

Advanced Bag Filter

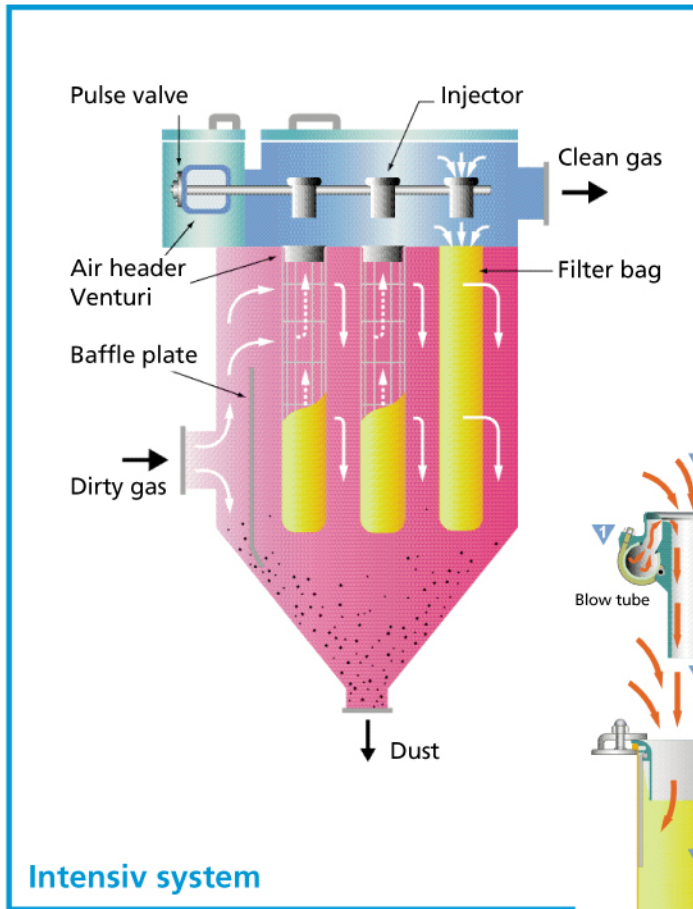
2-Stage Injection



INTENSIV-FILTER KOREA

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80 Years Tradition



► **Downward flow**

The baffle plates, installed inside of the inlet, acts as a pre-filter and prevents re-entrainment by guiding the flow downward uniformly. Downward gas stream outside of the filter bags drastically enhances dedusting efficiency by preventing re-entrainment of the falling dust.

► **Extended filter life**

The average life of filter bag is considerably increased due to the high dedusting efficiency.

► **Minimizing size**

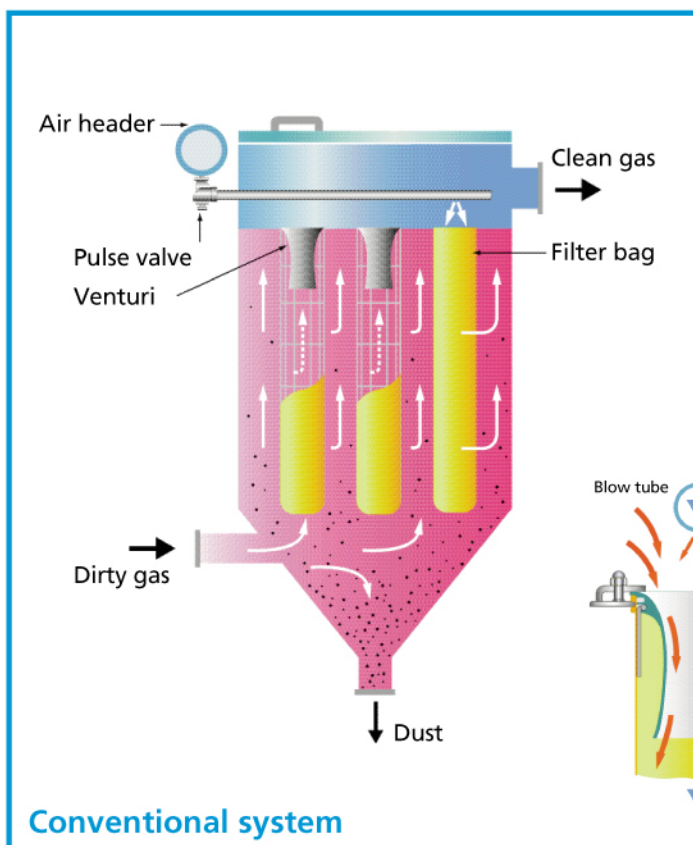
By increasing filtration speed and using longer filter bags of more than 6 meters, the foot print and quantity of filter bag are minimized.

► **Low budget and cost**

In this system, low differential pressure across the bags and minimum compressed air consumption can be guaranteed. Thus, small capacity of fan and compressor can be used, and investment and operating costs can be reduced.

► **Improved productivity**

By retrofitting of existing conventional bag filter to the 2-stage injection system, the productivity can be enhanced due to the increase in gas volume.





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Our exclusive 2-stage injection is an advanced system for maximizing dedusting efficiency with minimum pressure drop.

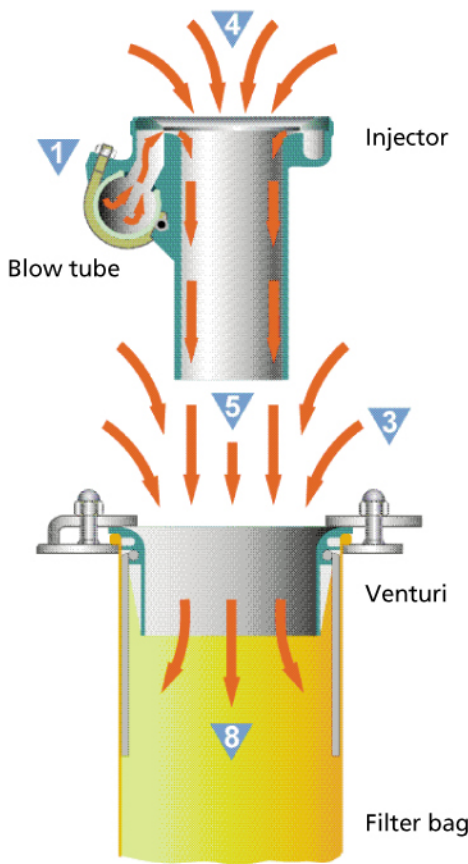
Compressed air **1** is fed into a circular chamber via the blow tube and escapes through an annular gap, causing a downward axial flow with induced secondary air **4** over the injector.

The combined air **5** is fed into the venturi inducing further volume of secondary air **3** additionally. The compressed air from the blow tube **1** induces secondary air twice **4+3**, then the total air **8** is fed into the filter bags finally.

This system blows more than twice the amount of air into the filter bags than conventional venturi systems do, thus offering many advantages.

80 Years Tradition

Exclusive technology from Intensiv-Filter with 80-year experience



2-stage injection

