



Rhino[®] SD3/XD3

Electric Bulk Unloaders

Industry-leading features provide production flexibility and reduce material waste and operational costs.

Performance by design

Nordson

Rhino SD3/XD3

Durable.
Simple.
Efficient.



Long-Lasting Durability

Reduced downtime and maintenance through rugged design and the highest build quality that maximize production efficiency.

Operator Simplicity

Simple and intuitive front-facing operator interface features system connectivity in either Profinet or Ethernet IP, providing flexibility to meet customer specifications.

Features Bring Efficiency

Simplified controller interface, advanced light tower indication, extended air motor life, optimized hydraulic section and robust packing glands are just some of the features providing optimum efficiency.

Reduced Material Waste Brings Cost Savings

Ultra low-waste follower plate reduces material waste by over 65%, providing extreme cost savings.

Industry-Leading Features & Benefits

Enhanced Cable Protection

55-gallon configurations are fitted with a cable track to provide protection from harsh manufacturing environments.

Simplified Control Interface

Ram and pump controls are strategically grouped together and easy to access through removable covers, making the interface easy to operate and repair.

Durable Hydraulic Section

With no internal seals, simple-to-remove packing cartridges and easy access to the solvent port, the hydraulic section design provides easy maintenance.

Simple Container Change

Integrated blow-off control prevents vacuum generation when removing the follower from an empty container.

Elimination of Operator Error

Optional material barcode reader scans material containers to ensure a match between the application and desired material, providing production reliability, cost savings associated with rework, quality assurance and audit trails.

Extreme Air Motor Life

Rated to 8,000,000 cycles, the high-efficiency air motor is designed for the most demanding work cells and provides consistent pressure, cycle after cycle.

Industry-Leading Standard Options

Comprehensive range of standard options are included on every unit, such as runaway detection and prevention to prevent premature unloader failure as well as light towers for visual factory floor alerts.

Readily Available Upgrades

From bar code scanners that prevent the use of incorrect materials, to conveyors for easy container transitions, strategically designed options are available for when your production increases.

Note: Image displays some features which are optional / dependent on configuration.



Rhino Electric Bulk Unloader Products

Type	Description	Container Size	Pump Power Ratio	Wetted Material	Temperature Control
SD3	Standard Duty	5- and 55-gallon	40:1, 65:1	Carbon Steel	Ambient, TCU, 240V
XD3	eXtreme Duty	5- and 55-gallon	40:1, 65:1	Carbon Steel	Ambient, TCU, 240V
XD3 - SS	eXtreme Duty -Stainless Steel	55-gallon	40:1, 65:1	Stainless Steel	Ambient
XD3 - ARW	eXtreme Duty - ARW	5- and 55-gallon	40:1	Stainless Steel	Ambient, 240 V

Dimensions

	55-Gallon	5-Gallon Dual Post
Width	51 in. / 130 cm	33 in. / 84 cm
Height*	78 in. / 198 cm	73 in. / 185 cm
Depth	26 in. / 66 cm	20 in. / 51 cm

*Height listed with Ram in down position.

Container Size Specifications

Container Size	Container Style	Follower Size
5-gal / 20-L	Tapered 280 - 286 mm	Wiper 280 - 286
5-gal / 20-L	Straight 11 in. / 280 mm	280
5-gal / 20-L	Straight 11.25 in. / 286 mm	286
5-gal / 20-L	Straight 12 in. / 305 mm	305
5-gal / 20-L	Straight 12.25 in. / 310 mm	310
5-gal / 20-L	Tapered 305 - 310 mm	Wiper 305 - 310
55-gal / 200 L	Straight 22.5 in. / 571 mm	55-gal

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Nordson expertise is always here when you need it

Our infrastructure provides fast access to factory-trained engineers when you need support. Plus, our global parts supply chain means you can always source the parts you need to put things right – fast.

In highly competitive manufacturing sectors, accuracy is vital and performance is essential. That's why we apply both to everything we do, whether it's our products, expertise or after-sales service that enables you to maintain the highest standards, maximize productivity and work even more efficiently. Precisely why manufacturers who demand quality they can rely on, always specify Nordson.

Performance by design

Technical Specifications

Item	Description
Volume per Cycle*	190 cc / 6.42 fl oz.
Maximum Output	2.85 L/min. / 0.75 gal/min.
Maximum Cycle* Rate	Intermittent: 1 cycle per 4 sec. Continuous: 1 cycle per 8 sec.
Dynamic Viscosity Range	30,000 - 4,000,000 cps
Standard-Wattage Hydraulic Section	240 V / 500 W
High-Wattage Hydraulic Section	240 V / 1,000 W

*Cycle consists of one down stroke and one up stroke.

Power Factor Specifications

Power Factor Range	Material Pressure Range
6:1	240 - 450 psi / 16.5 - 31 bar
10:1	400 - 750 psi / 27.5 - 51 bar
15:1	600 - 1,000 psi / 41 - 75.5 bar
25:1	1,000 - 2,000 psi / 69 - 137.5 bar
40:1	1,600 - 3,200 psi / 110 - 220.5 bar
65:1	2,600 - 4,800 psi / 180 - 331 bar

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