



PULSEJET DUST COLLECTOR

FOR AIR POLLUTION CONTROL



**FOR A CLEANER TOMORROW.....
ACT TODAY.**

INTRODUCTION

RIECO offer its product and services with a commitment to continue to solve Industrial Air Pollution problems. RIECO product and systems are designed to achieve the highest performance with on-line reliability, minimum downtime, minimum expenditure and lowest maintenance requirement. Each installation is backed by our team with decades of successful experience on a wide variety of difficult applications, worldwide.

RIECO - Reliable Partner for your project execution

Why RIECO Bag Filter?

RIECO developed the first patented compressed air reverse jet cleaning filter combined with the use of high density felt materials for gas filtration.

RIECO has over 28 years of experience and continuous development in the application of the process technology of filters for dust control and product recovery. This, and the experience from over 2000 installations are your advantages when you specify RIECO PULSEJET BAG FILTER.

RIECO Pulsejet Bag Filter

Large selection of filters of different models and sizes. Filter media selected to suit process with operating temperature upto 300°C, full vacuum or pressure upto 65 bar. High filtration rate upto 5 Mtr./Min through the use of high quality filter media.

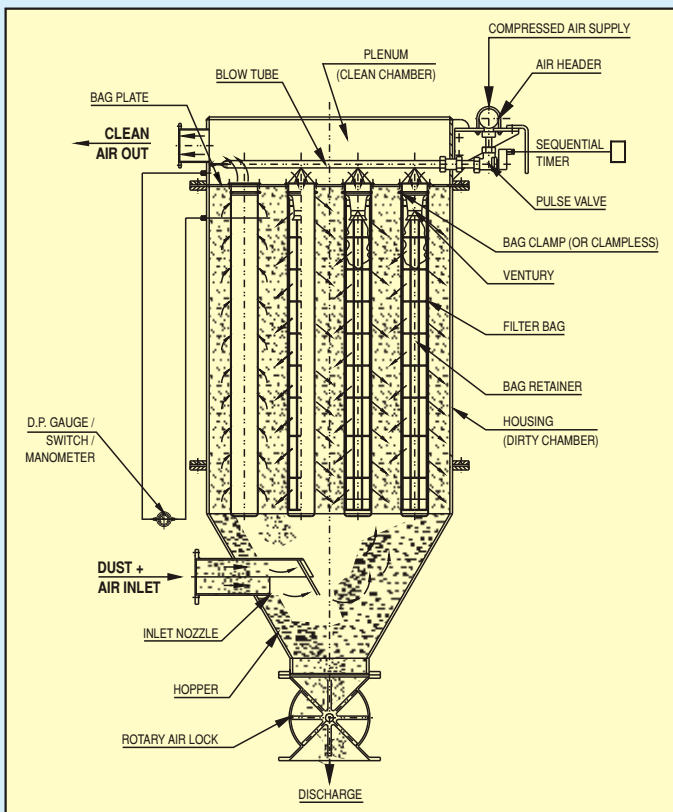
Fully automatic filter bag cleaning

The original patented reverse jet cleaning system removes the dut cake by means of reverse flow pulses of compressed air.

Constant Pressure drop

Between 8 to 15 mbar with continuous efficient cleaning means that there is no interference with up-stream processes.

BAG FILTER CONSTRUCTION



PULSJET

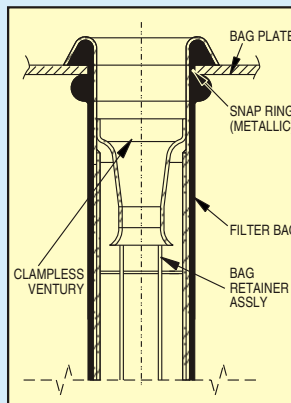
COMPONENT OF BAG FILTER



INTIGRAL COLLAR VENTRI



DIAPHRAGM + SOLENOID VALVE ASSEMBLY



CLAMPLESS BAG ASSEMBLY FOR LTR UNIT



SOLID STATE SEQUENTIAL COLLECTOR

YOUR ADVANTAGES

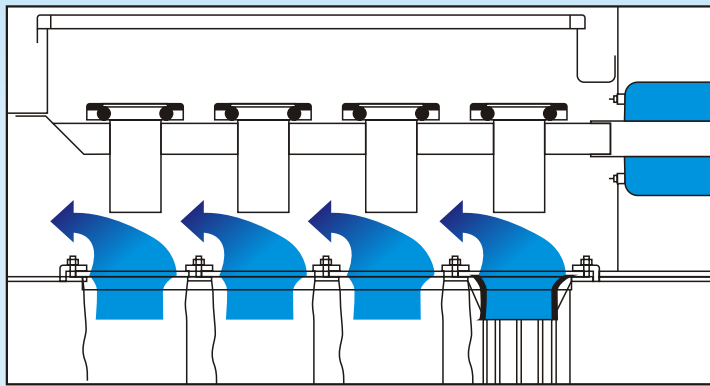
Perfect gas cleaning

Also with high dust loading

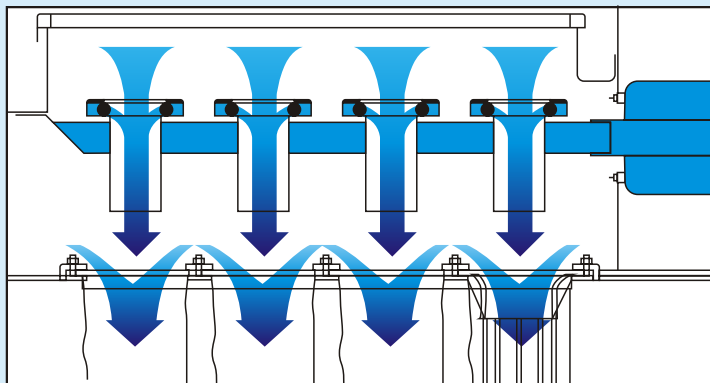
Continuous operation

The total filter area is always on stream because only a fraction is cleaned each time by the compressed air pulses of approx. 80 ms duration. The reverse jet cleaning is electronically controlled.

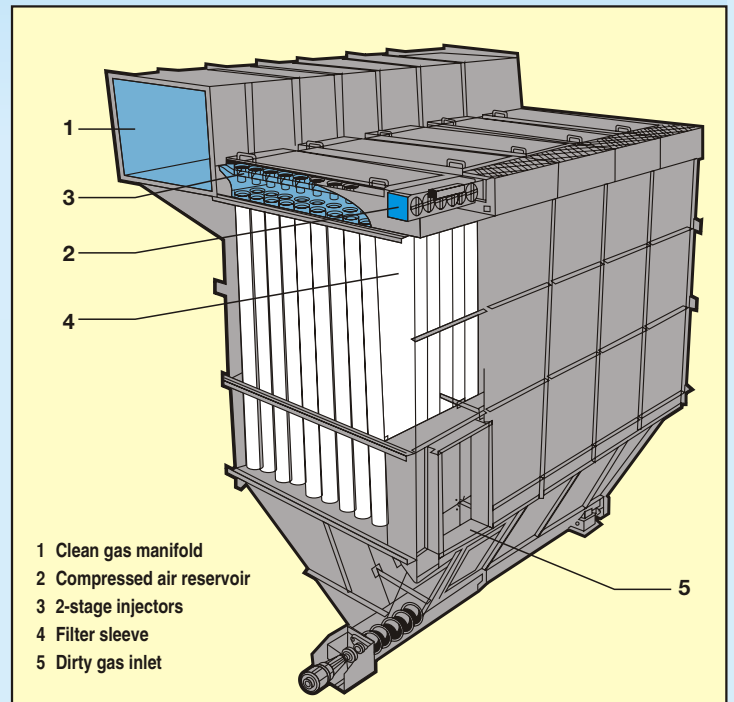
- ✓ **Optimal design of the bag filter to meet the specified requirements. (Square, Modular & Round shapes). Full as well as Bin Mounted versions.**
- ✓ **Smaller filters, less space requirement, wide range of models available.**
- ✓ **Fast and complete cleaning of the filter bags.**
- ✓ **Economical operation**
- ✓ **Better efficiency than generally required by local conditions or regulations.**
- ✓ **Net filter area = Gross filter area, this means less space requirement. Space is also an investment cost.**



FILTRATION PHASE



CLEANING PHASE

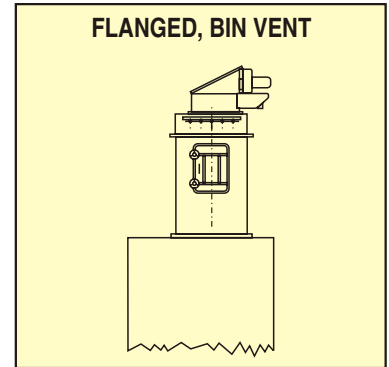
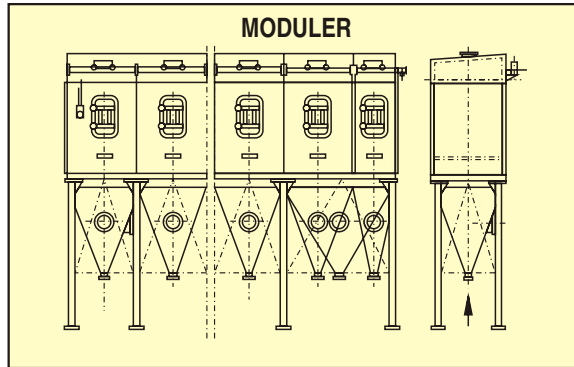
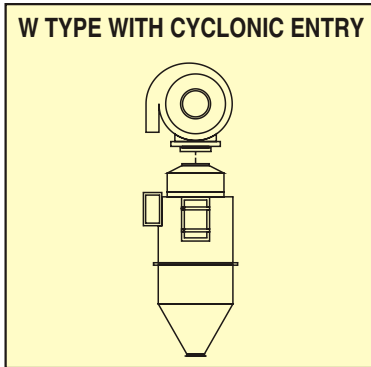
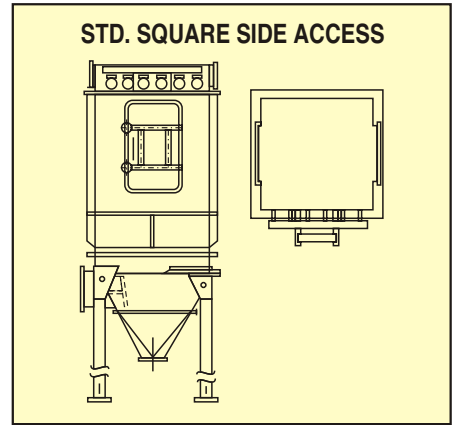
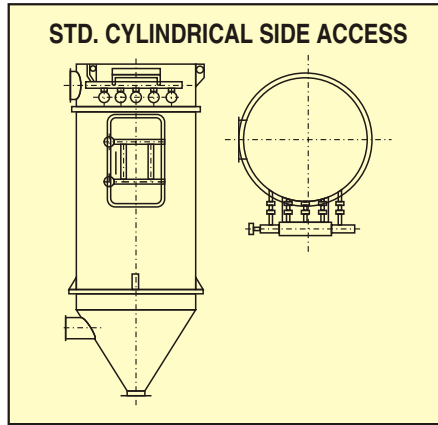
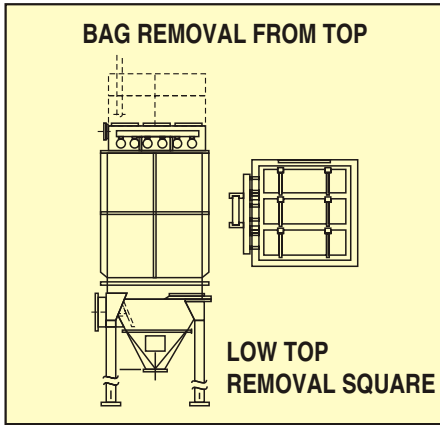


During the filtration of the waste gases, the dust is deposited into the external surfaces of the filter sleeves, on which are made from high-performance needle-felt.

A high-efficiency two-stage "PULSING MECHANISM" injection cleans the filter sleeves continuously and automatically at intervals of between 1-10 minutes with pulses of compressed air at pressures of 5-6 bar, with a pulse duration of 0.1-0.2 secs.

The compressed air enters the "PULSING MECHANISM" injection radially and leaves it in axial direction.

Large quantities of air are therefore drawn in through the 1st and 2nd stages of the injector which reverses the flow of air through the filter media and cleans the dust off the filter sleeves. In the filtration phase, the cleaned gas passes directly through the nozzles into the clean gas channel.



OTHER RIECO PRODUCTS

AIR POLLUTION CONTROL SYSTEMS

- Electrostatic Precipitators
- Bag filters
- Tubular Cooler
- Scrubbers
- Cyclones
- Multicell Dust Collectors
- Gas cleaning Plants for Mini Blast Furnaces & Spong Iron Plants
- Dust Extraction Systems
- Ventilation Systems

SIZE REDUCTION EQUIPMENTS

- Air Classifying Mills
- Universal Mills
- Micro Pulverisers
- Crushers
- Cutters

PNEUMATIC CONVEYING SYSTEM

- Dilute Phase
- Dense Phase
- Vacuum Cleaning Systems

ACCESSORIES

- Centrifugal Fans
- Rotary Airlock Valves
- Ribbon Blenders
- Metal Detectors
- Pallet Cleaners
- Gravity Blenders
- Air Slides
- Director Valves
- Mixed Flow Blenders



RIECO INDUSTRIES LTD.

1162/2, Shivajinagar, Behind Observatory, Pune - 411 005 (INDIA)
 Phones : 91-20-25535384, 25535215 Fax : 91-20-25533229
 E-mail : rieco@rieco.com / s_pune@rieco.com Website : www.rieco.com



Regional Offices at :

Mumbai : 14, Nariman Bhavan, 227 Nariman Point, Mumbai - 400 021. (INDIA)
 Phones : 022- 2202 6322, 2285 0939 / 40 Fax : 022-2202 5794
 Email : sales_mumbai@rieco.com

New Delhi : E-1, Jhandewala Extension, Rani Jhansi Road, (Near Delhi Press), New Delhi - 110 055. (INDIA)
 Phones : 011-2362 8116, 2355 4029, Fax : 011-2362 8243
 Email : sales_delhi@rieco.com

Kolkata : 7A, Lala Lajpatrai Sarani, Kolkata - 700 020. (INDIA)
 Phones : 033-30532006/7, 2283 2007/8 Fax : 033-2283 2004
 Email : rieco_kolkata@reliancemail.net

Chennai : No. 31 & 32, 3rd Street, Kamaraja Colony, Kodambakkam, Chennai - 600 024. (INDIA)
 Phones : 044-2375 0802, 2372 1274 / 1275, Fax : 044-2372 1274 / 1275
 Email : sales_chennai@rieco.com