Containerised Reverse Pulse Bag Filters

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ACTOM

Containerised Reverse Pulse Bag Filters

Description:

In 2018 John Thompson Air Pollution Control (APC) developed and introduced an innovative containerised reverse pulse bag filter.

This is not a filter in a container – the container is the filter, which makes it less expensive and easier to transport, as well as quicker to install.

The containerised bag filter, designated HPC, is a modular system which may utilise single or multiple modules of 12m containers. Each module contains 144 tubular bags and has an air-moving capacity of 4 m^3/sec.

The HPC's transportability makes it particularly well-suited for export, as this usually involves shipping of freight over long distances.

APC developed the product in response to a requirement for an easily transportable and installable bag filter by John Thompson's Package Boilers business unit after it had received an order for a biomass-fired boiler for a food and personal care product factory in Ghana. The order included a bag filter required for dust collection in the plant, for which APC supplied a double-container filter unit.

This was followed by an order placed with APC for a single module containerised filter for a dedusting application in a rum distillery currently under construction in Grenada in the Caribbean, for which John Thompson has been contracted to supply a Torripac boiler.