



# Rhino<sup>®</sup> SD3/XD3

## Pneumatic 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.  
Cost-effective.



## 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.

## Modular Design

A range of interchangeable air motors and follower plates enable simple system configuration.

## Dispensing Consistency

Fast air motor changeover, rapid cycling and a dual air-piloted cylinder provide uniform material output and consistent material pressure.

## Operator Simplification

Simple and intuitive front-facing pneumatic controls feature automatic shutdown functionality that prevents damage to the unit when the follower reaches the bottom of the container.

## Safety Compliance

Tapered solvent cup ensures a finger-safe design and CE compliance.

## 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.

## Durable Hydraulic Section

With the elimination of internal seals, simple-to-remove packing cartridge and easy access to the solvent port, the hydraulic section design provides easy maintenance.

## Reduce Downtime

Optional automatic changeover feature minimizes downtime by allowing continuous production during material container changes.



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

## Rhino Pneumatic Bulk Unloader Products

Type	Description	Container Size	Pump Power Ratio	Wetted Material	Temperature Control
SD3	Standard Duty	5-gallon	6:1, 10:1, 15:1, 25:1	Carbon Steel	Ambient
		55-gallon	10:1, 25:1, 40:1, 65:1		
XD3	eXtreme Duty	5-gallon	6:1, 10:1, 15:1, 25:2, 40:1, 65:1	Carbon Steel	Ambient
		55-gallon	25:1, 40:1, 65:1		
XD3 - SS	eXtreme Duty Stainless Steel	5-gallon	6:1, 10:1, 15:1, 25:1, 40:1, 65:1	Stainless Steel	Ambient
		55-gallon	10:1, 25:1, 40:1, 65:1		

### Dimensions

	55-Gallon	5-Gallon Dual Post	5-Gallon Single Post
Width	51 in. / 130 cm	33 in. / 84 cm	23 in. / 58 cm
Height*	88 in. / 224 cm	83 in. / 211 cm	79 in. / 201 cm
Depth	26 in. / 66 cm	21 in. / 53 cm	19 in. 48 cm

\*Height listed with Ram in down position.

### 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

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

### 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

### 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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*Performance by design*

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