Pneumatic conveying test lab capabilities

Use the latest technology and innovative tools to simulate real-life situations, test materials, correlate the results and increase understanding of processes and machinery.
Innovative process solutions

FLSmidth’s state-of-the-art, world-class test facility is dedicated to providing industry-leading support for pneumatic conveying and blending applications.

This 9,500 square-foot complex is home to a wide variety of equipment used for the research of process designs, testing to support customer projects, and development of new technologies.

The comprehensive in-house capabilities, unmatched variety of equipment, and the breadth of experience differentiate FLSmidth in the industry and directly contribute to the success of our customers’ installations worldwide.

Decades of extensive cataloging of physical and chemical evaluations and critical design data supplies an unparalleled knowledge base for future system designs.

Available convey tests | Available line chargers | Line selection | Line length
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Dilute phase | Pressure tank Metric 150 airlock HP 60 airlock | 2” 304SS 3” Carbon 4” Aluminum | 175’ 350’
 | HP 120 airlock | 4” Aluminum 6” Aluminum | 625’ 290’, 670’
Medium phase | 150 M Fuller-Kinyon™ pump | 3” Carbon 4” Aluminum | 350’ 350’
Dense phase | MODU-DENSE™ dense phase system (top or bottom discharge) | 2” 304SS 3” Carbon 4” Aluminum | 175’ 350’
 | HP 120 airlock | 4” Aluminum 6” Aluminum | 625’ 290’, 670’
 | Modu-Flo MT™ dense phase system | 4” x 6” Carbon steel | 600’
Dense phase with boosters | Fullveyor dense phase system | 2” 304SS 3” Carbon | 175’ 350’
Airslide™ gravity conveying | Variable airflow and slope; confirmation of convey rates

Available blend tests | Blender size | Available configurations
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Airmere™ blender | 30” dia. 42” dia. | Quad Quad, Octant
Column blender | 24” dia. | n/a