

HDLV® 55-Gallon Powder Drum Dolly with HDLV® High-Capacity Pump Station



The new Nordson Portable 55-gallon Powder Drum Dolly with integrated HDLV® High-Capacity Pump Station allows for easy, efficient handling of drums for virgin powder feed to your powder system. HDLV (High Density Powder Low Velocity Air) provides greater powder output using less air to transfer powder.

HDLV Technology

Nordson's patented HDLV high-capacity pump technology transfers more powder using less air, to provide significant improvements over traditional venturi-style pump technology.

- **Greater output for higher productivity rates** – up to 360 lbs (163 kg) per hour – the equivalent of 3 to 4 conventional venturi-style transfer pumps
- **Improved savings in compressed air usage** – HDLV requires only a fraction of the compressed air needed to operate a conventional venturi-style transfer pump
- **Lower powder velocity with less air to propel the powder** – minimizes the possibility of over-pressurization and impact fusion as with a conventional venturi-style transfer pump
- **Quick color change** – with the manual purge function, easy and fast color change is achieved without pump disassembly



HDLV® 55-Gallon Powder Drum Dolly with HDLV® High-Capacity Pump Station

HDLV® High-Capacity Pump Station

The HDLV High-Capacity Pump Station with integral controls is also available as a separate powder transfer device. It features conveyance air control, auxiliary air control and a manual purge button. The HDLV High-Capacity Pump Station also can be integrated into your current system – pumping to and/or from various powder containers, including:



- Fluidized Hoppers
- Non-fluidized Boxes
- After Filters
- Scrap Drums
- And other various powder containers

HDLV® 55-Gallon Powder Drum Dolly with HDLV® High-Capacity Pump Station

Specifications

Output (Maximum)

4 kg (9 lb) per minute

Purge Air

4.8 bar (70 psi)

Operating Air Pressures

Pinch Valves

2.4-2.75 bar (35-40 psi)

Conveying Air

0.7-1.0 bar (10-15 psi)

Air Consumption

Conveying Air

28-56 l/min (1-2 cfm)

Total Consumption

198-255 l/min (7-9 cfm)



ITEM	CONTROL	FUNCTION
1	Manual Purge	Press to manually purge the pump. Air at the supply pressure is delivered to the two fittings on top of the pump.
2	Pump Supply Air Regulator	Regulates pump air. Normal operating pressure is 4.8 bar (70 psi).
3	Vibrator Air Control Valve	Controls air flow to the vibrator motor or to an auxiliary function.
4	Vibrator Air Regulator	Regulates air pressure to the vibrator motor or to an auxiliary function. Normal vibrator motor operation pressure is 2.75-3.45 bar (40-50 psi).
5	Pinch Valve Air Regulator	Regulates air pressure used to operate the pump pinch valves. Normally set to 2.4-2.75 bar (35-40 psi).
6	Conveying Air Regulator	Regulates positive and negative air pressure applied to the fluidizing tubes to draw powder into and push powder out of the pump. Normally set to 0.7-1.0 bar (10-15 psi).

Nordson reserves the right to make design changes to products to improve their function.
These changes may occur between printings.

For more information, talk with your Nordson representative or contact your Nordson regional headquarters office.

United States

Amherst, Ohio
Telephone: 800.626.8303
Facsimile: 888.229.4580
Web: www.nordson.com/powder
Email: powder@nordson.com
www.nordson.com

Canada

Markham, Ontario
Telephone: 800.463.3200
905.475.6730
Facsimile: 905.475.8821
www.nordson.ca

Europe

Erkrath, Germany
Telephone: 49.211.9205.0
Facsimile: 49.211.254658
Email: powder.systems@de.nordson.com
www.nordson-finishing-eu.com

Japan

Tokyo, Japan
Telephone: 81.3.5762.2700
Facsimile: 81.3.5762.2701
www.nordson.co.jp

Asia/Australia/Latin America

Amherst, Ohio
Telephone: 440.985.4000
Facsimile: 440.985.1096
24-hour message service:
440.985.4797
Email: intcustomerservice@nordson.com

