

# Prodigy®

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

Integrated Prodigy HDLV® High-Capacity Pump Station allows for easy, efficient handling of drums for virgin powder feed to powder system. HDLV (High Density Powder, Low Velocity Air) provides greater powder output using less air to transfer powder.

## Prodigy HDLV Technology

Nordson's patented Prodigy 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.



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

## Prodigy® HDLV® High-Capacity Pump Station

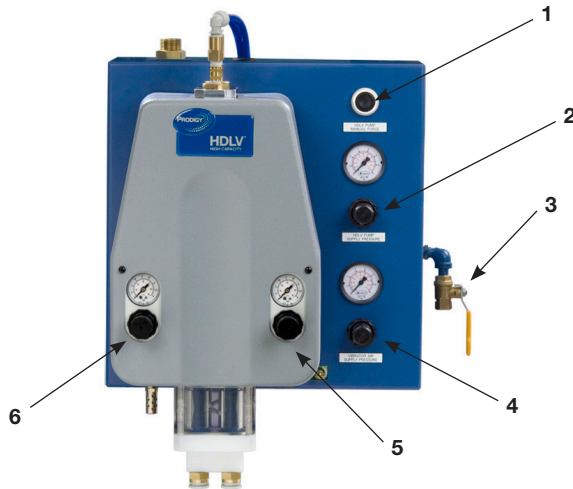
The Prodigy HDLV High-Capacity Pump Station with integral controls is also available as a separate powder transfer device. It features conveyance air control, auxiliary air control and a manual purge button. The Prodigy HDLV highcapacity pump station also can be integrated into your current system –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

- Fluidized hoppers
- Non-fluidized boxes
- After filters
- Scrap drums
- And other various powder containers



## Specifications

<b>Output (Maximum)</b>	4 kg (9 lbs) per minute
<b>Operating Air Pressure</b>	4.80 bar (70 psi) min
<b>Total Air Consumption</b>	198-225 l/min (7 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).

**For more information, speak with your Nordson representative or contact your Nordson regional office.**

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