

# Bleeder Valves

It is Verdegaal Brothers' policy to ask growers to call for a trained company serviceman to service the sulfuric acid injection system. If a grower decides on their own initiative to bleed the line, some guidelines are listed:

When operating the bleeder valve, make sure the correct PPE (Personal Protection Equipment).

- Face Shield
- Safety Glasses or splash goggles
- PVC or plastic gloves
- Minimum of plastic apron

Have a plan to get to a source of water immediately in case skin comes in contact with acid

1. Open the bleeder valve a quarter turn.
2. Stand on the opposite side of the bleeder hose.
3. Open the ball valve located on the base of the tank.
4. Gravity follow will allow acid to move through the hoses, up to the filter, and through the pump, and finally out the bleeder valve.
5. Once the acid makes it through the bleeder hose, turn the system on.
6. The pump will release any air still in the lines by pulsating the acid/air out the bleeder hose.
7. After the air subsides, close the bleeder valve firmly.
8. The end of the bleeder drain hose should direct the acid to dirt, not onto concrete slab.

**Be patient. The tendency is to become impatient and open the bleeder valve too far, to the point where the cap becomes unscrewed. This is where accidents occur, because sulfuric acid will squirt out.**