

# VITA-D-CHLOR™

## BAZOOKA 2½" VENTURI DEVICE & VITA-D-CHLOR™

### DECHLORINATION PROCEDURE



This is a guideline for using Vita-D-Chlor, NSF and Vita-D-Chlor™ Neutral, NSF with the Bazooka (Venturi) to dechlorinate water.

#### General Information:

Both Vita-D-Chlor™ and Vita-D-Chlor™ Neutral are the only NSF-certified dechlorination productions that utilize Vitamin C chemistry. They are 100% organic and contain no ingredients that could be toxic to fish or other aquatic life.

The Bazooka Venturi is based on a variable feed rate design adjusted with the attached flow meter.

#### Procedure:

1. Determine that the chlorine level of the water is 5 ppm or less.
2. Prepare a dechlorination solution with 1 cup (~200g) of VDC per gallon of water.

**NOTE:** This chart is good for water flow between 200 – 800 gpm.  
*Bazookas come with a variety of flowmeters and may not all have the specific settings listed*

IF . . . flow rate is	and . . . pressure gauge reads...	then . . . set flowmeter to . . . .
200 – 300 gpm	5 - 15	4.5 gph
301 – 450 gpm	16 - 30	7 gph
451 – 575 gpm	31 - 55	9 gph
576 – 700 gpm	56 - 80	11 gph
701 – 800 gpm	81 - 100	12 gph

3. Attach Bazooka to the water system discharge valve per manufacturer's instructions.
4. Insert chemical injection tubing into feed solution port at the base of the flowmeter and place other end of tubing into container with dechlorination solution.
5. Set flowmeter to the setting as shown in the table above.
6. Open water system discharge valve to begin flow of water through the Bazooka.
7. Test water flow leaving Bazooka for chlorine residual. If you are achieving a zero chlorine level you may be able to decrease the feed rate of the Vita-D-Chlor solution. If you are not achieving the zero level you will have to increase the reading on the flowmeter and add additional Vita-D-Chlor Tablets to the tablet chamber.

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### Testing:

Regular testing should be done during the flushing process. It is best to pull a "representative sample" from the flow stream. This can be done with the use of a 2 cup or larger household measuring cup through the flow stream. A sample can then be safely and easily drawn from that water for testing.

### General Operation:

If you TURN control valve toward 0, you will decrease flow of feed solution and increase the amount of time between solution batch mixing. HOWEVER, you might not be adding enough feed solution to dechlorinate the water.

If you TURN control valve toward full open, you will increase the flow of feed solution and decrease the amount of time between solution batch mixing. HOWEVER, you might be using too much VDC mix and overdosing the discharge water.

If you INCREASE the VDC mix amount, you will be able to decrease the feed solution flow and increase the amount of time between solution batch mixing.

If you DECREASE the VDC mix amount, you have to increase the feed solution flow and decrease the amount of time between solution batch mixing.

All presented calculations are a general starting point. Accurate dosing can only be achieved with regular testing and proper adjustments for your specific situation.

### Note:

Dechlorinating water being released to the environment can have wide ranging effects. Therefore it is very important to use the safest chemistry possible in this operation. Over-dechlorination with harmful chemicals can be more toxic to aquatic life and the environment than the chlorine itself. **Vita-D-Chlor™**, however, has been proven effective as a dechlorinating agent, an environment-friendly natural product, and essential to healthy fish and aquatic life. For this reason municipalities nationwide are setting up their field dechlorination programs using **Vita-D-Chlor™** exclusively.

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