

Delta Pump Expansion

Plugging? Ragging? Pumping sludge or slurries? No problem for Cornell's Double Vortex Delta series pumps. We now offer the Delta series pumps from 3 inch discharge size up to 10 inch. With this recent expansion we can achieve heads up to 350 feet and flows up to 6000 GPM.

When compared to enclosed, non-clog impellers the Delta impeller's open double vortex design offers superior performance in applications where pumpage contains stringy materials. Two distinct vortices are created within the pump to weave and pass solids. The trailing edges of the impeller are designed to eliminate low pressure areas. Solids are washed over the vane edges, down the slope of the impeller and into the pump discharge.

The Delta series of pump are offered in close



8NNDH with Delta™ Impeller

by Bob Jansen
Agricultural Marketing Manager

For manure applications, Cornell has the new model 4NHM in the field and operating very well. This pump model was developed with a semi-open, 3-vane impeller, with a cutting action, to handle heavier slurries or stringy material at high pressures (135 PSI). We can retrofit an existing,

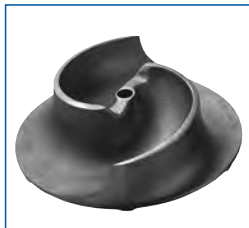
coupled, frame mounted, vertical coupled and submersible designs. In addition to our standard mounting options, other features such as Cycloseal®, Redi-Prime® and Run-Dry seal protection are also available.

Many of our new Delta™ style pumps can be retrofitted into the corresponding Enclosed impeller pump, simply by changing the impeller or the impeller and suction cover. See chart below.

Have an application? Contact your regional manager for application assistance.



Enclosed Impeller



Delta Impeller

ENCLOSED IMPELLER	DELTA IMPELLER
4NNTL	4NLDL*
4NNT	4NNDH
4x4x14T	4NHM**
6NNT	6NNDH*
6NHTA	6NHDH
6NHTH	6NHM
8NNT	8NNDH**
10NNT	10NNDH**
10NHTA	10NHM**

* impeller change
** impeller and suction cover change

enclosed impeller, model 4x4x14T to a 4NHM, with only an impeller and suction cover change.

Also, remember Cornell has a complete line of slurry transfer and submersible pumps, in multiple impeller configurations, for lower head application, in addition to the high pressure models used for field applications.



INTRODUCING ...

the 4NHM

A Semi-OPEN, 3 VANE IMPELLER PUMP

- + HIGH PRESSURE – for injection systems (up to 150 PSI)
- + HIGH EFFICIENCY – lower horsepower required
- + NO PLUGGING – for tough applications

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INNOVATIVE DESIGNS
FOR HANDLING
LIQUID WASTE SLURRY



Cornell Pump Company – Providing pumps with a long service life.