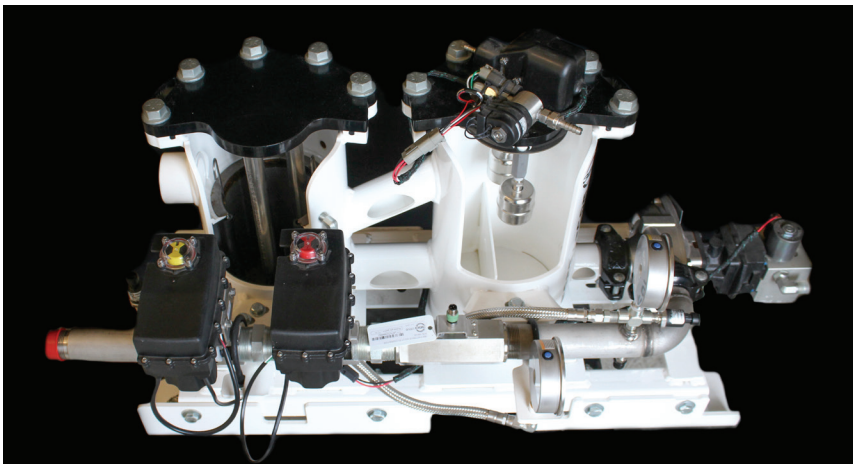
BOOST ANHYDROUS AMMONIA ROW-TO-ROW ACCURACY

Anhydrous ammonia is an economical and practical way to establish a base application of nitrogen. Traditional cold-flow anhydrous application systems rely on tank pressure for distribution and injection. That makes these systems dependent on air temperatures — and is one reason for uneven distribution from knife to knife. It also limits the application window — too cold and there is no flow.

360 EQUI-FLOW™ keeps ammonia in its liquid state all the way to the knife, increasing row-to-row accuracy. And its pressurized system can operate efficiently and accurately at low temps.

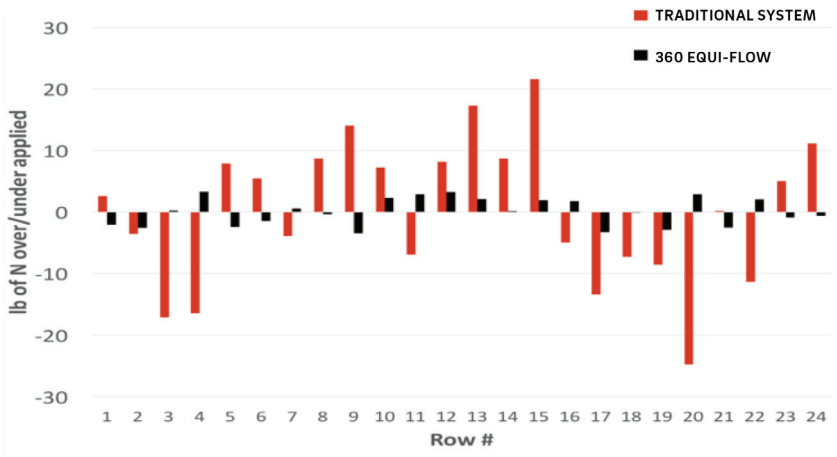


HOW 360 EQUI-FLOW WORKS

- Ammonia from the tank is delivered to the initial filter.
- In the tower, the ammonia is separated into gas and liquid. The vapor is condensed back down into liquid and it all moves to the pump.
- The hydraulically driven centrifugal pump pushes 100% liquid ammonia through the flow meter and control valve to the manifold.
- The equal distribution manifold equalizes flow to each outlet.
- Every row gets the same amount of ammonia in liquid state.

360 EQUI-FLOW SIDE-BY-SIDE TESTING

Tests with conventional systems and 360 EQUI-FLOW show the difference in row-to-row accuracy. At 120 pound application rate, the traditional system varied by over 20% and under 20% with a total error range of 45%. The 360 EQUI-FLOW application range was plus/minus 4%.



Centrifugal pump condenses NH3 into liquid for even application, regardless of rate and temperature.

Row-to-row variation shows up at the worst time for corn production. 360 EQUI-FLOW produces precision application for row-to-row accuracy.

Improved sealing at injection point, minimizing losses.

CALEB HAWBAKER | TUSCOLA, ILLINOIS

"360 EQUI-FLOW is the only way I would apply ammonia. I would not feel comfortable applying ammonia without 360 EQUI-FLOW. It's a total game changer in the ammonia market."