

Cleaning Water Lines After the Use of Copper Sulfate

Copper sulfate is a commonly used product in poultry production. This product is different from other additives because it is a mineral product that causes a mineral scale build-up in the water lines. Many times this is seen as a blue residue in the drinker system causing clogged or inoperative drinkers. This residue must be removed to ensure proper drinker operation.

Step 1: Between flock use to remove heavy soils from the drinking water system:

1. Use a Qwik-Blend™ proportioner pump to deliver a 3% solution directly from the Proxy-Clean® jug into the water system.
2. To provide adequate air release and to push Proxy-Clean® into the line, remove a cap (or open a valve) at the end of the drinking system.
3. Put a catch bucket at the end of the line (if there are no flushing hoses to the outside) where the cap has been removed.
4. Watch for fizzing in the bucket or on the ground outside where the hoses empty.
5. Put the caps back on (or close the valve) at the end of the water line.
6. Trigger all nipples. Allow solution to sit 24 to 72 hours.

Step 2: To remove the mineral scale build-up:

1. Use a Qwik-Blend™ proportioner pump to deliver a 3% solution directly from the Mineral Clean™ jug into the water system.
2. Push the Proxy-Clean® out of the water lines by following it directly with Mineral Clean™ using the procedure listed above. There is no need for a fresh water flush between Proxy-Clean® and Mineral Clean™.
3. To provide adequate air release and to push Mineral Clean™ into the line, remove a cap (or open a valve) at the end of the drinking system.
4. Put a catch bucket at the end of the line (if there are no flushing hoses to the outside) where the cap has been removed.
5. Watch for a slight pink color in the bucket or on the ground outside where the hoses empty.
6. Put the caps back on (or close the valve) at the end of the water line.
7. Trigger all nipples. Allow solution to sit 24 hours.
8. Flush fresh water into the system and trigger the nipple drinkers again.