

# Fan Filter Units

The Reverse Pulse (RP) collectors are fabric filter, pulse units, and are designed to be delivered in one section consisting of the baghouse and the clean air plenum. Access is usually facilitated by a lid on the top of the filter section for installation of the filter bags and cages.

The pulse system and clean air outlet are usually mounted on the side of the Filter. The product stream enters through the inlet in the bottom and rises upwards around the bags where the solid particles are deposited on the outside of the bags. The air stream then passes through the fabric into the clean air side of the filter and is exhausted from the collector outlet through the fan to atmosphere.

Any dust collecting on the outer surfaces of the filter bags is periodically removed by reversing the airflow through the bags using a compressed air 'pulse' system causing the collected dust to fall down into the silo. Filter fabrics of various types can be installed to suit the relative application.

Without compromising efficiency of dust cleaning system we will always design a Fan Filter Unit to suit the clients requirements.

### Types Manufactured

Rula manufactures several different types of Fan Filter Units:

- Compact units where the fan is mounted directly on the filter unit
- Fan Filter units where the fan is mounted separately and connected to the fan by way of ducting

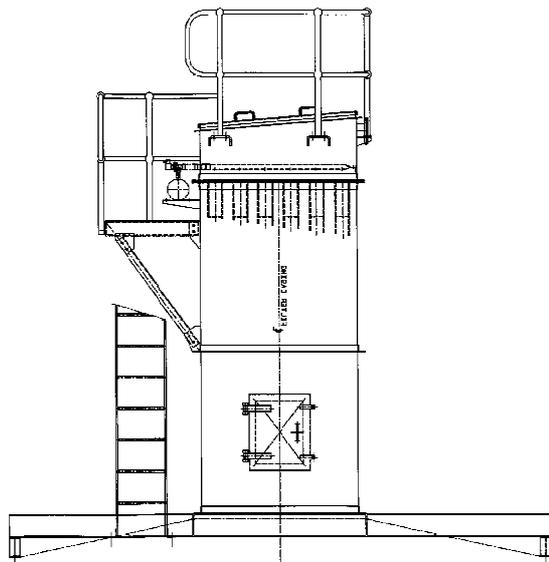
### Important Features

- Photohelic : Delta P Bag Cleaning Control Unit
- Limit the flow volume through bags with bypass valves over the fan.

Compact Fan Filter Unit on a Bag Filling Bin



Fan Filter Unit on top of a Road Loading Bin



Top of Silo Fan Filter Unit



Photohelic : Delta P Bag Cleaning Control Unit

