



A Sand Conveyor Like No Other...

Unlike conventional "dense-phase" pneumatic conveying systems, the KLEIN PLUG FLO® system requires no fluidization or boosters to move sand or other abrasive materials through a conveying pipe line.

Instead, the PLUG FLO® system uses the natural flow properties of the granular sand to acheive efficient, low-velocity transport, typically 100 - 400 ft/min (0.5-2 m/s). The PLUG FLO® conveyor's unique design features make it possible to transport sand and other free flowing materials through pipelines with essentially no material degradation and minimal pipeline wear.

This careful and gentile transport of sand results in a number of quality and cost saving advantages:



- Preserve the sand quality and size, eliminating dust generation.
- Make better quality cores, molds and castings when you start with better sand.

Use less resin in your cores when you prevent dust generation in your sand.

Standard	Model	Sizes:	

Model Series	Pipe Size	Capacity
PF-100/3	3 inch sch 40	5 - 9 TPH
PF-100/4	4 inch sch 40	6 - 10 TPH
PF-100/5	5 inch sch 40	9 - 11 TPH
PF-100 Dual	5 inch sch 40	11-20 TPH

* Capacity varies based on conveying distance And pipeline design. associated problems with conventional dense-flow systems." -D.J., Pell City, AL

"Your PLUG FLO® system has clearly

demonstrated, in theory and by test results, that it is superior and has overcome the



"We couldn't be happier with the performance of the KLEIN PLUG FLO® sand transporters we installed in the fall, 2014."

-K. Eck, CFM Corporation, Blackwell, OK

The operating mode of KLEIN PLUG FLO[®] conveyors: continuous, simple, smooth





PF-100 Dual Capacity up to 20 Tons/hr



PF-100/3 Single Capacity up to 9 Tons/hr

Greater capacity using less energy compared to conventional conveyors



The above mentioned figures are related to the acheivable conveying rate of a conventional conveyor over a certain conveying distance and the electric energy consumed by the compressor to acheive this conveying rate. The comparison illustrates the saving potential of the Plug Flo®.

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