LFRP SERIES
Large Filter Receiver - Pulse Style

NOTE - Product configurations vary per application.
Image shown for reference only.
Refer to quotation for specific configuration quoted.

Technical Specifications

LFRP Series: Large Filter Receiver - Pulse Style

Filter/Receivers are designed to separate pellets, flake or powder from the air stream in medium to high pressure pneumatic conveying applications. Filter/Receivers can also be configured as a central filter dust collector (main collection point) to provide primary pump protection. All Filter/Receivers use high pressure compressed air and an adjustable pulse timer control system that allows you to choose between "clean on demand" or continuous pulse cleaning of the filter media.

LFRP Filter Receivers are designed for use in the following applications:

- Pneumatic conveying of dusty pellets, regrind or flake
- Pneumatic conveying of free- flowing, non-tacky powders or powder compounds.
- Filtration of returning process air to provide primary pump protection.
- Venting of bins and silos.

Features

Standard Features

- Heavy gauge carbon Steel construction
- Filter Bag design (see optional filter choices)
- Bag cups with venturis
- Stainless Steel bag clamps
- Side Access Door for filter access
- ACS Standard painted exterior
- 60° cone receiver
- Straight inlet with internal baffle/deflector plate
- Saddle support lugs for suspension mounting above machine throat
- Pulse Style – compressed air filter cleaning
- 115/1/60 pulse timer control (in NEMA 4 rated enclosure) set up for continuous pulse or pulse on demand with adjustable on/off timers
- 115/1/60 solenoids with high flow diaphragm valves provide pulse filter cleaning
- Compressed air header with accumulator head
- Rated for 8.5 PSIG Positive pressure /17-inch Hg Gauge vacuum

LARGE FILTER RECEIVER

Available Options

- Epoxy Coated interior
- Stainless Steel Construction on product contact surfaces
- Stainless Steel Construction on gas only side contact side
- Tangential inlet in lieu of standard for gentler handling of friable materials or powders
- Receiver capacity –
  - Minimal capacity – for central dust collection
  - 3.0 cubic foot – for material conveying applications
  - 6.0 cubic foot – for material conveying applications
  - Special – TBD per request
- 70° cone for harder to flow materials
- Material level sensor in receiver cone for volume fill indication
- Receiver discharge:
  - Plain end
  - Threaded end with quick connect coupler and dust cap
  - Flange discharge
  - Special – TBD per request
- Air Slide gate on receiver discharge
- Air Actuated Butterfly valve on receiver discharge
- Support structure (Up to 54 inches clear) for stand mount of filter/receiver
- Support structure (special) to straddle machine (subject to review)
- High temperature operation (375°F) modifications to construction
- 24vdc timer solenoids in lieu of 115/1/60
- NEMA 7/9 enclosure rating for timer assembly
- Differential Pressure switch to indicate filter condition
- Top load bags and cages (in lieu of side access)
- Filter types:
  - Bag style
  - Cartridge style
- Filter media types – bag or Cartridge style
  - 8 oz. Polyester Felt
  - 14 oz. Polyester Felt
  - Singed Polyester Felt
  - Acrylic coated Felt – standard temperature
  - PTFE (Teflon) coated Felt - high temperature (375ºF)
  - Nomex – High Temperature rated
  - Cartridge Style filters – standard spacing
  - Cartridge Style filters – open pleat design
  - Spun Bound Polyester cartridge type
  - Teflon Coated cartridge type
  - Nomex – high temperature cartridge type
  - Filter media special – TBD per request

NOTE – for lower throughput applications, reference SSR/AV series Hopper Filter Receiver product offering.