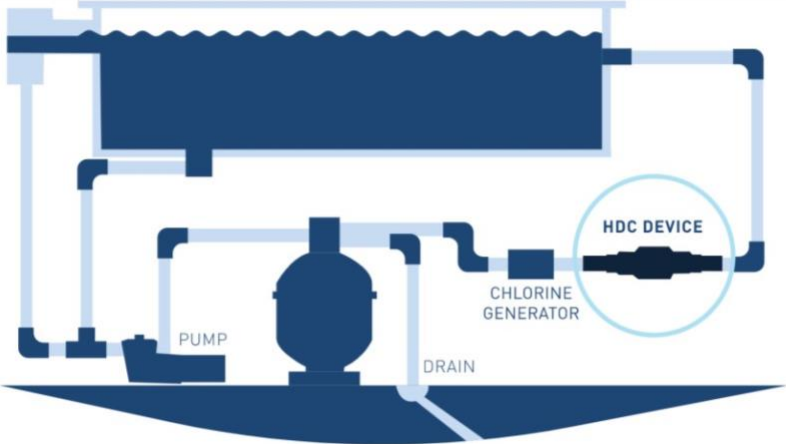
- 1) Saw 2) Deburring tool 3) Measuring tape 4) Marking pen 5) PVC primer 6) PVC cement Optional items for installation: PVC elbows, PVC fittings, PVC pipe towel

**Turn off and lock out the pool pump!** Make sure the piping is not under pressure. Mark and cut the 2" pool piping leading back to the return, clean and remove any burs or debris from all pipes after making cuts. Install the second half of the unions onto the plumbing. Be smart and efficient, measure twice and cut once. Slip the HDC Device into the line and tighten the unions snug only, (as per the union manufacturer's instructions) do not over-tighten. Wait until the cement is dry, (according to the primer/cement manufacturer's instructions and based upon temperature etc.), then turn pump back on and check for leaks and proper system operation.

**WARNING:**

**Turn off and lock out the pool pump!** When working with PVC cement following manufacturers use instructions and recommendations. Be sure to avoid heat and flame and ensure proper ventilation when working with PVC primer/cement. The HDC Device must be the last component in the water treatment and circulation loop (i.e. after the pump, filter, heater, chemical feeder etc.) and it must be installed closest to the water return of the pool. If the return line length is too short to accommodate The HDC Device, use elbows and additional lengths of PVC to create the space. The HDC Device should only be installed by a qualified pool and spa professional or plumber. The HDC Device must be installed on the pool system's return line. The HDC Device works at any angle, horizontal, vertical or diagonal, gravity has no effect upon the HDC Device. Remove the HDC Device from its packaging. Check the IN and OUT water flow direction as per the label. Inspect the contents, including the schedule 40 unions that come with each HDC Device. Install the first half of the 2-inch schedule 40 unions (using PVC Primer and Cement as per the solvent cement manufacturer's instructions) onto the HDC Device and measure the full length of The HDC Device with the Unions. Be smart and efficient, measure twice and cut once.

Installation is quite easy and can be accomplished with simple tools. Just cut out a segment of your 2" PVC plumbing in order to fit the HDC Products hydro-cavitation device in the return line to the pool.



Step 1: Image of plumbing prior to installation, showing a straight run of pipe for device fitment.



Step 2: After pipe was measured, cut away, and the unions have been fitted and glued in place.



Step 3: After device is fitted, connections are made, and glue has cured.





#### **Maintenance of the HDC Device:**

The HDC Device requires no regular or scheduled maintenance at all! It contains no moving parts and is constructed of Poly Vinyl Chloride (same PVC as the plumbing). The HDC Device has no filter(s), it uses no chemicals and it requires no electrical supply nor grounding due to the lack of metal parts.

The HDC Device comes with 2 Schedule 40 unions that we recommend for installing on to each side of the HDC Device to enable easy removal, inspection, or cleaning if something were to get through your filtration system and or clog the HDC Device. In the unlikely event The HDC Device is clogged for any reason, you would turn the pump off (and lock it out) then loosen the unions, flip the HDC Device 180 degrees and run the water through it backwards for 5 minutes to dislodge debris. Then you could reinstall the unit back as it was originally installed.