FILTER RECEIVER

Automated Ingredient Systems Filter Receivers are designed to as a self-contained unit allowing their use in both pressure and vacuum conveying applications. Each unit is equipped with its own pulse-jet filter cleaning system using compressed air to efficiently clean each pleated filter element. The use of pleated filter elements allows for a compact design that can be used in applications where space is limited and traditional style receivers will not fit the space requirements. AIS Filter Receivers are equipped with side access doors for inspection and maintenance. Units can be equipped with either top loading, or bottom loading, filter elements. Equipment options include a wide range of discharge valves, level indicators, feeding devices, flow aides and scale assemblies. AIS Filter Receivers can be used for both gain-in-weight scaling, and loss-in-weight scaling applications. Both tension and compression style load cells are available and can be used with any unit to provide the batching of virtually any dry powder, or granular product.

FEATURES

Materials of Construction – Units are constructed of stainless steel, carbon steel, or aluminum. Stainless steel units are available with a range of internal finishes, and have a standard mill finish on the exterior. Carbon steel units are finished with a stainless steel urethane exterior coating, and are available with a choice of interior finishes including FDA epoxy, FDA phenolic resin, ceramic tile, or standard mill finish.

Electronic Controls – Each unit is equipped with a NEMA 4 timer board enclosure with adjustable cycle and duration settings for the cleaning of the filter elements. Stainless steel units are equipped with a stainless steel NEMA 4X timer board enclosure. Custom control options are available including a range of options from simple control relay systems, PLC operated systems, as well as flex I/O systems for tie in to an existing master control system.

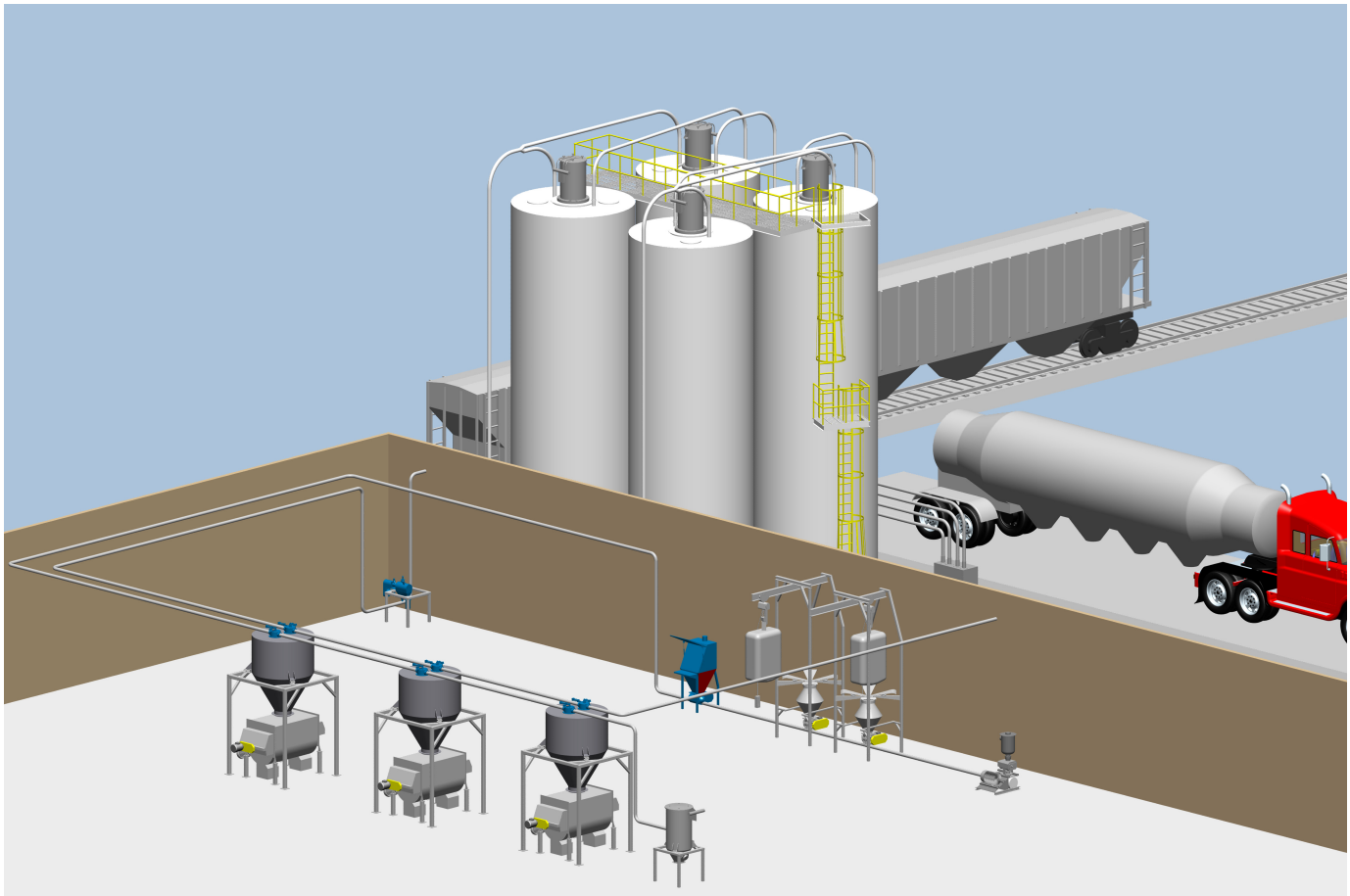
Filter Cleaning Assembly – The pulse-jet filter cleaning assembly removes particulate from each filter element using adjustable blasts of compressed air to clean each filter. The cycle and duration of the cleaning can be adjusted for each particular application.

Gauges – Units are equipped with a magnehelic gauge located in the door of the timer board enclosure.

Options – Equipment options include level sensors, discharge valves, control packages, flow aides, feeding devices, scale packages and custom configurations.

Automated Ingredient Systems, L.L.C.

P.O. Box 979 • Belton • Missouri • 64012 •Ph: 816-331-1600 • Fx: 816-331-1181 • info@ais-kc.com • www.ais-kc.com



OPTIONS

Various Filter Media
PLC Control System
Impacting Vibrator Assembly
Cone Aeration Assembly
Level Indicators
Butterfly Discharge Valve
Rotary Airlock
Vibratory Feeder
In-line Magnets

ACCESSORIES

Vacuum Wands
Vacuum Pick-up Pans
Diverter Valves
Inline Sifters
Bag Dump Stations
Bulk Bag Unloaders
Flexible Convey Tubing
Tube and pipe
In-line Safety Filters
PD Blower Packages

P.O. Box 979 • Belton • Missouri • 64012 •Ph: 816-331-1600 • Fx: 816-331-1181 • info@ais-kc.com • www.ais-kc.com