JF
JET FILTER "JF"

The JF bag or cartridge filter is Plantech-CST's filtration system. The JF filters are mainly used in silos, bins and vacuum or pressure conveying systems to separate the dust from the air.

PRINCIPLE OF OPERATION

The JF filters ensure proper air filtration is carried out, the dusty material is held back by the filter and it remains in the container installed below while the air is expelled. The integrated JF bag filters are cleaned through the pulsation of compressed air.

MAIN FEATURES

DIFFERENT FILTERS
According to the kind of product and filtering surface necessary the JF filter is designed in different dimensions and fabrics.

SELF CLEANING SYSTEM
The JF filter is equipped with a compressed air tank and cleaning valves, the cleaning cycles as well as the intensity of the cleaning air flow can be controlled by the PLC or by an electronic card.

WIDE RANGE
The wide range of JF filters cover filtering surface from 5 to 135 m².

EASY MAINTANANCE OPERATION
During maintenance operations the JF filters can be easily dismantled via a easy access door on the front of the housing.
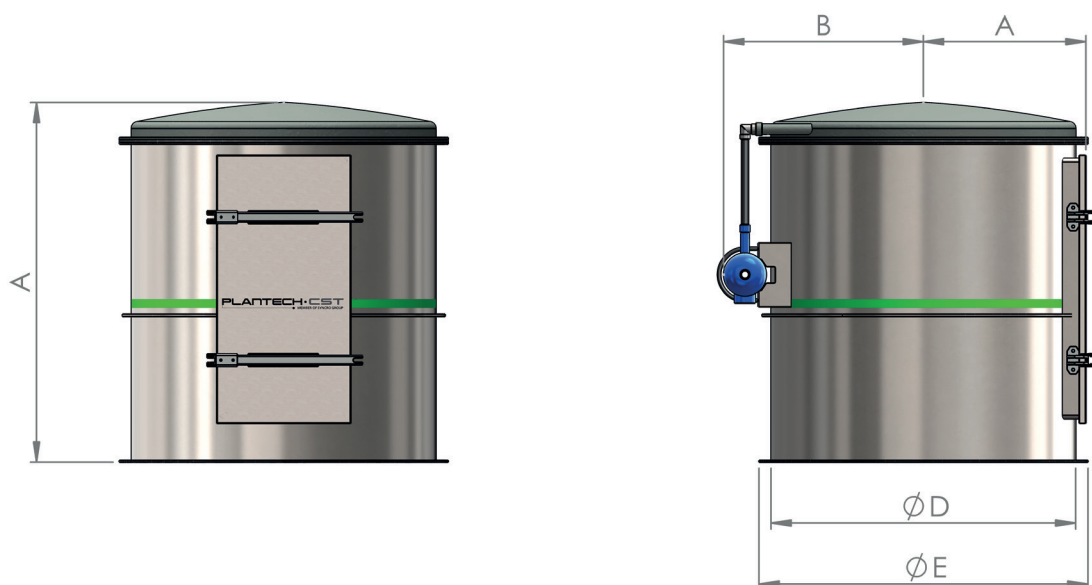
INSTALLATIONS
The JF filter is always supplied prewired with junction boxes to permit an easy and fast installation.

OPTIONS AVAILABLE
As an option the JF filter can be designed for high temperatures, ATEX compliant and/or FDA compliant.

TECHNICAL DATA

Code	Surface	N. of washing valves	Air consumption	Emissions	A	B	ØC
	[m²]		[Nm³/h]	[mg/Nm³]	[mm]	[mm]	[mm]
JF08-06-M	5,6	4	12	< 10 (*)	1130	1120	800
JF08-07-M	7	4	12	< 10 (*)	1330	1120	800
JF08-09-M	8,4	4	12	< 10 (*)	1630	1120	800
JF08-10-M	9,8	4	12	< 10 (*)	1880	1120	800
JF08-11-M	11,2	4	12	< 10 (*)	2130	1120	800
JF10-10-M	9,6	5	15	< 10 (*)	1130	1320	1000
JF10-12-M	12	5	15	< 10 (*)	1330	1320	1000
JF10-15-M	14,4	5	15	< 10 (*)	1630	1320	1000
JF10-17-M	16,8	5	15	< 10 (*)	1880	1320	1000
JF10-20-M	19,2	5	15	< 10 (*)	2130	1320	1000
JF10-24-M	24	5	15	< 10 (*)	2660	1320	1000
JF12-14-M	13,6	6	18	< 10 (*)	1130	1520	1200
JF12-17-M	17	6	18	< 10 (*)	1330	1520	1200
JF12-21-M	20,4	6	18	< 10 (*)	1630	1520	1200
JF12-24-M	23,8	6	18	< 10 (*)	1880	1520	1200
JF12-28-M	27,2	6	18	< 10 (*)	2130	1520	1200
JF12-34-M	34	6	18	< 10 (*)	2660	1520	730

Code	Surface	N. of washing valves	Air consumption	Emissions	A	B	ØC
	[m²]		[Nm³/h]	[mg/Nm³]	[mm]	[mm]	[mm]
JF08-12-C	12	3	10	< 10 (*)	730	1120	800
JF08-14-C	14	4	12	< 10 (*)	730	1120	800
JF08-20-C	19,2	3	10	< 10 (*)	1130	1120	800
JF08-23-C	22,4	4	12	< 10 (*)	1130	1120	800
JF08-28-C	28	4	12	< 10 (*)	1130	1120	800
JF10-24-C	24	5	15	< 10 (*)	730	1320	1000
JF10-39-C	38,4	5	15	< 10 (*)	1130	1320	1000
JF10-48-C	48	5	15	< 10 (*)	1130	1320	1000
JF12-34-C	34	6	18	< 10 (*)	730	1520	1200
JF12-55-C	54,5	6	18	< 10 (*)	1330	1520	1200
JF12-68-C	68	6	18	< 10 (*)	1630	1520	1200

(*) The value is estimated as it depends on the particle size of the product as well as on the working conditions of the filter (pressure, degree of cleanliness of the sleeves….)