Aerodyne®

Aerodyne SV SplitStream

The compact, high efficiency cyclone

Aerodyne SplitStream Pre-filter

The Aerodyne SplitStream cyclone combines high particulate removal with secondary airflow that can be used to heat/cool processes, protect friable particulate, decrease oxygen content, and/or minimize wall erosion. In this application, the secondary airflow is used to remove particulate that could plug wet scrubbers and cool the air preventing damage to the plastic packing and FRP vessel.

Materials of Construction: 304 SS

Airflow: 7,500 ACFM Primary, 5,000 ACFM Secondary

Removal Efficiency
- Cyclone: 99% of 7 micron
- Wet Scrubber – Packed Bed – by others – 99% removal of acid gas

Components:
- Cyclone – SV7500 with 7,500 ACFM from reactors and 5,000 ACFM to cool airflow before fiberglass scrubber
- Airlock – 304 SS rotary valve
- Scrubber – Fiberglass body with plastic packing for fume removal
- Fan – 20 HP, 304 SS secondary fan and 75 HP 304 SS secondary fan

Applications:
- Food processing equipment
- Cooling reactor gas while collecting particulate that would plug the scrubber packing in addition to protecting the scrubber and packing from heat damage during upset conditions.
- Chemical production processes
- Mining processing plants

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Clean Our World!

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