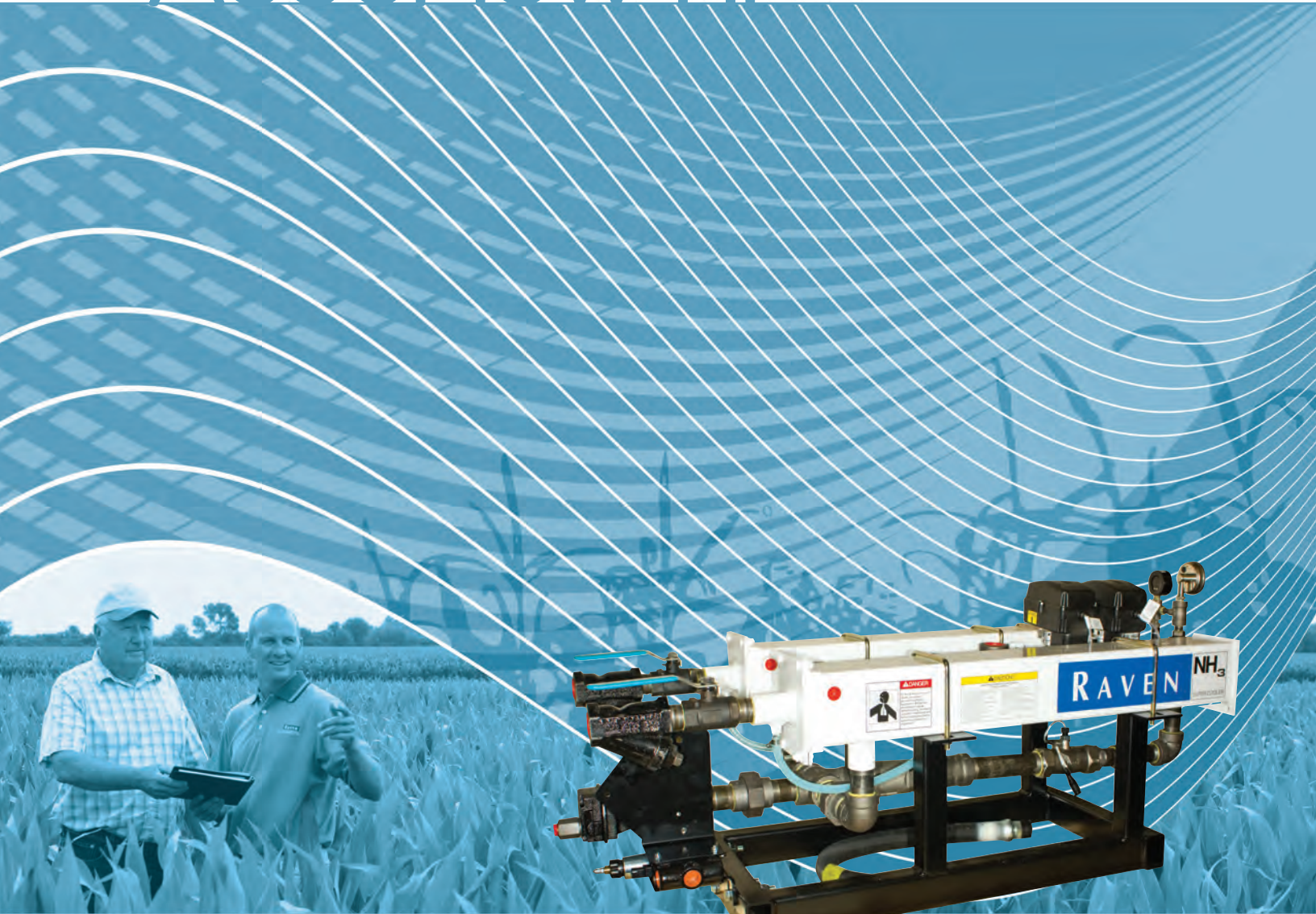


RAVEN

Simply improving your position.SM

AccuFlow™ & AccuFlow HP™



Super cooled. Super accurate NH₃ application system with high performance option.

AccuFlow™ & AccuFlow HP™



Raven has raised NH₃ application technology to new levels of performance by adding the AccuFlow HP (high performance)

system to its product line. The new AccuFlow HP system is designed with extra capacity to run at higher speeds and colder temperatures, giving you more time and flexibility to apply anhydrous ammonia. Both AccuFlow and AccuFlow HP models come with the same industry-leading accuracy, ease of operation, and reliability you expect from Raven.

More savings and convenience. Properly matched with Raven's spray consoles or multi-function field computers, your AccuFlow and AccuFlow HP systems guarantee your crops get the nitrogen they need, where they need it. Simply set the rate and drive—or VRA your NH₃ application for even greater cost savings and efficiency.

Pick your level of precision. For both the AccuFlow and AccuFlow HP systems, you have two options to match your field conditions, desired performance level, and budget. Whether you choose the two-valve design or fast-valve option, your fields are covered!

Superior control and compatibility. AccuFlow and AccuFlow HP work seamlessly with AccuBoom/Switch Pro section control technology and Raven's industry-leading direct injection systems, spray consoles and field computers. You'll also like the fact that AccuFlow HP is compatible with our multi-product controllers.

Strip tillers delight. For maximum yield and efficiency, AccuFlow and AccuFlow HP deliver the perfect solution for applying NH₃ in precisely the right amount and location at the same time you apply P and K. AccuFlow HP also works beautifully with Raven's multi-product control systems.

Making it easy application with

How does it work? Both AccuFlow and AccuFlow HP models use super cooling technology to stabilize NH₃ as a liquid, rather than a gas for superior accuracy and control. Paired with your Raven control system, that means higher yields, less waste, and lower input costs. And with AccuFlow HP's high performance capabilities, you can do it faster and at colder temperatures than ever before.

Shared System Features & Benefits

Achieve up to six-section NH₃ control with Raven's AccuBoom and Switch Pro section control technology. This combination offers more performance with



asier for you to get more out of your NH3 th more time, flexibility—and performance.

every pass by automatically shutting off tool bar sections as you cross into no apply zones and previously applied areas.

Two valve options let you match your farming needs and budget with your desired level of precision.

- **The two-valve option** is designed with one valve to open-close the system and another to control the flow rate for industry-leading performance—ideal for variable rate applications.
- **The fast-valve option** controls the flow and turns the system on and off with a single valve—offering a lower cost alternative with trusted Raven precision and savings.

Convenient cooler disassembly means easier cleaning and maintenance for years of dependability and superior performance.

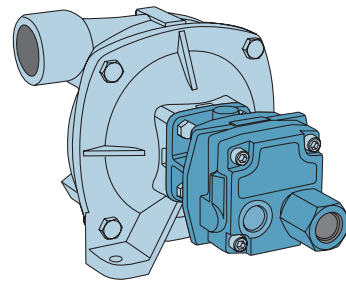
Two monitoring options allow you to apply NH3 in either gallons or pounds per acre. You decide—and AccuFlow takes care of the rest.

Space-saver plumbing kits are available for both the two-valve and fast-valve systems for added convenience when space is limited.

High Performance Features & Benefits

AccuFlow HP offers a lower cost solution and faster ROI than any other product on the market—thanks to its stepped-up capacity to run faster, cover more ground and operate at lower temperatures than ever before.

Industry-first variable speed pump runs as fast as it needs to run—no more and no less—for incredible efficiency. That saves your tractor up to 10 horsepower, increases fuel efficiency and means less wear and tear on your system. And when the pump isn't needed, it simply shuts itself off.



The AccuFlow HP pump is designed exclusively for Raven's AccuFlow HP system for maximum performance—and safety.

Nearly double the capacity for handling the heaviest, most demanding situations for applying NH3. AccuFlow HP's super cooler maintains just the right temperature for precise NH3 metering and application.

Higher operating speeds and colder temperature range increase your application window—and let you cover more acres in less time.

Compatible with Raven field computers and spray consoles with two-product capability giving you more room to grow with other precision-based solutions from Raven.

The High Performance Difference*

	Without HP	With HP	% Increase
Example 1 (Max GPM)	40 GPM	54 GPM	35%
Example 2 (Max GPM)	49 GPM	78 GPM	59%
Example 3 (Max MPH)	6.5 MPH	10.4 MPH	60%

* Results may vary depending on your system and set-up.



More precision-based solutions to build on your NH₃ application system from Raven.

Raven offers a variety of innovative precision-based solutions to help you build the perfect NH₃ application system for your operation. Here are a few:



Envizio Pro II (Fall 2010) Raven's new multi-function field computer does it all—integrated RTK precision, advanced planter control capabilities, yield monitoring, dual-product control, optional single-product VRA, wireless Internet capability, and more.



Viper Pro Multi-function field computer with more power and faster processing times for enhanced system performance; optional five-product VRA and vertical 10.4-inch touch-screen display; wireless Internet capability and more.

Sidekick Pro (Fall 2010) Raven's Sidekick Pro and Sidekick direct injection systems make nitrogen stabilizer and chemical injection simpler, safer and more economical. An easy add-on to improve NH₃ performance, reduce chemical waste and eliminate tank mixing and rinsing.

AccuBoom Automatic boom/NH₃ bar section control with CAN technology for extra chemical savings and environmental benefits. Eliminates skips and automatically avoids no spray zones and previously applied areas.

Switch Pro A simple upgrade to automatic section control from Raven's SCS 440, 450 or 4400 spray control systems. Plugs directly into our Raven field computer. Up to six-section NH₃ control and 10-section product control.



SmarTrax RTK The most accurate GPS-assisted hydraulic steering package in its class. Delivering hands-free steering with sub-inch RTK accuracy, 3D compensation, faster line acquisition and more accurate spraying, spreading, seeding and tillage.

Your Raven brand distributor and Precision Ag Specialist can help you evaluate your needs and build the best precision ag system for your operation.

- FIELD COMPUTERS
- GUIDANCE & STEERING
- APPLICATION CONTROLS
- BOOM CONTROLS
- PLANTER CONTROLS

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Raven: Simply improving your position.SM

Adding Raven to your operation brings an unequaled brand of precision agriculture innovation and performance to your farm.

Imaginative products that are relevant and reliable. A thoughtful approach to solving problems unique to agriculture. Seamlessly integrated systems that simply work — simply.

An incredible depth of human resources: On-the-ground service from Raven Precision Ag Specialists; our customer-oriented product development and support staff; and your local Raven dealer or distributor.

Raven offers a powerful and profitable product portfolio — targeted precisely on what matters most: Reducing input costs. Increasing yields. Saving time and labor. Making better decisions. Enhancing environmental stewardship. Achieving your financial objectives.

It's all about improving your position. Pinpointing exactly where you are in your field. Applying best management practices to grow more with less. Helping you meet challenge, cope with change and capitalize on opportunity. Strengthening your balance sheet.

If you want to farm better, smarter and more profitably, discover Raven. Because improving your position is our highest priority.