

# SOLIDQUID™ SOLID/LIQUID SYSTEM

IMPROVE OUTPUT BY PRE-BLENDING AND CONVEYING A SLURRY.



01 Conveys slurry in any direction without the need for additional conveyor equipment.

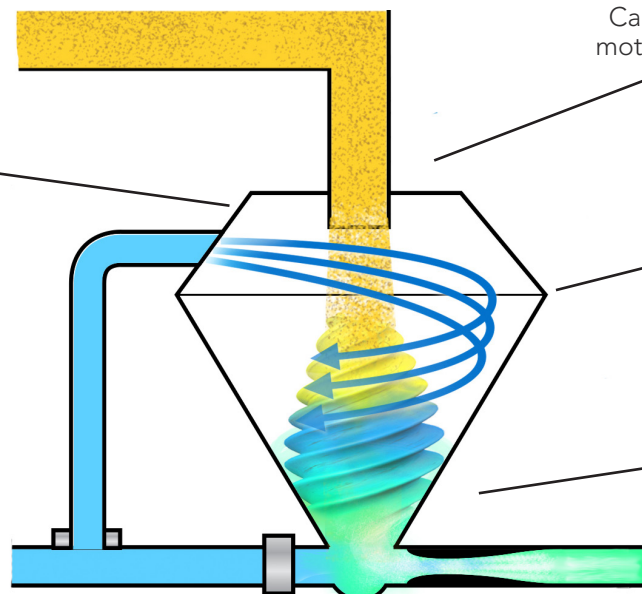
02 Precisely meter powders into the motive liquid stream to maintain proper solid/liquid ratios.

03 Automatically deliver dry bulk ingredients as a pre-blended slurry to your mix tank, blender or other process equipment.

04 Dramatically reduces resistance and mix times.

Reduce dusting with the vacuum generated by the venturi effect, which pulls airborne dust into the motive liquid stream.

Various instrumentation options can be implemented to monitor pressure, flow, etc., as needed to monitor and control slurry quality.



Can also be used to add a liquid to a motive liquid stream, or to add powder to a motive gas stream.

Vortex inside wetting hopper organizes dry materials to maximize throughput, while ensuring optimum suction capacity and discharge pressure.

Eductor creates a vacuum in wetting cone that pulls solids into the motive liquid stream. Readily soluble materials mix intimately.

**HAPMAN**

Ideas that move.

## Options

Educator materials: Cast iron, carbon steel, stainless steel, bronze, PVC, CPVC, PVDF, Polypropylene, and Special Alloys.

Flanged Threaded or Sanitary Connections

Motive Supply Pumps

Bulk Bag Unloader Options

- Choice of hoist and trolley or fork-truck-style frames
- Bag agitators
- Load cells
- Integral dust collection
- Fast-acting refill gates

PosiPortion™ Feeder Options

- Five chassis sizes, each capable of accepting a range of screws
- Various hopper sizes
- Gated nozzles, T-nozzles or straight nozzles of various lengths

Other Options/Considerations

- Self-contained dust control system eliminates need for expensive stand-alone dust collectors
- LumpMaster® lump breaker gets rid of agglomerations and lumps before solids enter the motive liquid.
- Full instrumentation available to monitor pressure and flow and automatically sense low bag volume levels.
- PLC controls optimize the efficiency and management of your equipment.



*Ask about our free material testing!*

Hapman offers a complete line of material handling equipment that easily integrates into existing systems, including:

- Flexible Screw Conveyors
- Tubular Drag Conveyors
- Vacuum Conveyors
- Feeders
- Bulk Bag Unloaders
- Bulk Bag Fillers
- Bag Dump Stations
- Lump Breakers
- And More



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