

Required Equipment for Chemigation

These must be in place before being approved for a permit and must be in place and in use during any application

1. Irrigation pipeline check valve

An irrigation line check valve must be located in the pipeline between the irrigation pump and the point of chemical injection into the irrigation pipeline. check valve must stop water and chemicals from draining or siphoning back into the irrigation well, when the system is shut down. The check valve must have positive closing action and water tight seal.

2. Vacuum relief valve

Vacuum relief valve must be located on the top of the pipeline between the irrigation pump and the mainline check valve. The valve allows air into the pipeline when the water flow stops, preventing a vacuum that could cause siphoning.

3. Inspection port

Inspection port must be located between the irrigation pump discharge and the mainline check valve. The 4-inch inspection port enables the operator to make a visual inspection for possible leaks of the check valve.

Vacuum relief valve connection can often serve as the inspection port

4. Low pressure drain

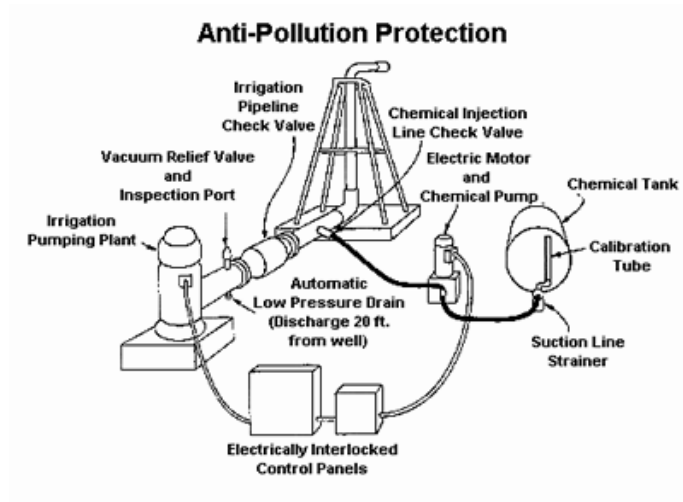
Low pressure drain, made of corrosion-resistant material and having at least 3/4" orifice, must be located on bottom of the horizontal pipe between the irrigation pump and the irrigation pipeline check valve. Drain must discharge at least 20 feet from the water source to keep any mixture of water and chemical away from the irrigation source.

5. Chemical injector check valve

Chemical injection line check valve must be located between the point of chemical injection into the irrigation pipeline and chemical injection pump. valve should be chemically resistant. With a minimum opening pressure of 10 psi, the check valve is needed in order to stop the flow of water from the irrigation system into the chemical supply tank. Also prevents gravity flow from the chemical supply tank through the injection pump & into the irrigation pipeline after an unexpected shutdown.

6. Simultaneous interlock device

The irrigation pump and chemical injection pump need to be interlocked so that if the irrigation pump stops, the chemical injection pump will also stop. This interlock prevents the pumping of chemicals from the supply tank into the irrigation pipeline after the irrigation pump stops.



NRD Offers Chemigation Equipment

Chemigation Signs:	\$4.74+5.5% sales tax = \$5.00
Mister/Mister Valve: (low vol.)	\$28.44+5.5% sales tax = \$30.00
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