360 EQUI-FLOW

Q DOES THE SYSTEM ALLOW FOR VARIABLE RATE?

No. 360 EQUI-FLOW uses a pump to pressurize the lines to a manifold that holds flat plate orifices. These orifices ensure uniform delivery of liquid anhydrous to each row. And while the flat plate orifices can handle a relatively narrow range of rates, they would not accommodate the range normally associated with VR applications.

Q HOW DOES THE SYSTEM DETECT BLOCKAGE OR RATE DROPS?

An optional gauge tree provides a simple visual reference for flow and pressure to each row.

Q DOES THE "PLUMBING" CHANGE COMPARED TO A COLD FLOW SYSTEM?

No. The system is plumbed in the same way a cold flow system operates.

Q WHAT ARE THE AMBIENT TEMPERATURE RANGES IN WHICH 360 EQUI-FLOW CAN OPERATE?

Because 360 EQUI-FLOW is a pressurized system, it only needs enough tank pressure to get product from the tank to the 360 EQUI-FLOW inlet. So as ambient temperatures drop, pressure in the bulk tank drops – often prohibiting flow through the traditional cooling tower and on to the knife. The most common lower limitation on temperature is ground conditions – can you still get the knife to penetrate and seal? There is no upper limit on temperature although soil temperatures must be 50 degrees or less to safely apply anhydrous ammonia.

Q HOW IMPORTANT IS IT TO CHANGE ORIFICE SIZE WHEN CHANGING RATE?

You must match the orifice to the rate. The correct orifice is critical to accurate application.

Q HOW HIGH SHOULD I RUN THE HYDRAULIC FLOW TO THE PUMP?

13 GPM is the maximum flow rate.

Q SHOULD I CARRY MORE THAN ONE SET OF ORIFICES?

Yes, you should have at least a size above and a size below your target rate.

Q WHAT IS THE ADVANTAGE OF 360 EQUI-FLOW OVER STANDARD NH3 SYSTEMS?

It has the ability to turn ammonia vapors back to liquid and pump 100% liquid product to the knives.