

# HD 200

SelectSpray



JOHN DEERE  
GOLF

More applications  
than dedicated sprayers



## Filled with more options (Including the one to do more than a dedicated sprayer)

The SelectSpray Series offers you a choice of a centrifugal or diaphragm pump, a choice of an advanced automatic or manual rate controller, plus one more important option: The choice to use your utility vehicle for more than spraying. In minutes, and without tools, you can detach the sprayer and use your ProGator Heavy Duty Utility Vehicle for countless other tasks around your course.



# HD 200 SelectSpray



## Select the pump of your choice



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## Centrifugal pump

Pumping action is delivered by a rotating impeller. Perfect for applications that demand higher flow rates and lower pressure. This proven, high quality pump can be intermittently run dry without failing its seal.



- Stainless steel can handle more corrosive chemicals, especially irons.
- Standard bleed line ensures pump priming by purging air from the pump.
- LifeGuard silicon-carbide seals allow the pump to intermittently run dry without failing its seal.
- Powered by hydraulic motor.

## Diaphragm pump

Positive displacement pump made for long life, easy service. Ideal for applications that demand higher pressures, such as walking spray booms or nozzle selections that require high pressure.



- Pistons operate in an oil bath for long life and optimal lubrication.
- Mounting location enables easy servicing of diaphragms.
- Effectively handles paint and other tough spray solutions.
- Excellent for providing plenty of pressure for walk-over spray booms.
- Hydraulically driven.
- Chemical never comes into contact with metal components in pump.

## Efficient plumbing

### Exact pressure

Spraying is all about precision, which is why pressure balancing valves are standard equipment on the SelectSpray Series. Whichever pump you choose, they maintain correct system pressure when individual booms are turned off and on.



### Efficient routing

Short hose lengths and the combination of throttling valve and strainer bypass lines makes for simpler plumbing.



### Easy troubleshooting

With only two primary valve-bank assemblies, it's easy to pinpoint the source of a potential service issue. A pressure regulator assembly includes jet agitator, self cleaning line strainer and pressure regulator valve. The boom valve assembly has three electric boom valves with self balancing valves and one manual valve for hose reel or walking boom.

## Select the controller you'd like

Choose an economical manual controller or full-featured automatic rate controller, both capable of assuring the calibration and precise control for successful chemical applications on your course.

### Manual controller

Traditional, reliable and affordable, the rock-solid manual controller is made for straightforward spraying. All functions are integrated into one control box and the operator sets pressure and controls speed manually. It can be easily upgraded to an auto controller later thanks to a common wiring harness.

- Weather-resistant control box includes master switch, individual boom control switches, foam marker switch, boom lift/lower switches and pressure increase/decrease switch.
- Control box located in front of glove compartment. Can be removed without tools.
- 300-psi (20.68 bar) liquid-filled pressure gauge for diaphragm pumps.
- Gauge isolator system allows gauge to read pressure without chemical entering operator area.



## HD 200 SelectSpray

### Automatic rate controller

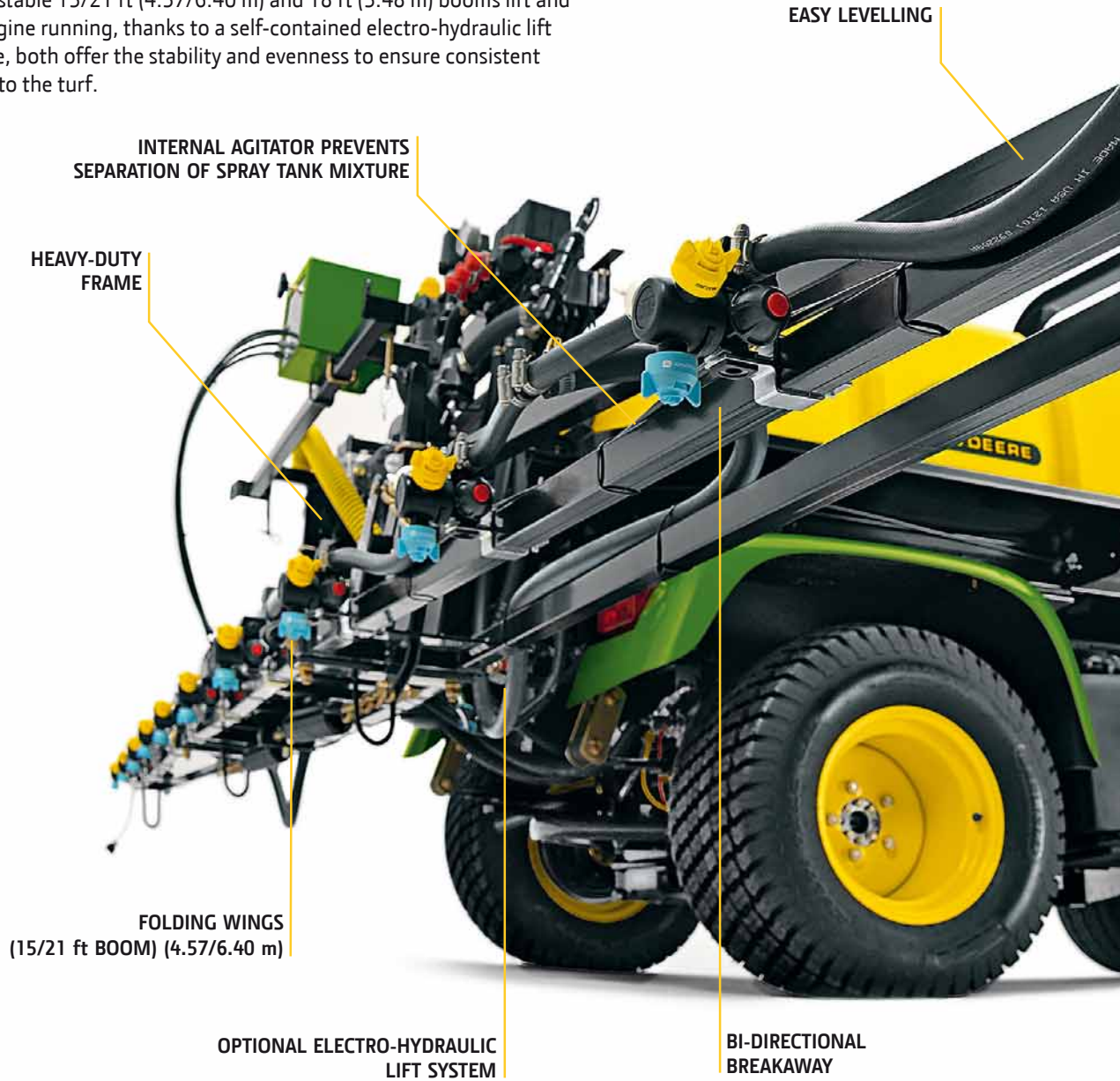
Pre-programmed with John Deere specs, the automatic rate controller is the ultimate in accuracy, precision and simplicity. The operator sets rate and then the controller automatically adjusts the flow or pressure based on vehicle speed. The controller also includes helpful features to help determine the impact of nozzle type, speed and pressure on achieving the target application rate, plus it features warning systems that sound when tank volume and operating pressures are low.

- Control box includes all switches for spraying functions.
- Digital pressure gauge with digital readout.
- A digital sight gauge tells the operator how many gallons/litres are left in the tank and sounds an alarm when only 20.8 gal (94.6 l) remain.
- Display shows total area applied, target rate, speed, pressure and nozzle type being used.
- Can also be operated in manual mode.
- Simple nozzle selection. In setup mode, you can select a nozzle type and the controller automatically calculates the pressure needed to apply the target rate at a given speed.



# Excellent coverage. Simple set up.

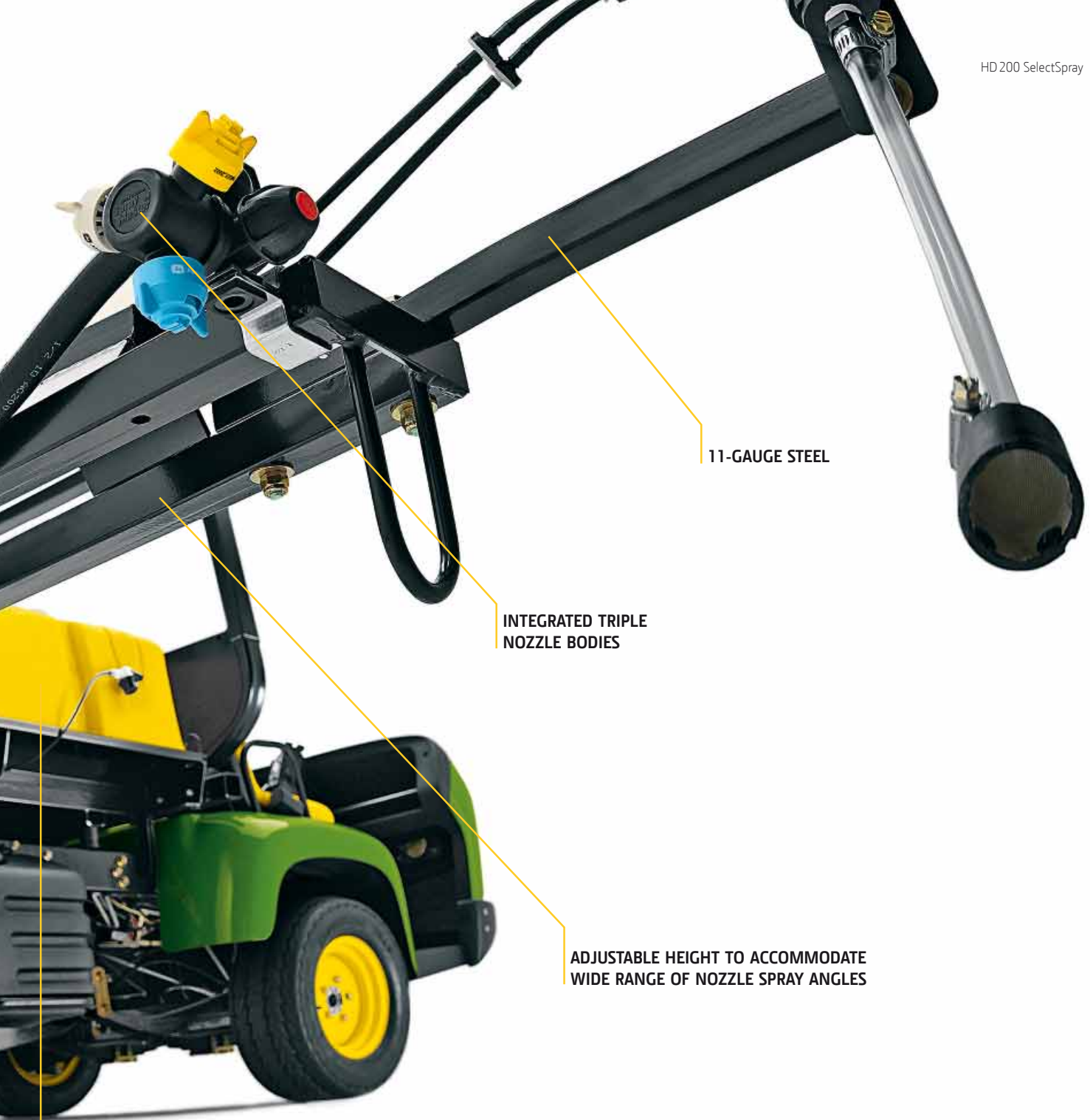
Available height-adjustable 15/21 ft (4.57/6.40 m) and 18 ft (5.48 m) booms lift and lower without the engine running, thanks to a self-contained electro-hydraulic lift system. And of course, both offer the stability and evenness to ensure consistent chemical application to the turf.



**SprayMaster nozzles**  
Choose from a wide variety of nozzle selections and take advantage of John Deere's history of excellence in sprayer technology.



**Standard triple nozzle bodies**  
You can install three different style nozzles, then simply rotate to the one you need for a particular application. A huge timesaver.



11-GAUGE STEEL

INTEGRATED TRIPLE NOZZLE BODIES

ADJUSTABLE HEIGHT TO ACCOMMODATE WIDE RANGE OF NOZZLE SPRAY ANGLES

BUILT-IN PERSONAL WASH TANK



**Breakaway booms**

Spray around trees with confidence. Standard bi-directional breakaway protects the boom if an object is struck while moving forwards or backwards.



**Optional foam marker**

Combined air and liquid lines to foamer head ensures round and accurate droplets. No tools needed to adjust rate – just turn the easy to reach valve.



**Optional chemical induction tank**

System brings loading point down to waist level, plus includes a bottle/jug rinse to get every drop of chemical into the hopper and hopper rinse to ensure there's no residue left when chemicals are transferred to the main tank.

HD 200 SelectSpray	
<b>Machine</b>	
<b>Tank</b>	High density, polyethylene tank with quick-fill attaching point; anti-siphoning, low centre of gravity
<b>Frame</b>	Welded Steel
<b>Rated Capacity, gal (litres)</b>	166.5 (757)
<b>Agitation, in</b>	Jet agitation adjusted by proportional control valve; 5/16-in orifice
<b>Pressure/flow regulator</b>	Electric
<b>Filter</b>	100-mesh; self-cleaning
<b>Boom Shutoff Valves</b>	Electric
<b>Throttling Valves</b>	Standard; adjustable
<b>Optional Centrifugal Pump</b>	
<b>Construction</b>	Stainless Steel
<b>Seal Type</b>	Life Guard silicone-carbide
<b>PTO</b>	Hydraulically driven motor powered by ProGator auxiliary hydraulic pump
<b>Max. Flow, gal/min (l/min)</b>	80.7 (367)
<b>Max. Pressure, psi (bar)</b>	95 (6.6)
<b>Optional Diaphragm Pump</b>	
<b>Number of Diaphragms</b>	3
<b>Lubrication</b>	Oil
<b>PTO</b>	Hydraulically driven motor powered by ProGator auxiliary hydraulic pump
<b>Max. Flow, gal/min (l/min)</b>	25 (113.9)
<b>Max. Pressure, psi (bar)</b>	290 (20)
<b>Relief Pressure, psi (bar)</b>	290 (20); adjustable
<b>Controls</b>	
<b>Optional Manual Controller</b>	
<b>Type</b>	Weather resistant control box with electronic control switches and liquid pressure gauge; removable without tools for storage
<b>Switches on control box</b>	Individual Boom On/Off, Boom Master, Foam Marker, Boom Lift / Lower, Pressure Increase / Decrease
<b>Liquid Gauges, psi (bar)</b>	100 (6.9) gauge for centrifugal pumps; 300 (20.7) for diaphragm pumps
<b>Optional Automatic Rate Controller</b>	
<b>Type</b>	Weather resistant control box with electronic control switches and digital pressure display; removable without tools for storage
<b>Switches on control box</b>	Individual Boom On/Off, Boom Master, Foam Marker, Boom Lift / Lower, Pressure Increase / Decrease, Auto/Manual
<b>Pressure Sensor, psi (bar)</b>	0-363 (0 – 25)
<b>Gauges</b>	Digital speed, digital pressure, digital tank sight gauge and digital flow rate on rate controller screen
<b>Rate Control</b>	Constant pressure or constant flow can be selected
<b>Booms</b>	
<b>Construction</b>	Heavy-duty 14-gauge square tube construction
<b>Number of sections</b>	3
<b>Breakaway</b>	Bi-directional (forward and backward)
<b>Boom height</b>	Adjustable
<b>Lift System</b>	Electro-hydraulic; standard
<b>Width, ft (m)</b>	18 (5.5) or 15 (4.6) / 21 (6.4) (Extensions unfolded)
<b>Nozzle configuration</b>	Triple Nozzle bodies
<b>Optional Foam Marker</b>	
<b>Type</b>	Electric
<b>Pump</b>	Individual air and liquid pump, solution mixes at foamer head
<b>Rate</b>	Adjustable with no tools by turning rotary knob on foamer box
<b>Mounting</b>	
<b>Type</b>	3-pin sprayer to ProGator frame
<b>Removal</b>	3-pins, disconnect 3 electrical connectors, and two hydraulic lines for easy removal without tools
<b>Storage</b>	Optional demount stands
<b>Dimensions (18-ft boom)</b>	
<b>Boom height (wings raised), in (cm)</b>	96 (244)
<b>Boom width (wings raised), in (cm)</b>	66 (167)
<b>Boom width (wings lowered), in (cm)</b>	203 (514)
<b>Dimensions (15/21-ft boom)</b>	
<b>Boom height (wings raised and extensions folded), in (cm)</b>	70 (178)
<b>Boom width (wings raised and extensions folded), in (cm)</b>	96 (244)
<b>Boom width (wings raised), in (cm)</b>	91 (231)
<b>Boom width (wings lowered and extensions folded), in (cm)</b>	188 (478)
<b>Boom width (wings lowered and extensions extended), in (cm)</b>	242 (615)

# HD 200 SelectSpray

## Flexibility no dedicated sprayer can match



1



2



3

Once you're finished spraying, it's simple to detach the tank and free your ProGator for other tasks.

1. Just remove three mounting pins.
2. Disconnect hydraulic lines and electrical connectors.
3. Attach storage stands.
4. You're done. You don't even have to use any tools. Plus, stands include caster wheels so it's easy to move sprayer around and re-install.



4

### 2030A ProGators

- Seamless shifting on-the-go with 5-speed synchromesh transmissions
- Optional on-demand or automatic 4WD
- Tight turning radius 18 inches (45.2 cm) (2WD), 69 inches (175.2 cm) (4WD)
- 19.1 mph (30.7 km/hr)
- 1115 cc diesel engine on 2030A
- Rated capacity 2,600 lb. (1182 kg)\*

*\*Including 200 lb (90.71 kg) operator, 200 lb (90.71 kg) passenger, & loaded attachment. 2,610 lb (1183.87 kg) on 2030A.*

### ProGator Heavy Duty Utility Vehicle Series.

With a heavy duty suspension with dual-leaf springs and one-piece rear axle it can shoulder a sprayer tank and much, much more.



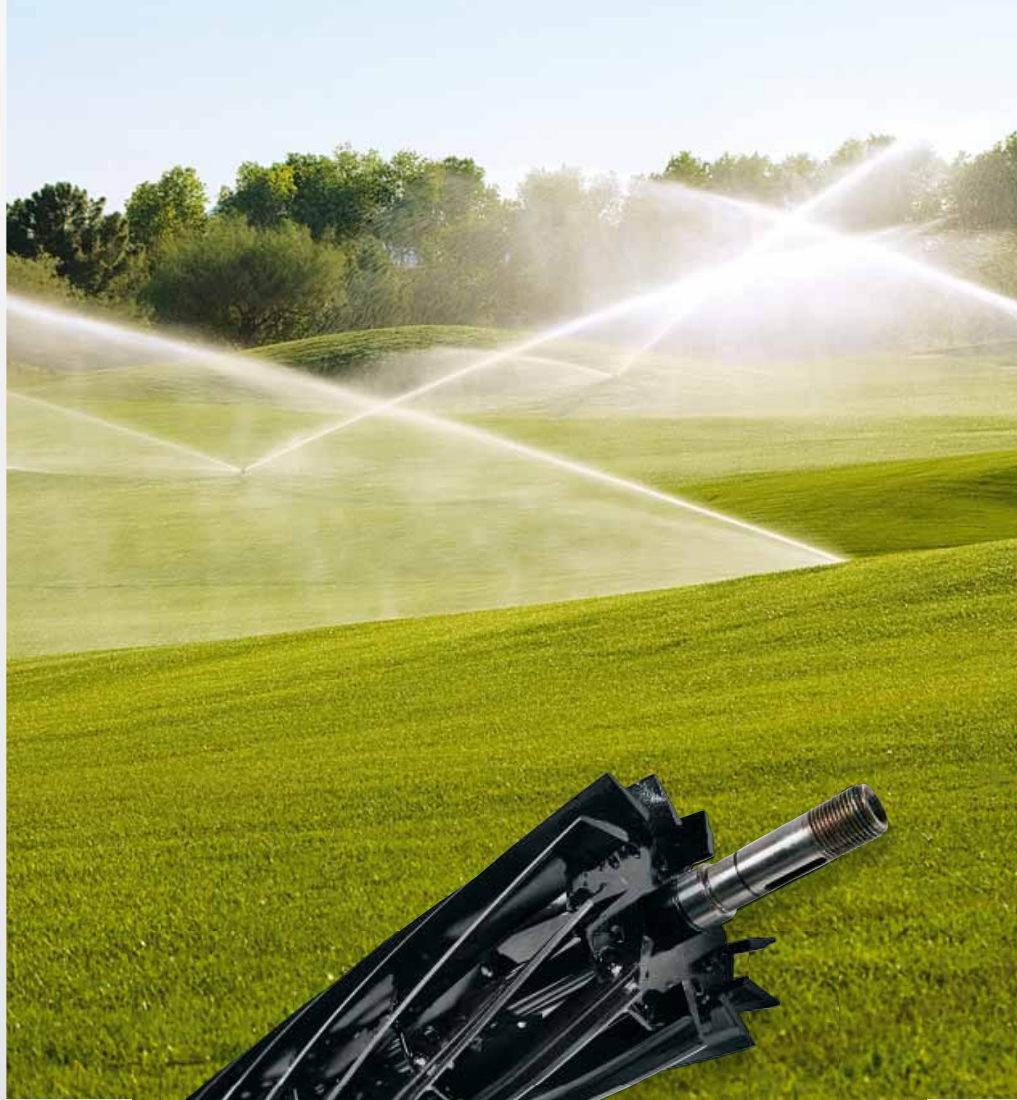
# Consider us part of your team.

## Innovation that's perfect for any renovation.

Our complete irrigation solutions include advanced digital controllers, one of the first web-based control systems available on the market, quality rotors and internal replacements. And you needn't wait for new construction – this technology retrofits many competitive systems.

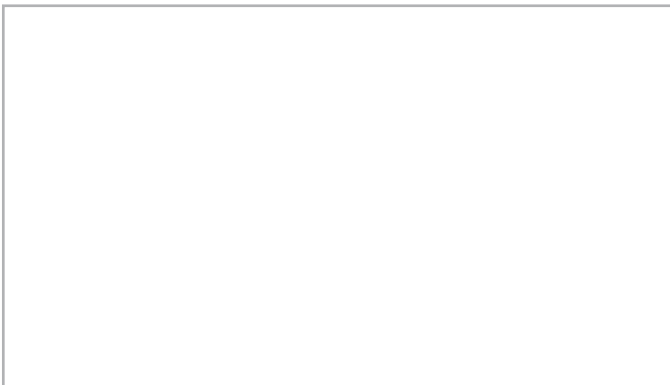
## Replacement parts to give you an edge.

There's no replacement for John Deere parts. Reels and bedknives with low attrition, long lasting tines and rollers precisely machined for a true height-of-cut. The benefits: A sharper looking course, less downtime and a more cost-effective overall operation.



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