



Toz Toplama Sistemleri San. ve Tic. Ltd. Şti.

Yaylacık Mh. 42. Sk No.16/1
Nilüfer / BURSA / TÜRKİYE

+90 224 532 05 16

+90 224 532 05 17

info@safteknik.com

www.safteknik.com





At Saf Teknik, we design and manufacture industrial metalworking and woodworking dust collectors that delivers reliable results over decades of use. The company founded in Bursa, Turkey, in 2015.

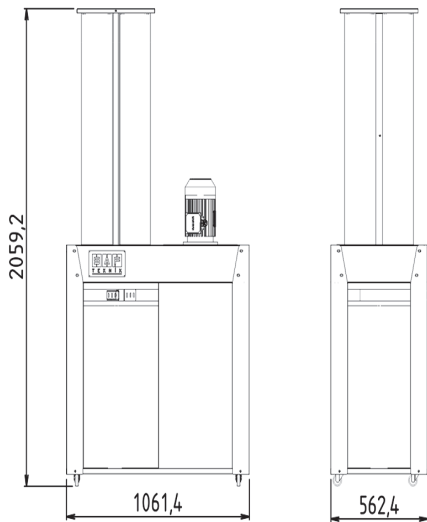
The main focus of Saf Teknik is to provide solutions for our customers' needs. Wood dust extraction is an essential service to improve air quality in working environments. We produce products that solve simple-to-complex cases. Our woodworking dust collectors can catch particles as small as 1 micron, giving you the clean, safe air you need in your shop. Efficient designs generate enough airflow and suction to filter mdf, chipboard and wood dust.

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As your value, To add more to you

S-2000

METAL BLADES end impeller breakings

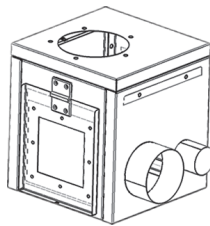
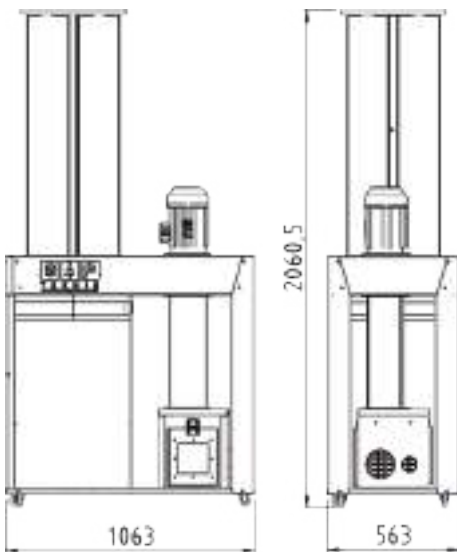


METAL IMPELLER

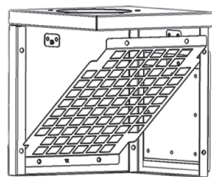


S-2000-T

PART SEPARATOR ends **IMPELLER** breakings
PART SEPARATOR reduces **FIRE** risk



PART SEPARATOR



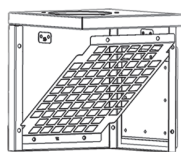
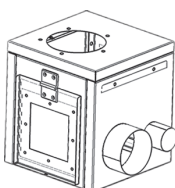
TECHNICAL DETAILS	S-2000	S-2000-T
Capacity	2.000 m3/h	2.000 m3/h
Motor Power	1,5 kw 2 hp 3000 rpm	1,5 kw 2 hp 3000 rpm
Vacuum Velocity	28 m/sec	28 m/sec
Filter Sizes	Ø180x1000 mm	Ø180x1000 mm
Filter Quantity	4 pcs	4 pcs
Filtration Area	2,26 m2	2,26 m2
Dust Storage	1 pc Ø500 mm	1 pc Ø500 mm
Inlet Diameter	Ø150 (125+60) mm	Ø150 (125+60) mm
Motor Drive Type	Direct Drive	Direct Drive
Weight	67 kg	80 kg
Electrical Connection	Cam Switch	Cam Switch
Part Separator	No	Yes

S-2500

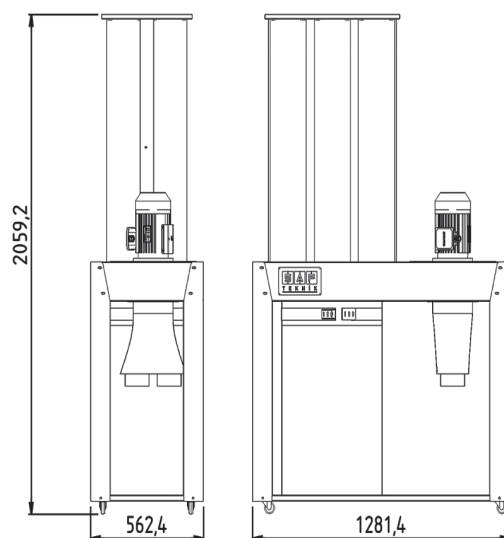
PART SEPARATOR ends **IMPELLER** breakings
PART SEPARATOR reduces **FIRE** risk



METAL IMPELLER



**OPTIONS:
PART SEPARATOR**

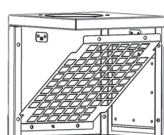
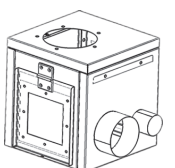


S-2500-T

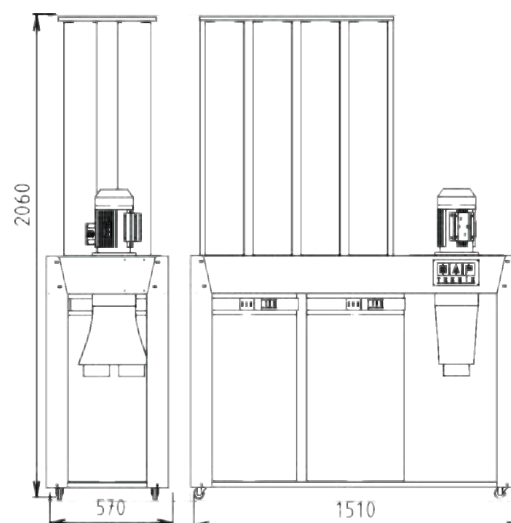
PART SEPARATOR ends **IMPELLER** breakings
PART SEPARATOR reduces **FIRE** risk



METAL IMPELLER



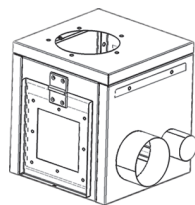
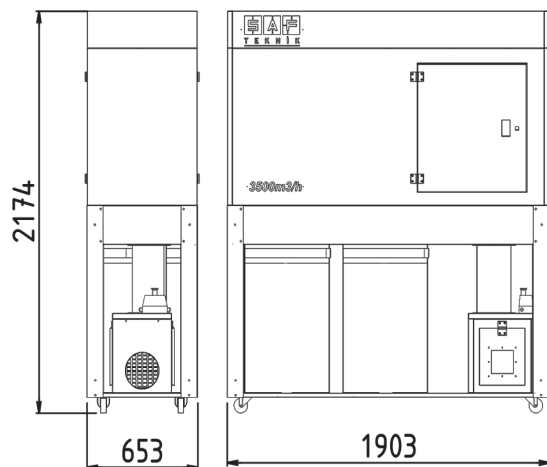
**OPTIONS:
PART SEPARATOR**



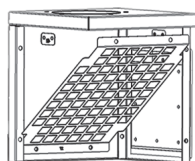
TECHNICAL DETAILS	S-2500	S-2500-T
Capacity	2.500 m ³ /h	2.500 m ³ /h
Motor Power	2,2 kw 3 hp 3000 rpm	2,2 kw 3 hp 3000 rpm
Vacuum Velocity	30 m/sec	30 m/sec
Filter Sizes	Ø180x1000 mm	Ø180x1000 mm
Filter Quantity	6 pcs	8 pcs
Filtration Area	3,39 m ²	4,52 m ²
Dust Storage	1 pc Ø500 mm	2 pcs Ø450 mm
Inlet Diameter	Ø200 mm	Ø200 mm
Motor Drive Type	Direct Drive	Direct Drive
Weight	70 kg	80 kg
Electrical Connection	Cam Switch	Cam Switch
Part Separator	Optional	Optional

S-3500

PART SEPARATOR ends **IMPELLER** breakings
PART SEPARATOR reduces **FIRE** risk

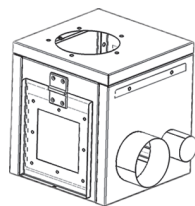
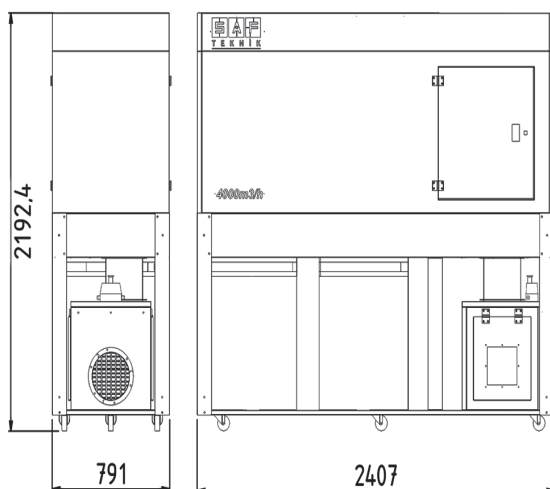


PART SEPARATOR

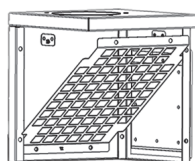


S-4000

PART SEPARATOR ends **IMPELLER** breakings
PART SEPARATOR reduces **FIRE** risk



PART SEPARATOR

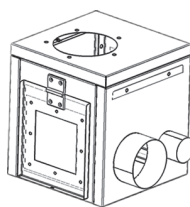


TECHNICAL DETAILS	S-3500	S-4000
Capacity	3.500 m3/h	4.000 m3/h
Motor Power	3 kw 4 hp 3000 rpm	4 kw 5,5 hp 3000 rpm
Vacuum Velocity	30 m/sec	32 m/sec
Filter Sizes	Ø160x1030 mm	Ø160x1030 mm
Filter Quantity	18 pcs	27 pcs
Filtration Area	9,31 m2	13,97 m2
Dust Storage	2 pcs Ø500x800 mm	2 pcs Ø600x800 mm
Inlet Diameter	Ø200 mm	Ø250 mm
Motor Drive Type	Direct Drive	Direct Drive
Weight	220 kg	300 kg
Electrical Connection	Cam Switch	Cam Switch
Part Separator	Yes	Yes

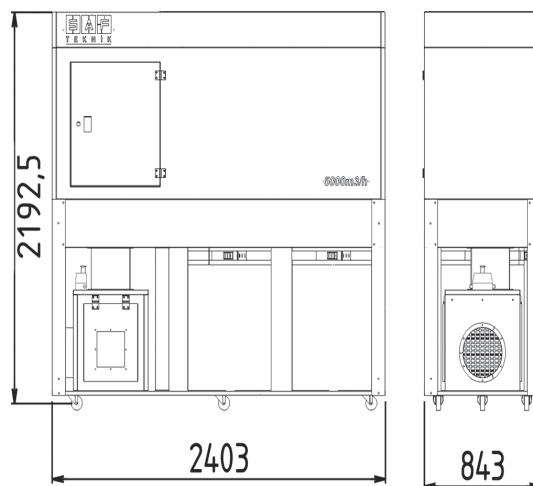
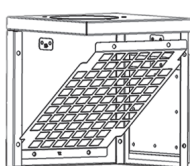
S-5000



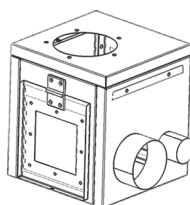
PART SEPARATOR ends **IMPELLER** breakings
PART SEPARATOR reduces **FIRE** risk



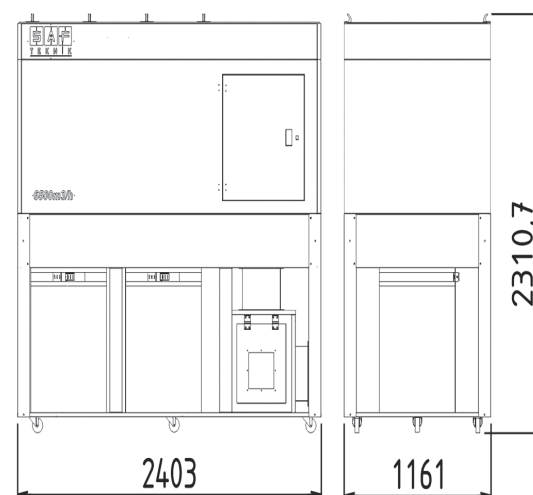
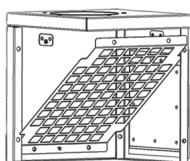
PART SEPARATOR



PART SEPARATOR ends **IMPELLER** breakings
PART SEPARATOR reduces **FIRE** risk
EASY cleaning with **MECHANICAL** vibration



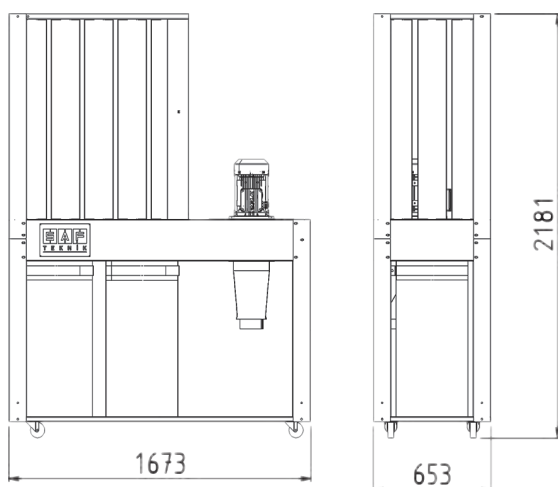
PART SEPARATOR



TECHNICAL DETAILS	S-5000	S-6500
Capacity	5.000 m3/h	6.500 m3/h
Motor Power	5,5 kw 7,5 hp 3000 rpm	7,5 kw 10 hp 3000 rpm
Vacuum Velocity	32 m/sec	32 m/sec
Filter Sizes	Ø160x1030 mm	Ø160x940 mm
Filter Quantity	32 pcs	45 pcs
Filtration Area	16,55 m2	21,25 m2
Dust Storage	2 pcs Ø600x800 mm	2 pcs Ø600x800 mm
Inlet Diameter	Ø280 mm	Ø300 mm
Motor Drive Type	Direct Drive	Direct Drive
Weight	310 kg	420 kg
Electrical Connection	Cam Switch	Star-Delta Starter
Vibration Motor	No	1 Pc

E-3500

ECONOMICAL Solution
METAL BLADES end impeller breakings

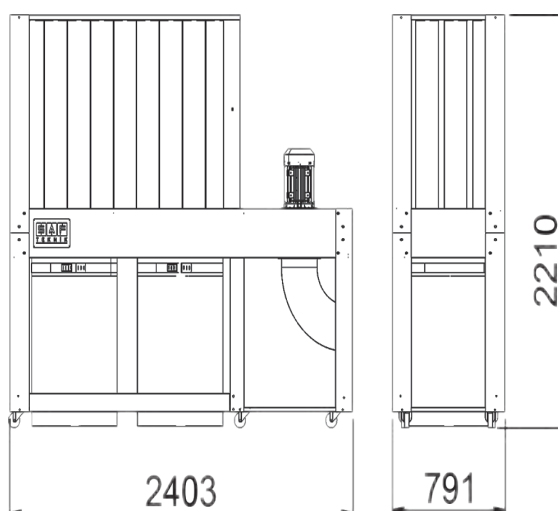


METAL IMPELLER



E-4000

ECONOMICAL Solution
METAL BLADES end impeller breakings



METAL IMPELLER



TECHNICAL DETAILS	E-3500	E-4000
Capacity	3.500 m ³ /h	4.000 m ³ /h
Motor Power	3 kw 4 hp 3000 rpm	4 kw 5,5 hp 3000 rpm
Vacuum Velocity	30 m/sec	32 m/sec
Filter Sizes	Ø160x1030 mm	Ø160x1030 mm
Filter Quantity	15 pcs	27 pcs
Filtration Area	7,76 m ²	13,97 m ²
Dust Storage	2 pcs Ø400x800 mm	2 pcs Ø600x800 mm
Inlet Diameter	Ø200 mm	Ø250 mm
Motor Drive Type	Direct Drive	Direct Drive
Weight	120 kg	260 kg
Electrical Connection	Cam Switch	Cam Switch
Part Separator	Optional	Optional

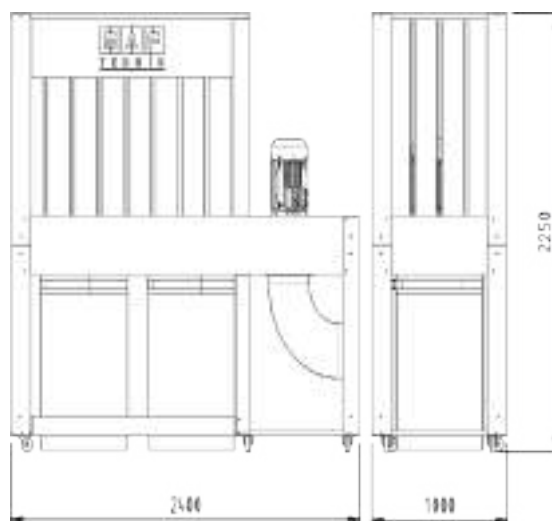
E-5000



ECONOMICAL Solution
METAL BLADES end impeller breakings



**METAL
IMPELLER**



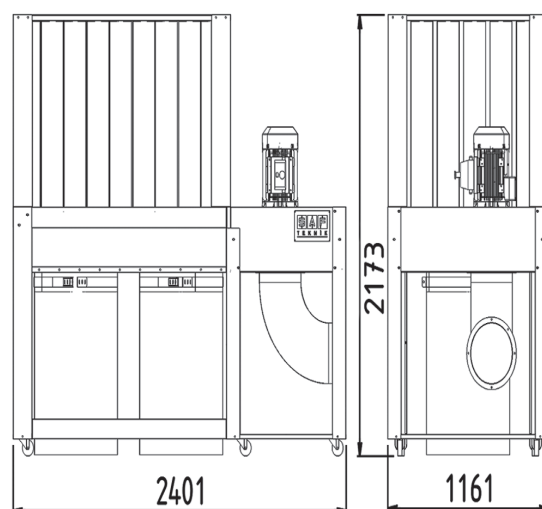
E-6500



ECONOMICAL Solution
METAL BLADES end impeller breakings



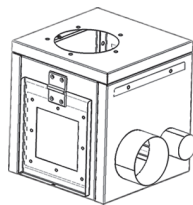
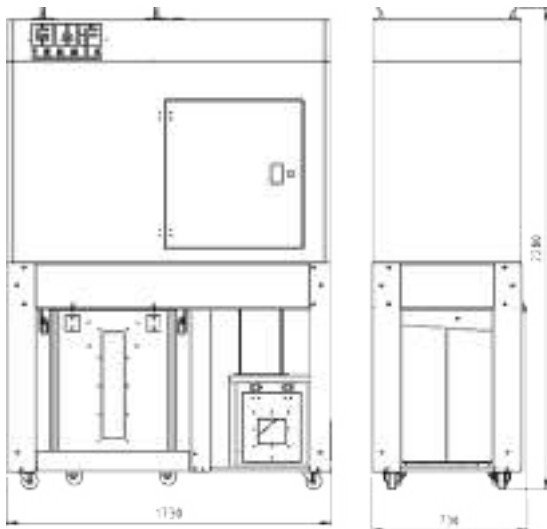
**METAL
IMPELLER**



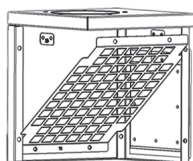
TECHNICAL DETAILS	E-5000	E-6500
Capacity	5.000 m ³ /h	6.500 m ³ /h
Motor Power	5,5 kw 7,5 hp 3000 rpm	7,5 kw 10 hp 3000 rpm
Vacuum Velocity	32 m/sec	32 m/sec
Filter Sizes	Ø160x1030 mm	Ø160x1030 mm
Filter Quantity	32 pcs	45 pcs
Filtration Area	16,55 m ²	23,28 m ²
Dust Storage	2 pcs Ø600x800 mm	2 pcs Ø600x800 mm
Inlet Diameter	Ø280 mm	Ø300 mm
Motor Drive Type	Direct Drive	Direct Drive
Weight	280 kg	330 kg
Electrical Connection	Cam Switch	Cam Switch
Part Separator	Optional	Optional

STK-3500

PART SEPARATOR reduces **FIRE** risk
EASY-TO-CHANGE metal containers

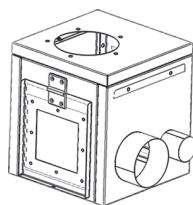
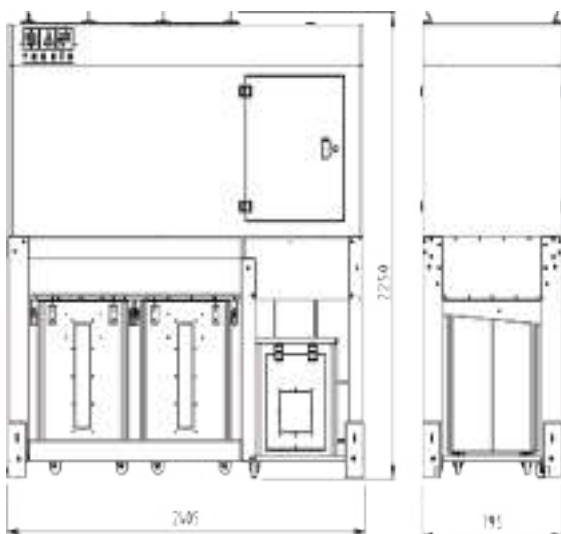


PART SEPARATOR

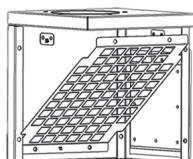


STK-4000

PART SEPARATOR reduces **FIRE** risk
EASY-TO-CHANGE metal containers



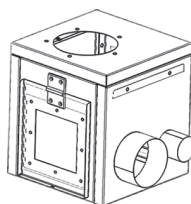
PART SEPARATOR



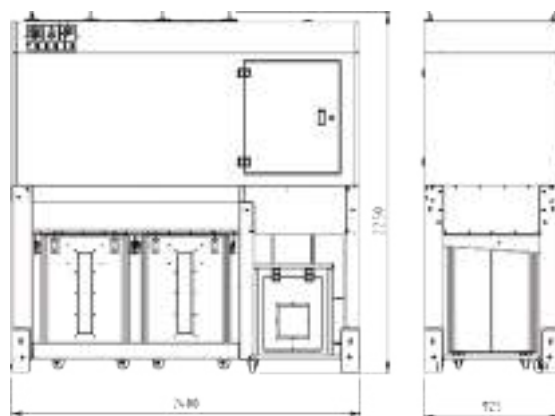
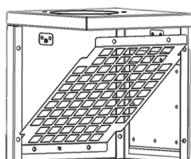
TECHNICAL DETAILS	STK-3500	STK-4000
Capacity	3.500 m3/h	4.000 m3/h
Motor Power	3 kw 4 hp 3000 rpm	4 kw 5,5 hp 3000 rpm
Vacuum Velocity	30 m/sec	32 m/sec
Filter Sizes	Ø160x1030 mm	Ø160x940 mm
Filter Quantity	15 pcs	27 pcs
Filtration Area	7,75 m2	12,75 m2
Dust Storage	1 pc Metal Container	2 pcs Metal Container
Inlet Diameter	Ø200 mm	Ø250 mm
Motor Drive Type	Direct Drive	Direct Drive
Weight	300 kg	420 kg
Electrical Connection	Star-Delta Starter	Star-Delta Starter
Vibration Motor	Yes	Yes

STK-5000

PART SEPARATOR reduces **FIRE** risk
EASY-TO-CHANGE metal containers

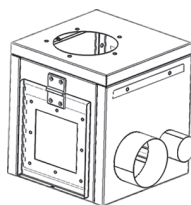


PART SEPARATOR

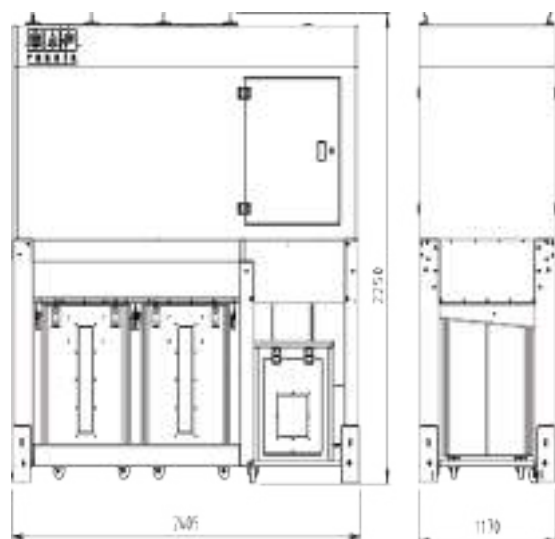
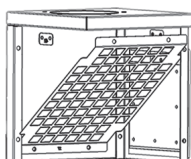


STK-6500

PART SEPARATOR reduces **FIRE** risk
EASY-TO-CHANGE metal containers

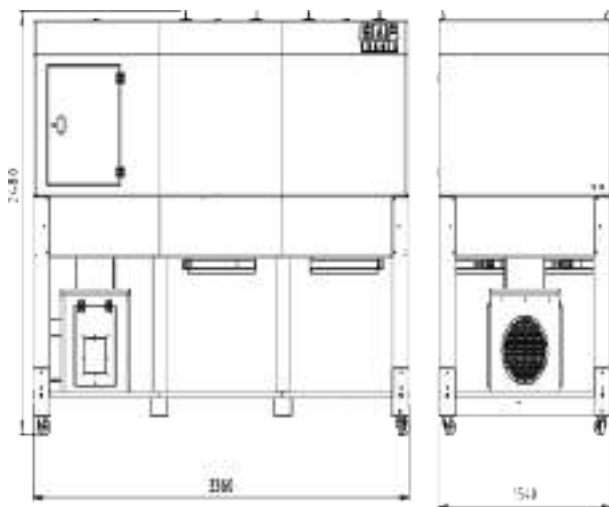


PART SEPARATOR



TECHNICAL DETAILS	STK-5000	STK-6500
Capacity	5.000 m ³ /h	6.500 m ³ /h
Motor Power	5,5 kw 7,5 hp 3000 rpm	7,5 kw 10 hp 3000 rpm
Vacuum Velocity	32 m/sec	32 m/sec
Filter Sizes	Ø160x940 mm	Ø160x940 mm
Filter Quantity	32 pcs	45 pcs
Filtration Area	15,11 m ²	21,25 m ²
Dust Storage	2 pcs Metal Container	2 pcs Metal Container
Inlet Diameter	Ø280 mm	Ø300 mm
Motor Drive Type	Direct Drive	Direct Drive
Weight	440 kg	460 kg
Electrical Connection	Star-Delta Starter	Star-Delta Starter
Vibration Motor	Yes	Yes

S-10000

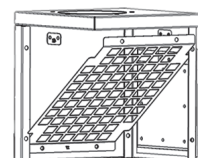
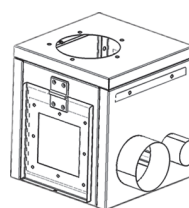


TECHNICAL DETAILS

STK-10000

Capacity	10.000 m3/h
Motor Power	11 kw 15 hp 3000 rpm
Vacuum Velocity	40 m/sec
Filter Sizes	Ø160x940 mm
Filter Quantity	72 pcs
Filtration Area	34 m2
Dust Storage	4 pcs Ø600 x 800 mm
Inlet Diameter	Ø355 mm
Motor Drive Type	Direct Drive
Weight	650 kg
Electrical Connection	Star-Delta Starter
Vibration Motor	Yes

PART SEPARATOR ends **IMPELLER** breakings
PART SEPARATOR reduces **FIRE** risk
EASY cleaning with **MECHANICAL** vibration



PART SEPARATOR

RADIAL FANS FOR DUST TRANSFER

Engineered for **LOW ENERGY** consumption

Special blade design for **HIGH EFFICIENCY**



PRODUCT CODE	AIRFLOW	INLET DIA.	OUTLET DIA.	MOTOR POWER	WEIGHT
Sf-213	3.500 m3/h	Ø200 mm	Ø250 mm	3 Kw 3000 RPM	82 Kg
Sf-214	4.000 m3/h	Ø250 mm	Ø300 mm	4 Kw 3000 RPM	98 Kg
Sf-215	5.000 m3/h	Ø280 mm	Ø300 mm	5,5 kw 3000 RPM	120 Kg
Sf-216	6.500 m3/h	Ø300 mm	Ø355 mm	7,5 Kw 3000 RPM	140 Kg
Sf-217	8.000 m3/h	Ø355 mm	Ø400 mm	11 Kw 3000 RPM	200 Kg
Sf-218	10.000 m3/h	Ø355 mm	Ø400 mm	15 Kw 3000 RPM	210 Kg
Sf-219	12.500 m3/h	Ø400 mm	Ø400 mm	18,5 Kw 3000 RPM	278 Kg
Sf-2110	15.000 m3/h	Ø450 mm	Ø450 mm	22 Kw 3000 RPM	340 Kg
Sf-2111	20.000 m3/h	Ø500 mm	Ø500 mm	30 Kw 3000 RPM	420 Kg
Sf-2112	25.000 m3/h	Ø560 mm	Ø560 mm	37 Kw 3000 RPM	440 Kg



**HIGH
PERFORMANCE**

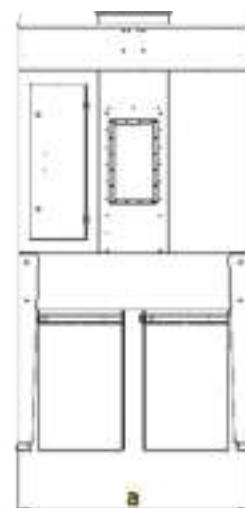
FILTRATION UNIT WITH PVC BAG

Pressure room extends the lifecycle of filters.

Recycled air returns to plant with air ducts.

Practical clamp system allows to change waste bags quickly

Easy-to-change filters

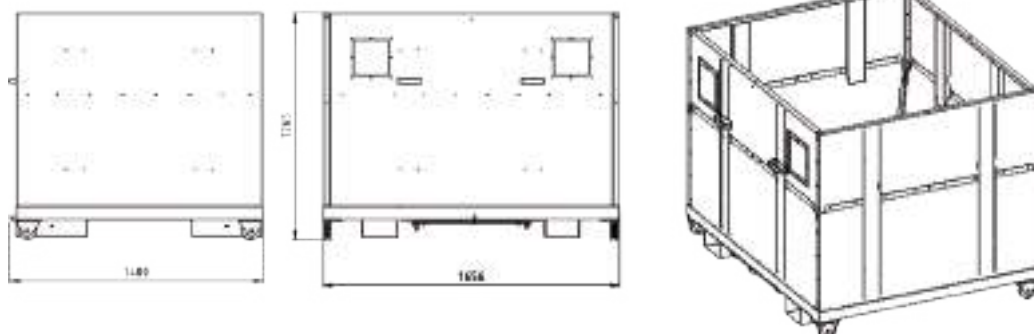
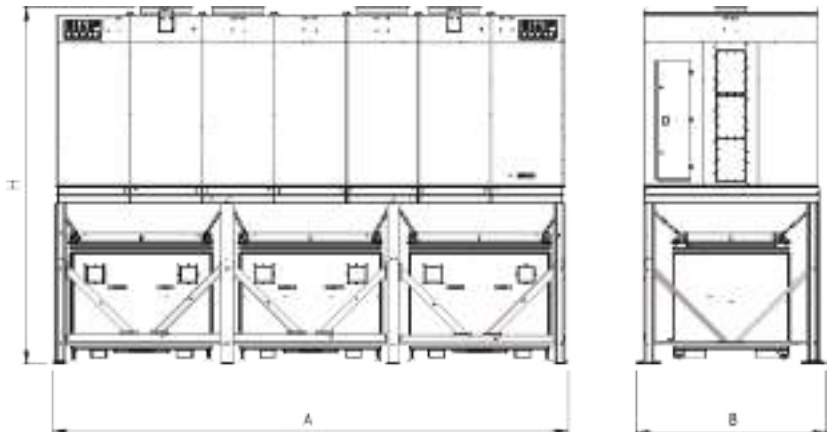


PRODUCT CODE	AIRFLOW	SIZES			DUST STORAGE BAG SIZES	DUST STORAGE BAG QUANTITY
		a (mm)	b (mm)	h (mm)		
Sf-312	8000 m3/h	1700	2250	3200	Ø600x1000 mm	6 (1,68 m3)
Sf-313	12000 m3/h	1700	3360	3200	Ø600x1000 mm	8 (2,24 m3)
Sf-314	16000 m3/h	1700	3360	3600	Ø600x1000 mm	8 (2,24 m3)
Sf-315	20000 m3/h	1700	4200	3600	Ø600x1000 mm	10 (2,8 m3)
Sf-316	24000 m3/h	1700	5000	3600	Ø600x1000 mm	12 (3,36 m3)
Sf-317	28000 m3/h	1700	5850	3600	Ø600x1000 mm	14 (3,92 m3)
Sf-318	30000 m3/h	2050	5000	3600	Ø600x1000 mm	12 (3,36 m3)
Sf-319	35000 m3/h	2050	5820	3600	Ø600x1000 mm	14 (3,92 m3)
Sf-3110	40000 m3/h	2050	6640	3600	Ø600x1000 mm	16 (4,48 m3)

FILTRATION UNIT WITH METAL CONTAINER



- No malfunctions comparing to complex systems.
- Saving on time with easy waste discharge system.
- Easy, smart and economical system
- Low maintenance cost



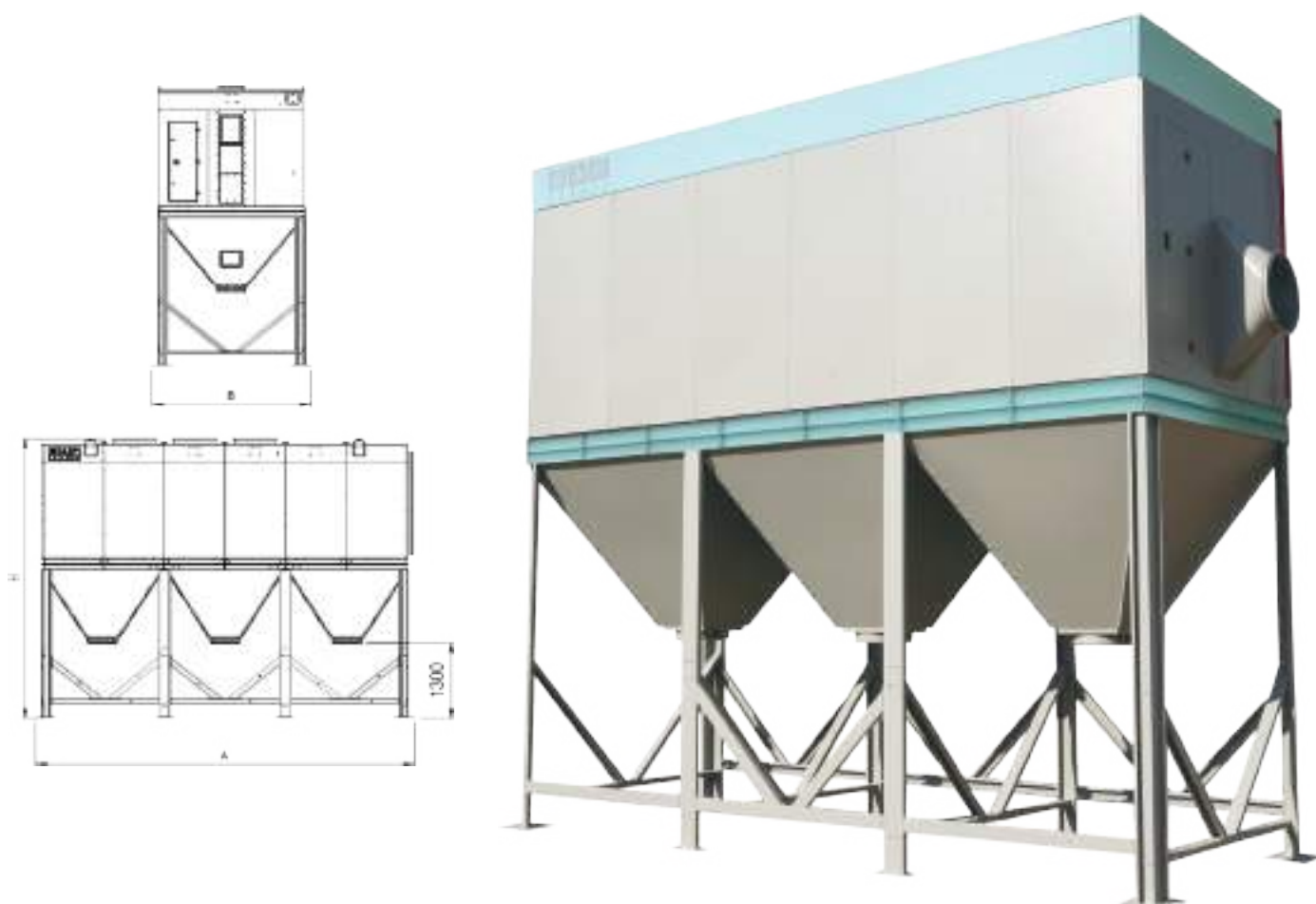
PRODUCT CODE	AIRFLOW	SIZES a (mm) b (mm) h (mm)	METAL CONTAINER SIZES	QUANTITY
Kp-12	12.000m ³ /h	2500 3000 4200	1600 x 1400 x 1250	1
Kp-20	20.000 m ³ /h	4250 3000 4200	1600 x 1400 x 1250	2
Kp-30	30.000 m ³ /h	5350 3000 4200	1600 x 1400 x 1250	2
Kp-40	40.000 m ³ /h	6100 3000 4200	1600 x 1400 x 1250	3
Kp-50	50.000 m ³ /h	7900 3000 4200	1600 x 1400 x 1250	3

FILTRATION UNIT WITH BIG BAG

Pressure room extends the lifecycle of filters.

Recycled air returns to plant with air ducts.

Easy-to-change filters



PRODUCT CODE	AIRFLOW	SIZES			DUST STORAGE BAG SIZES	DUST STORAGE BAG QUANTITY
		a (mm)	b (mm)	h (mm)		
BB-1511	12.000 m3/h	2500	3000	5000	1 x 1 x 1,3 m	1 (1,3 m3)
BB-1513	20.000 m3/h	4250	3000	5000	1 x 1 x 1,3 m	2 (2,6 m3)
BB-1514	30.000 m3/h	5350	3000	5000	1 x 1 x 1,3 m	2 (2,6 m3)
BB-1515	40.000 m3/h	6100	3000	5000	1 x 1 x 1,3 m	3 (3,9 m3)
BB-1516	50.000 m3/h	7900	3000	5000	1 x 1 x 1,3 m	3 (3,9 m3)

POLYAMIDE BASE SANDING TABLE



SQUARE TYPE PART SEPERATOR

HIGH Efficient,
ECONOMICAL Solution

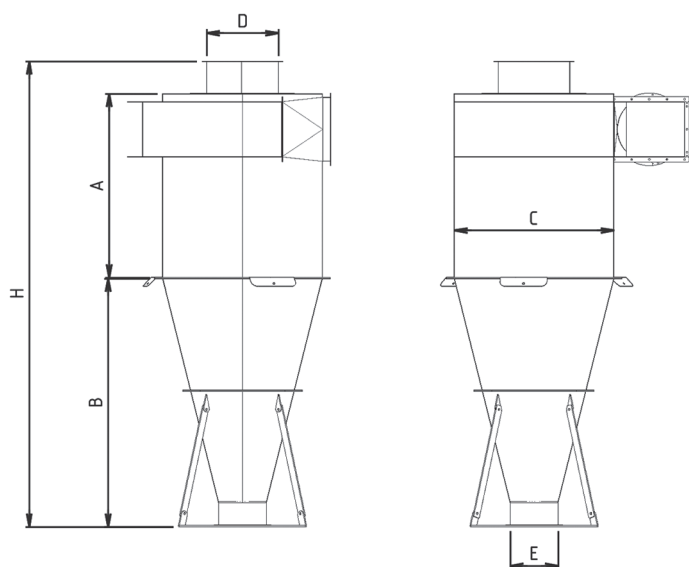
- Provides high performance at low cost,
- Eliminates impeller balance problems,
- Separates long and big pieces,
prevents electrical motor get damaged,
- Easy-to-clean,
- Suitable for any type of fan,



HIGH
PERFORMANCE



CYCLONE



PRODUCT CODE	AIRFLOW	SIZES					
		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	H (mm)
Sf-512	5.000-10.000m ³ /h	1200	1500	1000	450	300	2900
Sf-513	11.000-15.000m ³ /h	1200	1750	1250	500	355	3150
Sf-514	16.000-30.000m ³ /h	1200	2000	1500	600	450	3400

CAPACITY CALCULATION AND FINDING THE RIGHT PRODUCT

1st Step:

Capacity calculation for existing machine or future purchasing.

Calculate your machines capacity according to the table below. It's important to pay attention to dust outlet quantity and diameters

Diameter	Airflow (32m/sec)	
Ø60	325	m³/h
Ø80	570	m³/h
Ø100	900	m³/h
Ø120	1300	m³/h
Ø140	1770	m³/h
Ø150	2034	m³/h
Ø160	2315	m³/h
Ø180	2930	m³/h
Ø200	3617	m³/h
Ø250	5652	m³/h
Ø300	7089	m³/h

Sliding-table saw	1600	m³/h
Spindle Moulder	2.500	m³/h
Planer	2.000	m³/h
Thicknessing machine	1600	m³/h
Door Panel Cutting Machine (Average)	5.000	m³/h
Door Case Forming Machine (Average)	4.000	m³/h
45 Twin Circular Saw for Cutting Door Cases (Av.)	3.500	m³/h
5 blade Profiling Machine (Average)	6.500	m³/h
6 blade profiling Machine (Average)	10.000	m³/h
CNC (Average)	6.500	m³/h
Horizontal Panel Cutting Machine (Average)	6.500	m³/h
Edge banding (Average)	6.500	m³/h

2st Step:

Choosing the product according to total capacity. Total capacity should be detected by summation of each machine's capacity.

Average capacities for some machines. Information provided above is average. Check manufacturer for accurate information.

Example 2

Cnc	6500 m³/h
Edge banding 1	4000 m³/h
Edge banding 2	6000 m³/h
Horizontal Panel Cutting Machine	6400 m³/h
Sliding-table saw	1600 m³/h
Total	24.500 m³/h

Example Calculation

For a machine with 2 pcs Ø120 mm, 2 pcs Ø100 mm and 3 pcs Ø80 mm dust outlets.

1	Ø80	570x3	1710	m³/h
2	Ø100	900x2	1800	m³/h
3	Ø120	1300x2	2600	m³/h
Total			6110	m³/h

3st Step: Choosing the fans

One fan might be used if all the machines are working at the same time and period. However, if they work in different time periods, more than one fan should be chosen. Thus, energy saving will be occurred in long term.

Following the example above.

Filtration Unit	24.000 m³/h
1st Fan (CNC)	6500 m³/h
2nd Fan (edge banding 1 + edge banding 2)	10.000 m³/h
3rd Fan (Horizontal Panel Cutting Machine + Sliding-table saw)	8.000 m³/h

Your need will be determined from the table above.

