

# VITA-D-CHLOR™

## METHODS TO DECHLORINATE

**Three basic methods for getting a dechlorination chemical into the water.**

**-- CALL OR E-MAIL SALES DEPARTMENT TO DISCUSS THE BEST ---  
 --- SUITED DECHLORINATION METHOD FOR YOUR SITUATION ---**

METHOD	APPROACH	EQUIPMENT	ADVANTAGES/DISADVANTAGES
<u>Manual</u> <b>Less than \$100</b>	Tablets placed in flow stream. Or Chemical solution dripped into flow stream. Or Broadcast spreading of powder.	1. Mash sack, tablet sock, or tablet (Taby) mat. Or 2. Pail / bucket w/faucet tapped into bottom.	<b>Advantages:</b> Small initial investment. Little setup time required.  <b>Disadvantages:</b> Not as accurate as specialty devices in application of chemical.
<u>Tablet Device</u> <b>\$700 - \$1,500</b>	Tablets placed in a dechlorination device w/tablet chamber	1. Diffuser w/tablet chamber. Or 2. Venturi device w/tablet chamber. Or 3. Separate tablet chamber w/hoses to device.	<b>Advantages:</b> Quick, simple setup. Less costly than Venturi device. Minimal operator training required. Greater control than Manual method.  <b>Disadvantages:</b> Less accurate chemical delivery than venturi. Diffuser design less effective for high Chlorine level dechlor.
<u>Venturi Device</u> <b>\$1,400 - \$2,600</b>	Chemical solution metered into flow stream by vacuum produced by venturi effect of water flowing through device.	Venturi Injector Device, and Mixing / Feed Solution bucket, and Feed solution tubing	<b>Advantages:</b> Highly accurate chemical application Greatest flexibility. Can treat low or high Chlorine levels  <b>Disadvantages:</b> Operator training required. Setup/teardown longer than other methods. Higher initial equipment cost.

### So what should you do?

**If you are starting out and don't have \$1000 in the budget to get started** then simply set up a drip system to mix with discharge water or suspend tablets in the flow stream and direct the water past them.

**If all you want to do is treat your potable water hydrant flushes, and you want a fast and easy method** then purchase a tablet device for each operator. They will be able to do their work at the same rate that they did before with less than \$10 of chemical usage per 30 minute flush.

**If you want to do potable and super-chlorinated water with good accuracy to save money on chemical usage** then a venturi is for you. You will cut chemical usage for the 30 minute flush to less than \$2 and you will be able to do super-chlorinated treatment as well. It will take longer to set up and the operators will need training to set-up, operate the device, and figure out the concentration of solution to make. Most manufacturers of venturi devices supply a calculation sheet to figure out how to make the treatment solution.



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