



# Poultry Health Services Ltd.

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## Recommendation for water line treatment when barn is empty

Step 1	High pressure flush	5 min
Step 2	<p><b>Proxy-Clean 1 oz/gallon (final conc. 0.8%)</b>  <b>Proportioner:</b> Add Undiluted Proxy-Clean, deliver at 1:128. 1 jug (3.78 liters) will treat 135 US gallons or 500 liters</p> <p>or</p> <p><b>*Proxy-Clean (final conc. 3.0%)</b>  <b>Bulk tank:</b> Add 1 Jug (3.78liters) of Proxy-Clean to 32 US gallons (120 liters) of water and fill the water lines with this stock solution</p>	12 hours (no longer than 24 hours!)
Step 3	High pressure flush	5 min
Step 4	<p><b>Proportioner: **PWT :</b> 2 packs with 4 gallons (15 liters) of water. Deliver at 1:128 (2 packs will treat approximately 2000 liters)</p> <p>or</p> <p><b>Bulk tank:</b> 2 packs of <b>PWT</b> in 500 gallons (approx. 2000 liters) of water and fill lines with the stock solution</p>	8 hours (no longer than 24 hours!)
Step 5	High pressure flush	5 min
Step 6	<p><b>Virocid (0.2% final concentration solution)</b>  <b>Proportioner:</b> 1 liter Virocid with 3 liters water deliver at 1:128 – 1 liter will treat approximately 500 liters</p> <p>or</p> <p><b>Virocid (0.5% final concentration solution)</b>  <b>Bulk tank:</b> Add 1 liter of Virocid in 53 US gallons (approx. 200 liters) of water and fill the water lines with the stock solution</p>	1 hour
Step 7	High pressure flush	5 min

**\* If you have a bulk tank we recommend the 3% Proxy-Clean final solution. This concentration can also be achieved with an adjustable pump**

Swab and test the water lines before and after cleaning to monitor success. Waterline cleaning and disinfection does not replace the ongoing need to use a sanitizer such as chlorine or peroxide while the birds are in the barn. Repeat as required.

\*\*More PWT may be required if the water pH is greater than 8.9

- 3 packs in 4 gallons(15 liters) for pH 8.5-9.2 when Alkalinity is 231-350
- 4 packs in 4 gallons(15 liters) for pH >8.9 when Alkalinity is >350

**\*\*\*Make sure there is adequate air release out of the system when using Proxy-Clean. Peroxide will react strongly with biofilms and organic matter in water lines producing gas!**

Trigger the nipples to ensure that each treatment goes through the whole system. Be sure not to mix chlorine with strong acid solutions. Read all product instructions and follow your waterline equipment recommendations. Confirm with your waterline supplier that these recommendations will not damage your water line and drinkers.

Type of lines	Volume (liters) / ft of line
<b>ValCo</b>	
5/8"(insul)1.58cm	0.06
3/4" 1.9 cm	0.09
<b>Ziggety</b>	
3/4" 1.9 cm	0.09
1" 2.54cm	0.15

Calculation of water line volume:

$$\text{volume of water lines (in liters)} = (\text{length of water lines ft}) \times (\text{volume (liters) / ft of lines}) \times (\text{number of lines})$$

Example: One 400 foot barn with 4 lines, 3/4":  $400 \times .09 \times 4 = 144$  liters