

Abrasive Blast Systems

Downflow Dust Collectors



Models ADFT 2-4 through 4-128



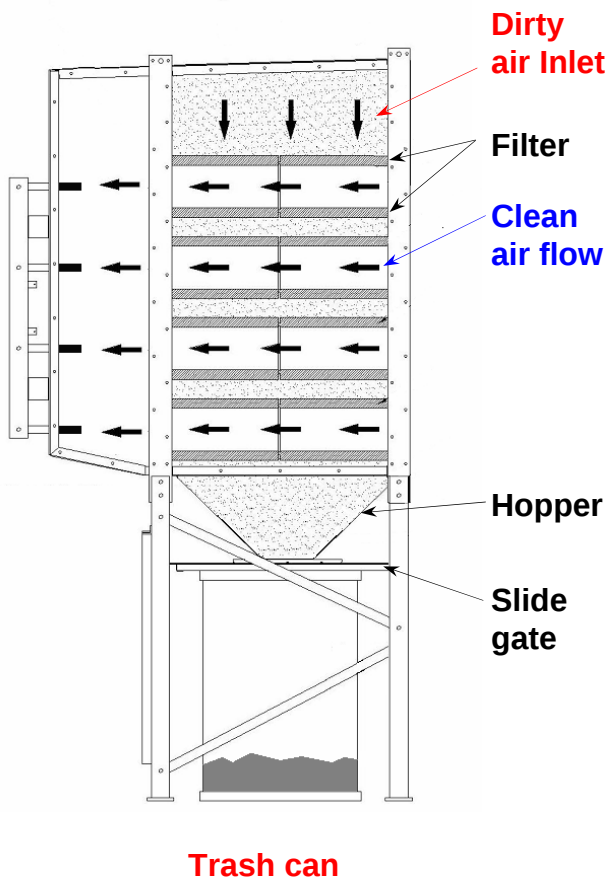
ABRASIVE BLAST SYSTEMS, LLC

(972) 205-9309

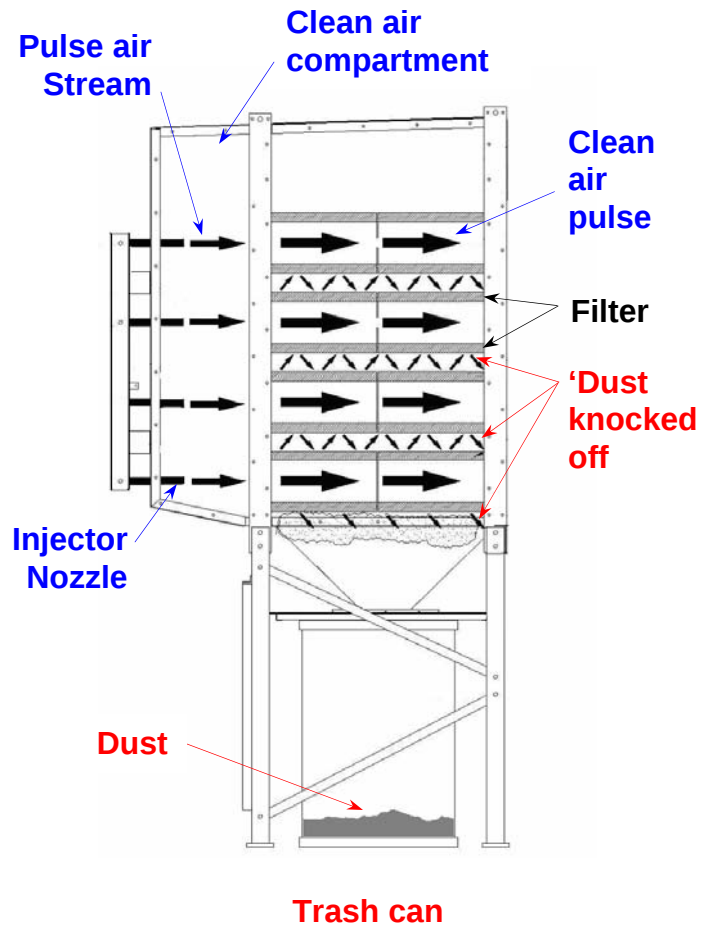
866-666-9309

www.ABSBLAST.com

Ventilation Air Flow



Filter Cleaning Air Flow



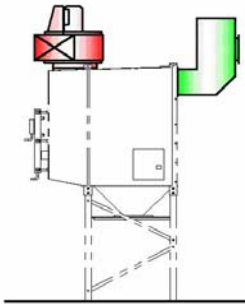
PULSE CLEANING SYSTEM

The dust collector is equipped with a pulse air system to clean the filters. The filters will, over time, collect a layer of dust that will reduce the airflow and ultimately affecting the cleaning efficiency. The pulse system is mounted at the back of the Dust collector. Each pair of filters has its own clean air pulse system. The system operates by sending a strong burst of pressurized air down the center of the filters. This shock burst of energy knocks the dust cake off the filter allowing it to breathe again. The pulsar system is fully automated and would execute pulses when needed. The dust collector is fitted with a Photohelic Pulse Management System. This system monitors the pressure differential between the dirty and clean air sides of the collector and activates the pulsing system when the pressure differential reaches the set operational limits. The pulsar system will extend the life of your cartridges and optimize cleaning efficiency. A filter will ultimately reach the end of its life span when pulsing can no longer achieve the required pressure differential measurements. The filtration efficiency of the Dust Collection system is 99.999% down to a particle size of 0.5 micron.

FAN & INLET PLENUM CONFIGURATIONS

There are various ways in which dust collector fans and inlet plenums can be configured. All configurations are based on the fan size required and the practical size and placement constraints. The diagram below shows the four most commonly used configurations. Note how the “filter quantities” determine the fan and inlet plenum orientation. ABS Blast will assist you if you require a specialized configuration not shown below.

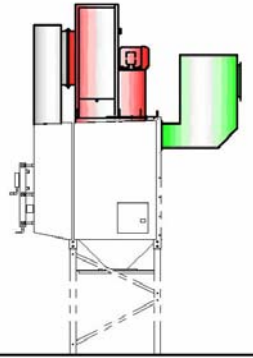
Horizontal Mounted Fan



L-Plenum

Models ADFT 2-4 Thru
ADFT 4-16

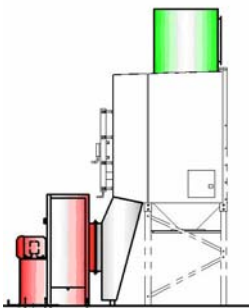
Vertical Mounted Fan



L-Plenum

Models ADFT 4-24 Thru
ADFT 3-36

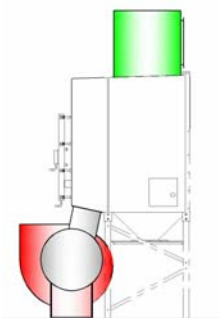
Ground Mounted fan



Top Mounted
Inlet Plenum

Models ADFT 3-36 Thru
ADFT 4-48

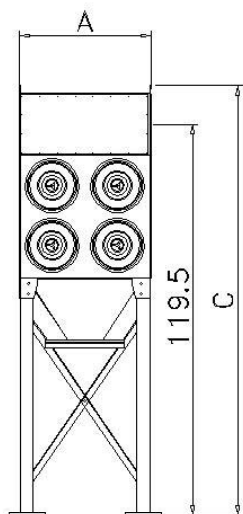
Large Ground Mounted fan



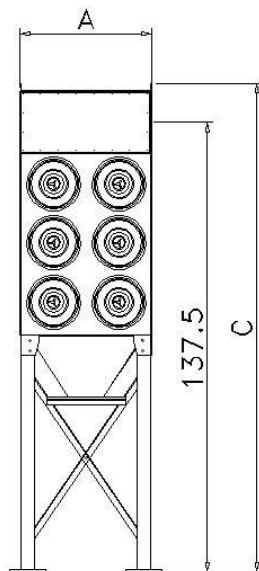
Top Mounted
Inlet Plenum

Models ADFT 4-64 Thru
ADFT 4-128

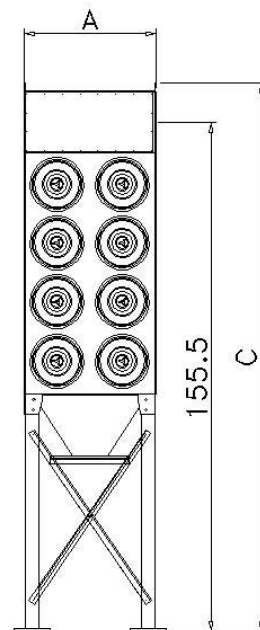
Model Dimensions



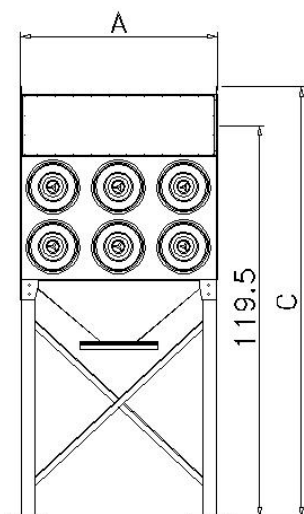
ADFT 2-8



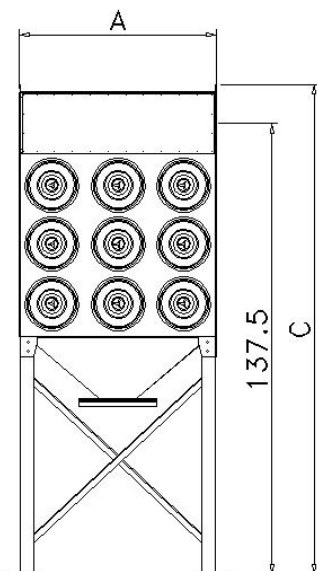
ADFT 3-12



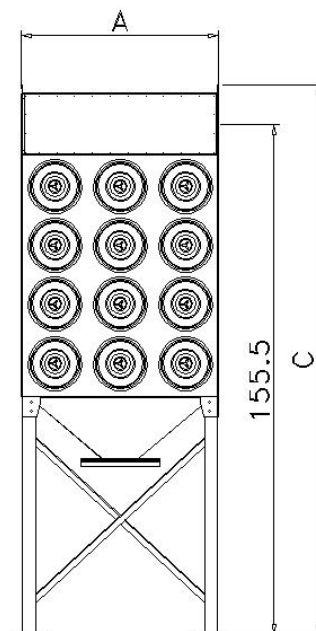
ADFT 4-16



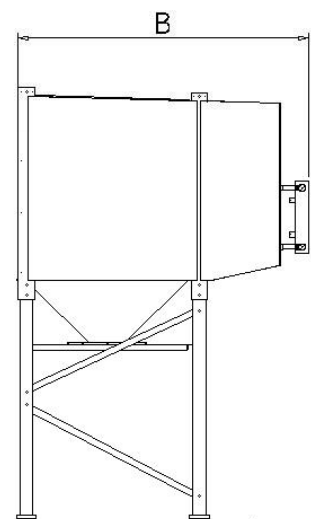
ADFT 2-12



ADFT 3-18



ADFT 4-24



ALL MODELS

ABS BLAST DUST COLLECTORS

Model Dimensions

MODEL *	FILTER AREA	CFM RANGE @		APPROX. SHIPPING WT. (LBS.)	DIMENSIONS		
		1.7:1.0	2.5:1.0		A	B	C
ADFT 2-4	1,016	1,727	2,540	1,678	40.0	64.5	117.3
ADFT 2-8	2,032	3,454	5,080	1,678	40.0	90.7	132.7
ADFT 3-12	3,048	5,182	7,620	2,078	60.0	90.7	151.2
ADFT 4-16	4,064	6,909	10,160	2,500	40.0	90.7	169.8
ADFT 4-24	6,096	10,363	15,240	4,250	60.0	90.7	169.8
ADFT 4-32	8,128	13,818	20,320	4,600	80.0	90.7	169.8
ADFT 3-36	9,144	15,545	22,860	6,100	120.0	90.7	151.2
ADFT 4-48	12,192	20,726	30,480	6,500	120.0	90.7	169.8
ADFT 4-64	16,256	27,635	40,640	8,500	160.0	90.7	169.8
ADFT 3-72	18,288	31,090	45,720	12,000	240.0	90.7	151.2
ADFT 4-96	24,384	41,453	60,960	12,500	240.0	90.7	169.8
ADFT 4-112	28,448	48,362	71,120	14,500	280.0	90.7	169.8
ADFT 4-128	32,512	55,270	81,280	16,500	320.0	90.7	169.8

* NOTE: THE FIRST NUMBER INDICATES THE NUMBER OF VERTICAL ROWS OF FILTERS; THE SECOND IS TOTAL NUMBER OF FILTERS PER MODEL.