

Prodigy[®] HDLV[®]

High-Capacity Pump

Prodigy HDLV (high density powder, low velocity air) High-Capacity pump provides easy, efficient handling of recycled or virgin powders. Prodigy HDLV ensures 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, providing significant improvements over traditional venturi-style pump technology.

- **Greater output for higher productivity rates – up to 4 kg per minute throughput – the equivalent of three conventional venturi-style transfer pumps.**
- **Reduced 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 – minimises the possibility of over-pressurisation and impact fusion as with a conventional venturi-style transfer pump.**
- **Ultra fast and automated colour change with the manual purge* function – easy and high quality change is achieved without pump disassembly.**
- **Purgeable in both directions – suction and delivery.**
- **See through design – for quick diagnostics.**
- **No Venturi throat to replace – HDLV technology provides a constant output over time and reduces maintenance requirements.**
- **Reduced air velocity for less wear on powder contact parts.**
- **High performance with abrasive materials.**
- **Smaller powder transport tubing 12mm ID– for easy installation and maintenance.**



Prodigy[®] HDLV[®] High-Capacity Powder Coating Applications

- **Recycling from a cyclone to a feed system.**
- **Bulk feeding virgin powder.**
- **Removing waste powder from an afterfilter.**
- **Ideal for food and pharmaceutical applications – all components in contact with product are FDA approved.****

*When used with Kit no. 1067320

** When used with Kit no. 1097919

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Key Features include:

- Automated colour change without disassembly.
- Uses small bore transport hose.
- Easy retrofit to existing systems.
- Suitable for bulk feed or recycling.
- Ideal solution to overpressurised or problematic powder transport.
- Simple pneumatic operation suitable for use within any ATEX zone.
- Small and compact surge hopper for fast and easy cleaning.

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

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Prodigy[®] HDLV[®] High-Capacity Pump Station

The Prodigy HDLV high-capacity pump station is suitable for integrating into your current system – pumping to and/or from various powder containers, including:

- Fluidised hoppers.
- Non-fluidised boxes.
- After filters.
- Scrap drums.
- Big Bag Unloaders.
- Vibratory Tables.

Specifications

Output (Max)	4kg (9lbs) per minute
Operating Air	4.80 bar (70psi) 198-255 l/min (7 cfm)
Pinch Valves	2.40 - 2.75 bar (35-40psi)
Conveying Air	0.70 - 1.00 bar (10-15psi) 28-56 l/min (1-2 cfm)



The Prodigy HDLV High-Capacity Pump can be part of a complete pump station (p/n 1067320*), which includes pneumatic controls and purge function.

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