



CATALOGUE





Dear Customer,

We have been your producer of extraction technology since 1991. Your workshops use our machinery to extract waste from woodworking equipment, thus improving your workplace significantly. We are a 100-per cent Czech company and everything you can see in the catalogue below is the result of high-quality technology merging with the effort of our qualified personnel. Through the many years of our manufacturing history, we have acquired thousands of satisfied customers, both in the Czech Republic and in many other European countries. We appreciate your interest in our products and we believe that you will join the ranks of our satisfied customers.

You can use this catalogue to find information on extraction equipment; why not take advantage of the situation and learn about filtration units and briquette presses? Choose what you need and start

**extracting, filtering
and briquetting with us.**

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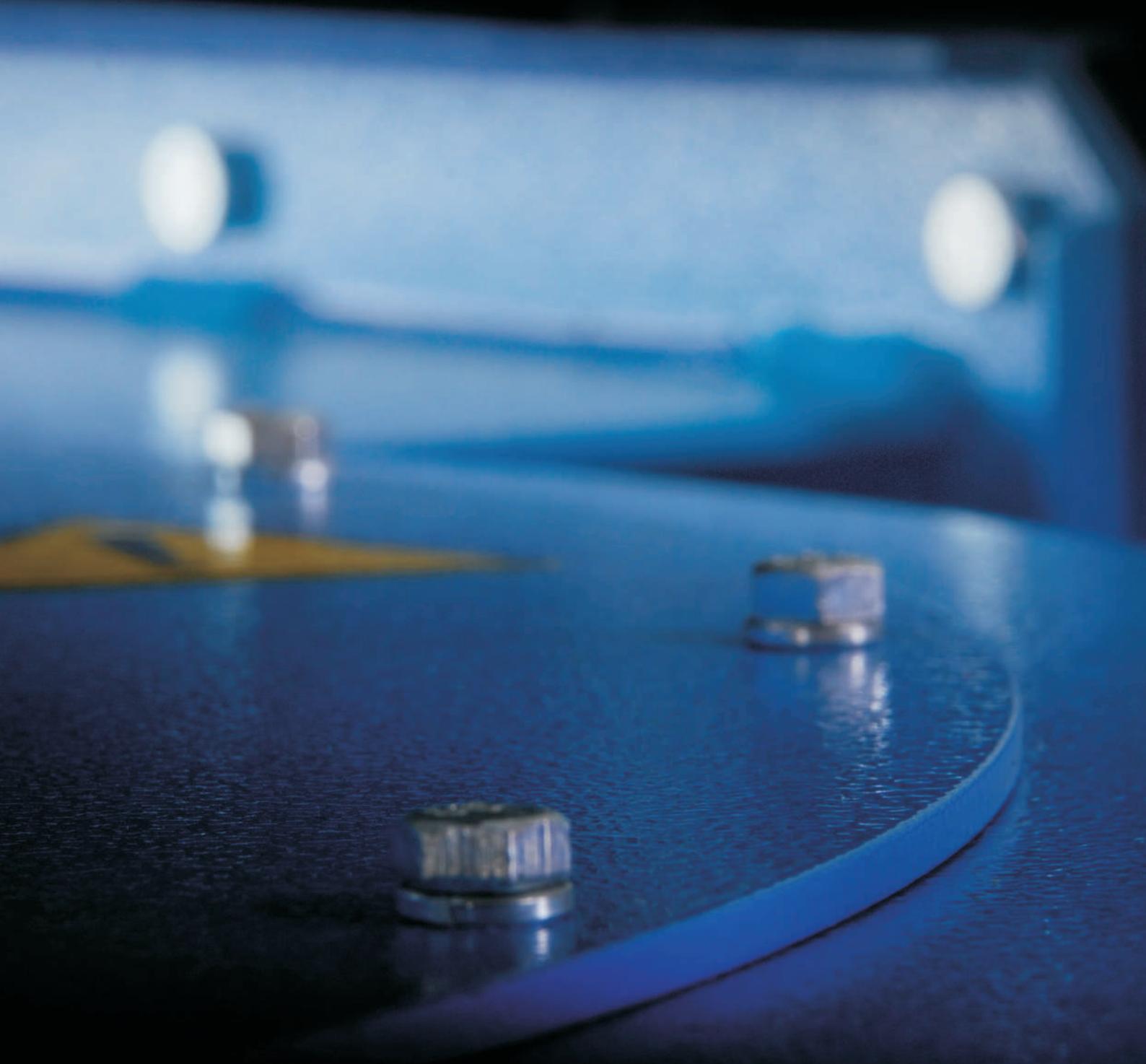
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Dust and sawdust extractors



Filtration unit



Briquetting presses

Advantages and common features in dust and sawdust extractors

- all-metal, robust design
 - high quality of materials used
 - economical motors
 - units FT 100 through FT 202 are fitted with wheels for ease of handling
 - reliability and long life
 - high quality balanced rotors
 - good ratio of output to purchase price
 - "Ex"-certified – suitable for extraction of flammable industrial dust of St1 volatility class (Zone 21) and installation in environments of maximum classification of Zone 22.

Přehled odsávaných materiálů



FT 100

A solid base

Inlet diameter	100 mm
Suction capacity (max.)	950 m³/h
Air flow speed (max.)	31 m/s
Filtering area	1,4 m²
Waste bag volume	100 l
Power input	0,37 kW

FT 100 PLAST

Professional attitude toward your hobby



Inlet diameter	90 mm
Suction capacity (max.)	600 m³/h
Air flow speed (max.)	26 m/s
Filtering area	1,1 m²
Waste bag volume	40 l
Power input	0,37 kW



FT 200

For a good start to your business

Inlet diameter	125 mm
Suction capacity (max.)	1560 m ³ /h
Air flow speed (max.)	35 m/s
Filtering area	1,4 m ²
Waste bag volume	140 l
Power input	1,1 kW



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FT 202

For higher performance

Inlet diameter	150 mm
Suction capacity (max.)	1760 m ³ /h
Air flow speed (max.)	28 m/s
Filtering area	2,8 m ²
Waste bag volume	280 l
Power input	1,1 kW

FT 200 P, FT 202 P - with filter V 15 (filtering area FT 200 = 9 m², FT 202 = 18 m²)
FT 200 Ex, FT 202 Ex-suitable for extraction of flammable industrial dust of St1 volatility class (Zone 21) and installation in environments of maximum classification of Zone 22.



FT 302

*For those who don't know
the meaning of the word "stop"*

Inlet diameter	180 mm
Suction capacity (max.)	3600 m ³ /h
Air flow speed (max.)	41 m/s
Filtering area	4,9 m ²
Waste bag volume	440 l
Power input	1,1 kW

FT 302 H

Double filtration area

Inlet diameter	180 mm
Suction capacity (max.)	3600 m ³ /h
Air flow speed (max.)	41 m/s
Filtering area	9,6 m ²
Waste bag volume	440 l
Power input	1,1 kW



[FT 302 Ex, FT 302 Ex H - suitable for extraction of flammable industrial dust of St1 volatility class (Zone 21) and installation in environments of maximum classification of Zone 22.]

FT 400

A reliable assistant for demanding applications

Inlet diameter	250 mm
Suction capacity (max.)	4600 m ³ /h
Air flow speed (max.)	26 m/s
Filtering area	6 m ²
Waste bag volume	660 l
Power input	2,2 kW



FT 403

1000 litres for your waste

Inlet diameter	250 mm
Suction capacity (max.)	5990 m ³ /h
Air flow speed (max.)	34 m/s
Filtering area	9 m ²
Waste bag volume	990 l
Power input	2,2 kW

[FT 400 Ex, FT 403 Ex-suitable for extraction of flammable industrial dust of St1 volatility class (Zone 21) and installation in environments of maximum classification of Zone 22.]





FT 502

For the true carpenter

	FT 502	FT 504
Inlet diameter [mm]	300	300
Suction capacity (max.) [m³/h]	7900	8700
Air flow speed (max.) [m/s]	32	35
Filtering area [m²]	12	18
Waste bag volume [l]	660	1320
Power input [kW]	3	3

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FT 504

*A professional
member of your
workshop*

FT 502 Ex, FT 504 Ex - suitable for extraction of flammable industrial dust of St1 volatility class (Zone 21) and installation in environments of maximum classification of Zone 22.

FT 100 > FT 504 - list of optional accessories



FT 100 > FT 504 - list of spare parts and accessories

WIRE TPU-Z hose



This polyurethane antistatic hose brings excellent parameters in flexibility and long operating life. The hose is fitted with a spiral, wire reinforcement to transfer the static charge.



PVC LIGNUM CLEAR hose

A standard hose made of transparent PVC. The hose is hardened with a plastic spiral reinforcement.

Reinforced polyethylene waste bag

Extractor waste bag of standard design, made from reinforced polyethylene foil.



Textile waste bag

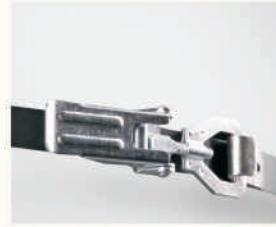
Waste bag made from impregnated textile material, designed for heavy applications. The bag is fitted with holders to ease handling.



Rotors



High-quality welded and balanced rotors for FT 302 – FT 504 extractors. Aluminium alloy rotors for FT 100 – FT 202 extractors.



Metal clamping strip

Universal clamping strip for fastening all types of filters and waste bags. The adjustable screw mechanism sets the correct clamp length.

Filter

A cylindrical filter from nonwoven polyester material for extractors of standard design, "Ex"-design type includes antistatic treatment.



Hose filter with filtration area enhanced through 4 hoses sharing one filter.



V 15 is a paper filter for the retention of wood, silica, or cement dust.



Sheet metal components

A large assortment of components made from galvanized sheet metal for connecting the machinery to extractors, such as T- or X-shape fittings, reductions, extraction terminals or piping parts for the solution of extraction systems, bends, dividers, piping, reductions, etc.



FT 100 > FT 504 - list of technical data

	inlet diameter [mm]	suction capacity (max.) [m³/h]	air flow speed (max.) [m/s]	under-pressure [Pa]	filtering area [m²]	waste bag volume [m³]	waste bag volume [l]	voltage [V]	power input [kW]	noise level [dB]	weight [kg]	height [mm]	width [mm]	length [mm]
FT 100 Plast	90	600	26	1000	1,1	0,04	40	230	0,37	72	12	500	400	600
FT 100	100	950	31	1100	1,4	0,1	100	230 (400)	0,37	75	28	1950	500	840
FT 200	125	1560	35	1570	1,4	0,14	140	400 (230)	1,1	79	41	2200	540	850
FT 200 Ex	125	1560	35	1570	1,4	0,14	140	400 (230)	1,1	79	44	2200	540	850
FT 200 P	125	1560	35	1570	9	0,14	140	400 (230)	1,1	79	46	1600	540	850
FT 202	150	1760	28	1470	2,8	0,28	280	400 (230)	1,1	79	55	2200	540	1350
FT 202 Ex	150	1760	28	1470	2,8	0,28	280	400 (230)	1,1	79	59	2200	540	1350
FT 202 P	150	1760	28	1470	18	0,28	280	400 (230)	1,1	79	65	1600	540	1350
FT 302	180	3600	41	1740	4,9	0,44	440	400	1,1	80	70	2600	740	1700
FT 302 Ex	180	3600	41	1740	4,9	0,44	440	400	1,1	80	74	2600	740	1700
FT 302 H	180	3600	41	1740	9,6	0,44	440	400	1,1	80	72	2500	740	1700
FT 302 Ex H	180	3600	41	1740	9,6	0,44	440	400	1,1	80	76	2500	740	1700
FT 400	250	4600	26	2400	6	0,66	660	400	2,2	84	89	2700	1220	1320
FT 400 Ex	250	4600	26	2400	6	0,66	660	400	2,2	84	95	2700	1220	1320
FT 403	250	5990	34	2250	9	1	1000	400	2,2	84	111	2700	750	2750
FT 403 Ex	250	5990	34	2250	9	1	1000	400	2,2	84	117	2700	750	3450
FT 502	300	7900	32	1800	12	0,66	660	400	3	84	115	2900	750	2000
FT 502 Ex	300	7900	32	1800	12	0,66	660	400	3	84	121	2900	750	2000
FT 504	300	8700	35	1800	18	1,33	1330	400	3	87	164	2900	750	3450
FT 504 Ex	300	8700	35	1800	18	1,33	1330	400	3	87	170	2900	750	3450

Mopik

industry vacuum cleaner

- all-metal, robust design
- suitable for heavy-duty applications in joiner or industrial environments
- large filtration area
- high performance

Inlet diameter	100 mm
Suction capacity (max.)	1360 m ³ /h
Air flow speed (max.)	35 m/s
Filtering area	9 m ²
Waste bag volume	60 l
Power input	1,1 kW



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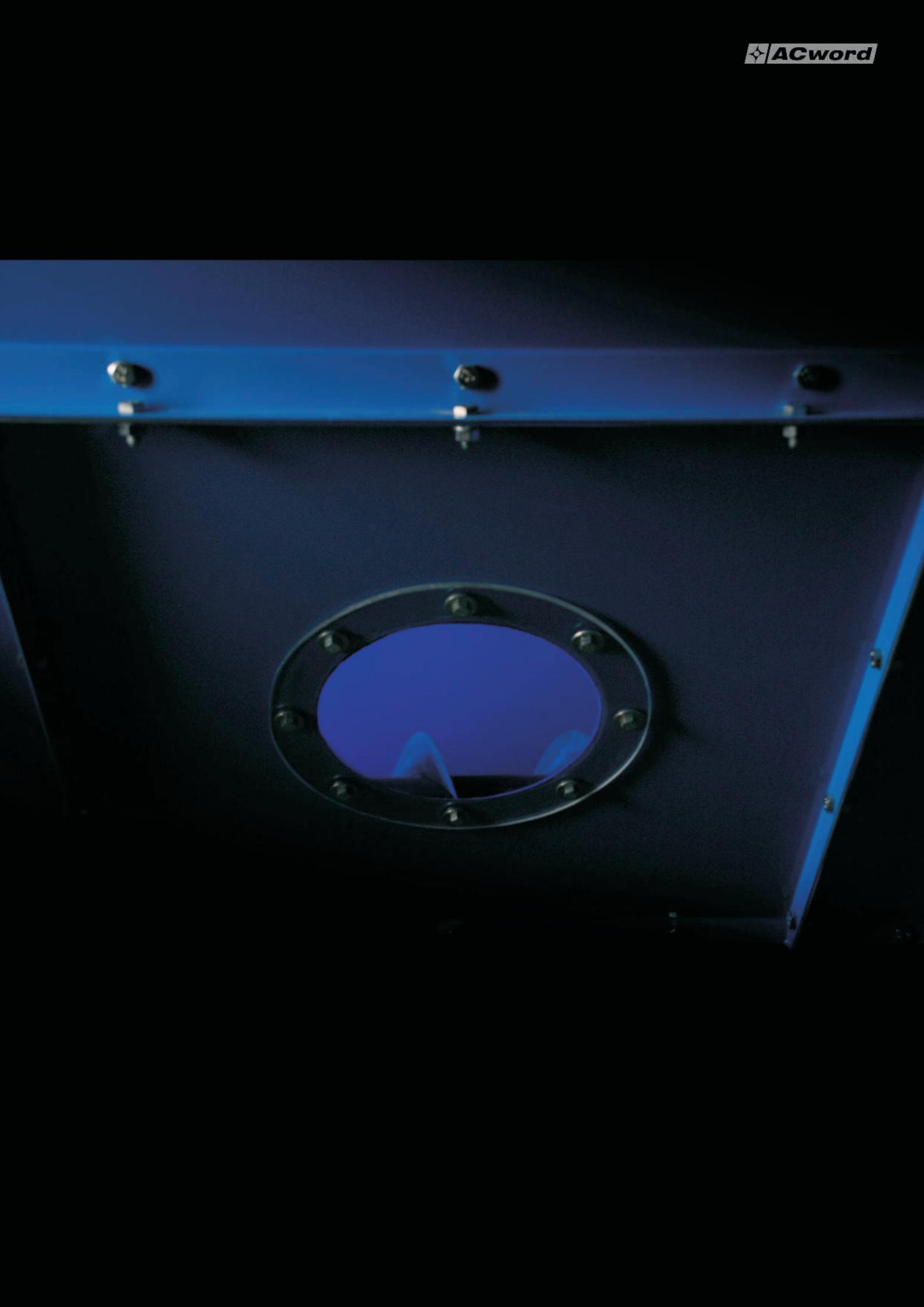
BR 100

metal separator

- designed especially for the extraction of waste material resulting from machining
- easy operation
- easy handling with the waste receptacle
- optional connection for an extractor terminal for workshop cleaning
- waste receptacle with a capacity of 30 L

Inlet diameter	100 mm
Suction capacity (max.)	1010 m ³ /h
Air flow speed (max.)	32 m/s
Filtering area	6 m ²
Waste bag volume	30 l
Power input	1,1 kW







Dust and sawdust extractors



Filtration unit



Briquetting presses

Application of filtration units

- Extraction at major machinery, such as CNC machining centers, formatting centers, wide-belt sanders
- Central extraction systems, etc.

FJ 18

Filtration unit

The FJ 18 is a pressure filtration unit and is equipped with hose filters. The trapped waste is separated into waste bags, metal containers, or it is continually driven away via a screw conveyor. Each module of the FJ 18 filtration unit includes a vibration motor for the effective regeneration of the filtration hoses. The connection system of the individual modules allows various setups of the filtration unit to deliver the desired output.

The basic equipment of an FJ 18 - 1 filtration unit module includes

- 18 antistatic filtration hoses (220 mm in diameter, 1730 mm in length)
- vibration motor for the regeneration of filter hoses
- Dry fire extinguishing system (only in units with an outer jacket)
- Relief vents in the case of explosion (only in units with an outer jacket)
- Bags or sheet metal containers for the accumulation of waste
- Screw conveyor and rotary feeder (only in 2- or 3-module installations)
- Control flap for uniform filling of the waste bags or containers
- Intake chamber for a more balanced load of filter hoses

Advantages

- optional extension of the customer's existing filtration unit (up to 3 modules maximum) in case of the need for higher extraction volumes after the installation of new machinery
- filter hose regeneration via vibration motor
- indoor or outdoor application, depending on the required transport capacity
- easy installation according to the user's manual
- optional recuperation of the hot, extracted air back to the workshop (only in units with an outer jacket)
- minimum maintenance requirements

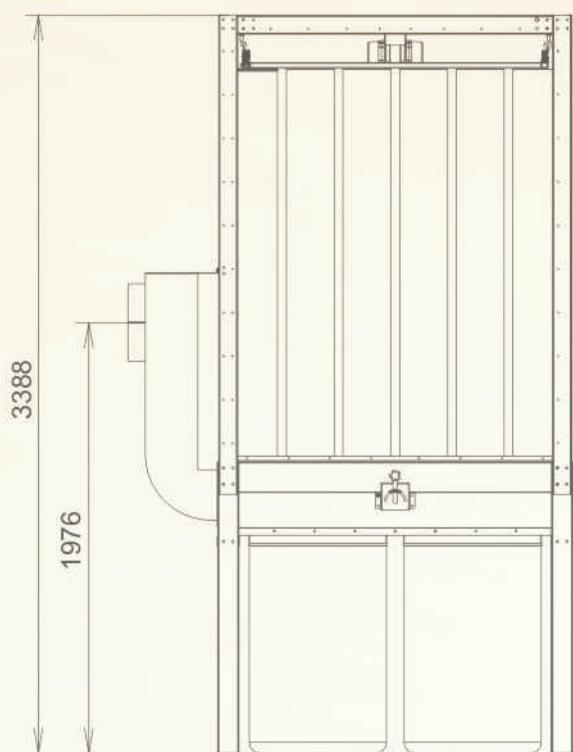


FJ 18 - 1BO

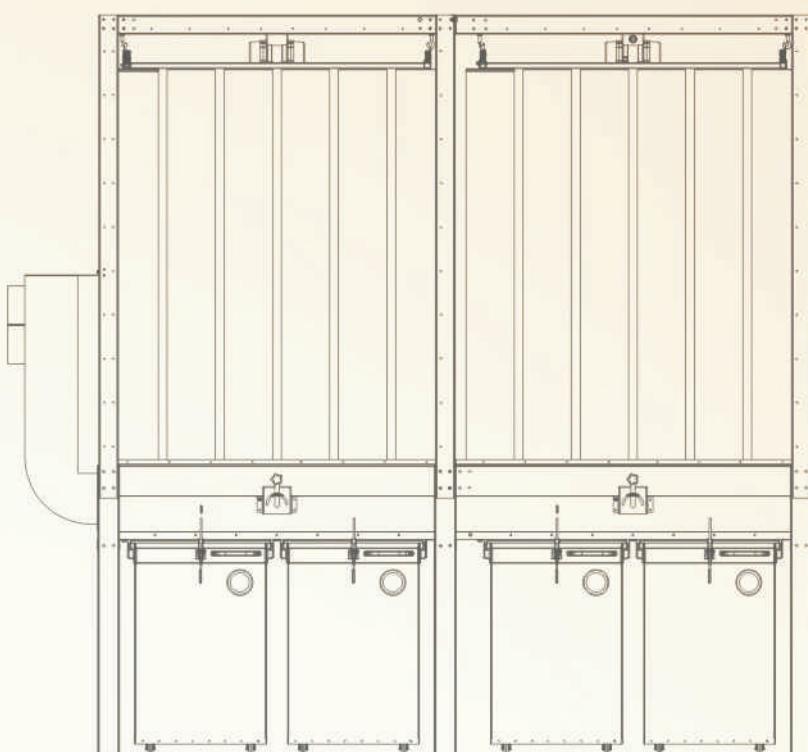
Filtration unit | FJ 18

FJ 18 - Layouts

FJ 18 - 1



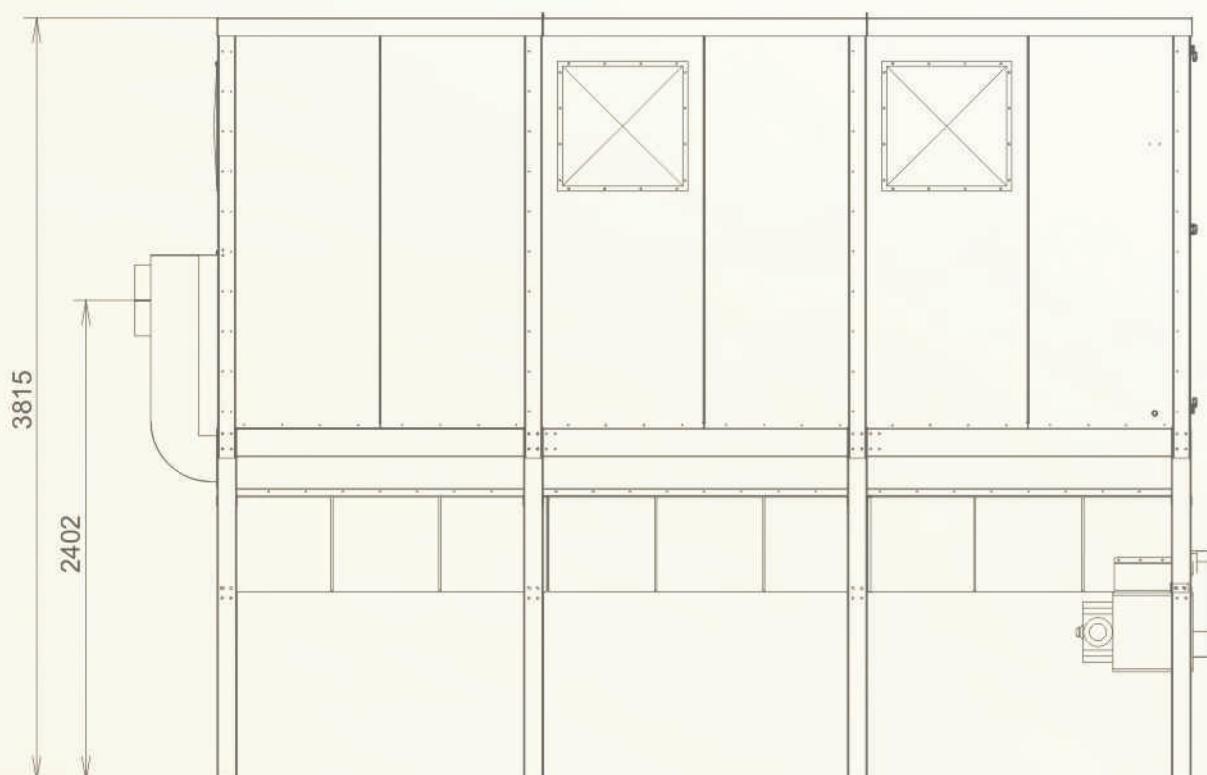
FJ 18 - 2B



18
1 module with waste bags, without outer jacket

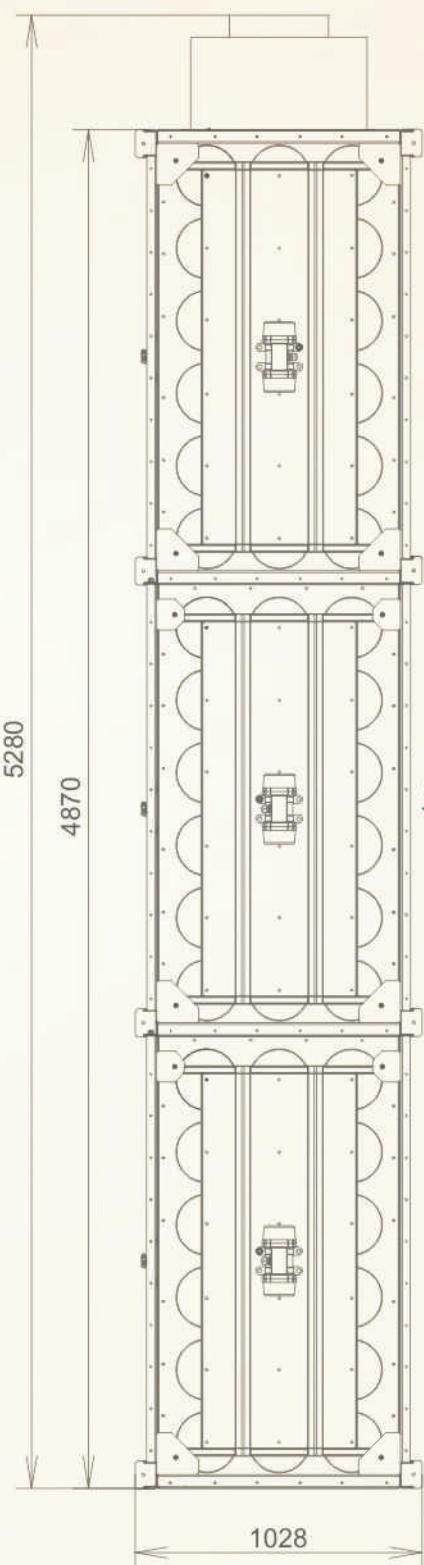
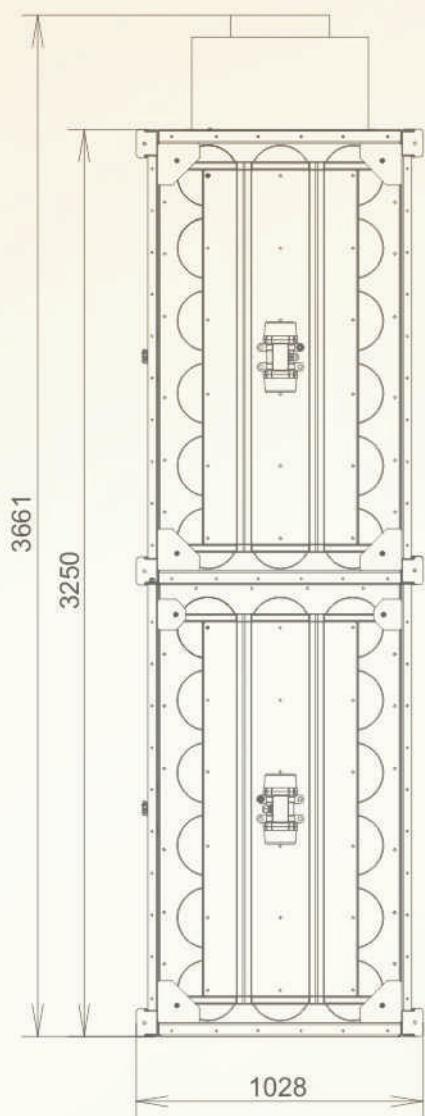
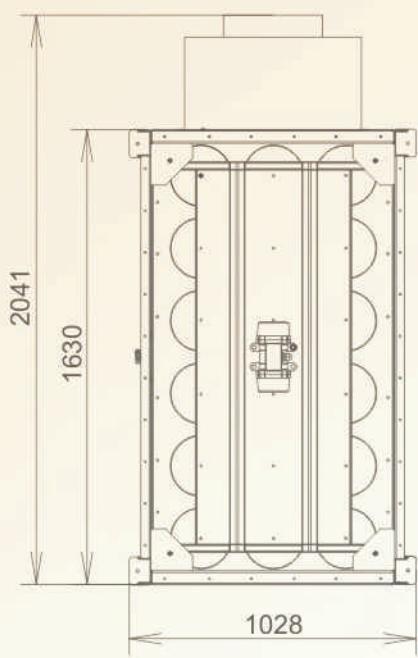
2 modules with waste containers, without outer jacket

FJ 18 - 3SO

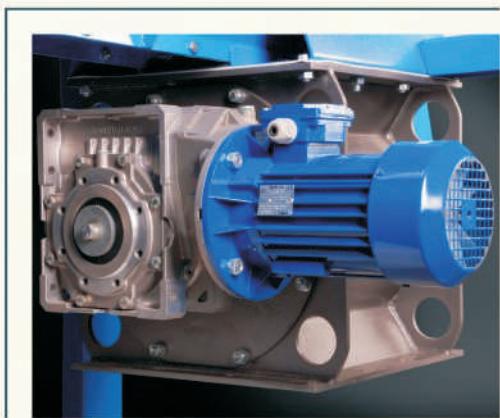


3 modules with screw conveyor, rotary valve, with outer jacket





Filter hose regeneration via vibration motor



Rotary valve



FJ 18 - 1B



Relief vent in the case of explosion



Waste containers locking



FJ 18 - 2SO

FJ 18 - list of technical data

	Number of modules	Outer jacket	Waste containers	Waste bags	Screw conveyer	Recuperation	Suction capacity [m³/h]	Number of filters [Pcs.]	Filtering area [m²]	Waste bag volume(containers) [l]	Number of waste bags (containers) [Pcs.]	Height [mm]	Width [mm]	Lenght [mm]
FJ 18 - 1	1	■	■	■	■	■	6000	18	23	660	2	3388	1028	2041
FJ 18 - 1B	1	■	■	■	■	■	6000	18	23	640	2	3388	1028	2041
FJ 18 - 1BO	1	■	■	■	■	■	6000	18	23	640	2	3388	1028	2041
FJ 18 - 2	2	■	■	■	■	■	10 000	36	46	1320	4	3388	1028	3661
FJ 18 - 2B	2	■	■	■	■	■	10 000	36	46	1280	4	3388	1028	3661
FJ 18 - 2BO	2	■	■	■	■	■	10 000	36	46	1280	4	3388	1028	3661
FJ 18 - 2S	2	■	■	■	■	■	10 000	36	46	■	Screw conveyer	3815	1028	3755
FJ 18 - 2SO	2	■	■	■	■	■	10 000	36	46	■	Screw conveyer	3815	1028	3755
FJ 18 - 3	3	■	■	■	■	■	15 000	54	69	1980	6	3388	1028	5280
FJ 18 - 3B	3	■	■	■	■	■	15 000	54	69	1920	6	3388	1028	5280
FJ 18 - 3BO	3	■	■	■	■	■	15 000	54	69	1920	6	3388	1028	5280
FJ 18 - 3S	3	■	■	■	■	■	15 000	54	69	■	Screw conveyer	3815	1028	5372
FJ 18 - 3SO	3	■	■	■	■	■	15 000	54	69	■	Screw conveyer	3815	1028	5372

FAN 100 - FAN 800

ventilators

Transport ventilators of several output ranges, specially designed for the extraction of air mass containing wood waste.

Advantages

- low purchase price
- high output ratings with economical motors
- high-quality welded, balanced rotor
- ventilator stands available

FAN 100 Plast



FAN 100



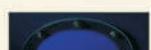
FAN 200



FAN 403



FAN 800



FAN 100 > FAN 800 - list of technical data

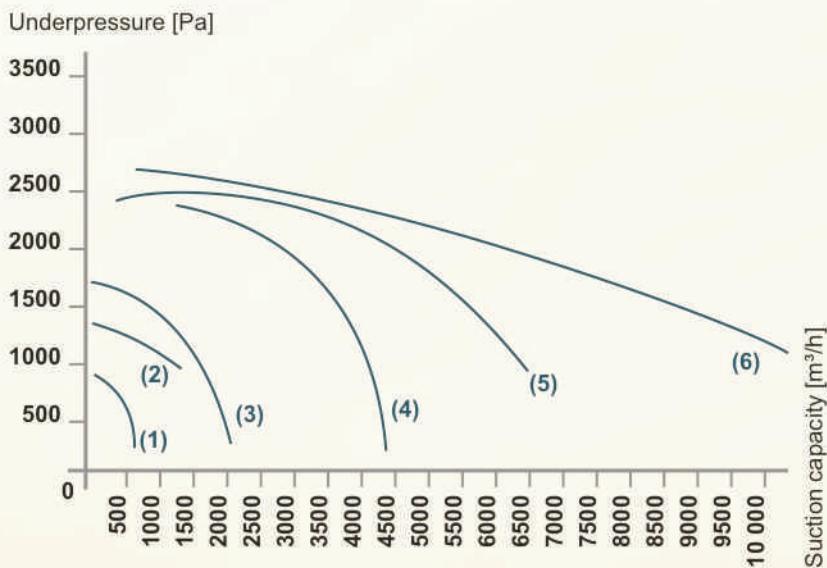
	characteristic	inlet diameter [mm]	outlet diameter [mm]	power input [kW]	voltage [V]	weight [kg]
FAN 100 Plast	1	90	100	0,37	230	9,5
FAN 100	2	100	130 x 130	0,37	230	16
FAN 200	3	150	135 x 135	1,1	400	25
FAN 400	4	250	165 x 165	2,2	400	46
FAN 403	5	250	220 x 220	2,2	400	48
FAN 800	6	320	290 x 290	6,5	400	88

[FAN 100 CH, FAN 200 CH - for suction of hot air mass of up to 300°C]

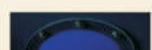


Stand for FAN 800

Overview of ventilator characteristics



Stand for FAN 403







Dust and sawdust extractors



Filtration unit



Briquetting presses

Briquetting presses

The AECO range of briquette presses is designed primarily for application in small or medium-sized joiner workshops. The briquette press serves the purpose of processing wood waste with a moisture content of 8-15% in order to produce briquettes (fuel) from sawdust, wood shavings and wood dust, using a hydraulic piston mechanism. The briquetting process reduces the volume of waste material by up to 90%. The benefits are savings in the storage area, the creation of a dust-free environment and easy transportation, all of which is achieved without bonding material.

Fuel efficiency of 1 kilogram of briquettes: 15 - 18 MJ/kg

AECO briquette presses are modern, fully automated machine systems. The computer of the control unit, in cooperation with the press mechanism, provides a constant quality of the briquettes and automated operation. All presses are fitted with a level sensor to monitor the level of the waste material in the feeding hopper of the briquette press.

The feeding hopper is designed for setup with filtration superstructures and a ventilator. This comprehensive, unmanned system of wood dust extraction from the machinery directly to the briquette press provides maximum convenience in the processing of your waste.

Material types suitable for briquetting

- Sawdust, wood shavings
- Wood and paper dust
- Milled paper
- Milled biomass
- Chaff, straw
- Waste from impregnated material – DTD, MDF



AECO - advantages and hallmarks

High briquette quality

- provides a high quality of combustion (low briquette residue) and maximum possible fuel efficiency.

Resistance to failure combined with a long operating life

- application of high-quality materials for the manufacturing of the press mechanism, its robust design, as well as modern technology and high-precision machining.

Ease of operation

- the entire process of briquetting is controlled by a computer.

Inspection and maintenance

- oil level reader and a counter of the machine hours are standard features of AECO presses.

Low operation cost

- low-consumption motors reduce the electricity costs to a minimum.

Hopper

- designed for use together with a filtration superstructure and a ventilator for the direct transport of waste to the briquetting press.

Hopper inspection door

- for inspection and easy access to the hopper body.

Left- or right-side mount

- upon the customer's request, we offer positioning of the press mechanism to accommodate the unit for a left- or right-side mount.

Outdoor operation

- when supplied with special oil, AECO briquetting presses are capable of operation outdoors at temperatures as low as -25 °C.

Low level sensor

- this feature turns the press off automatically once the level of the material in the hopper is too low.

After material is resupplied, the press resumes operation automatically.



straw



wood



hemp shives



hay



paper

27



Optional accessories

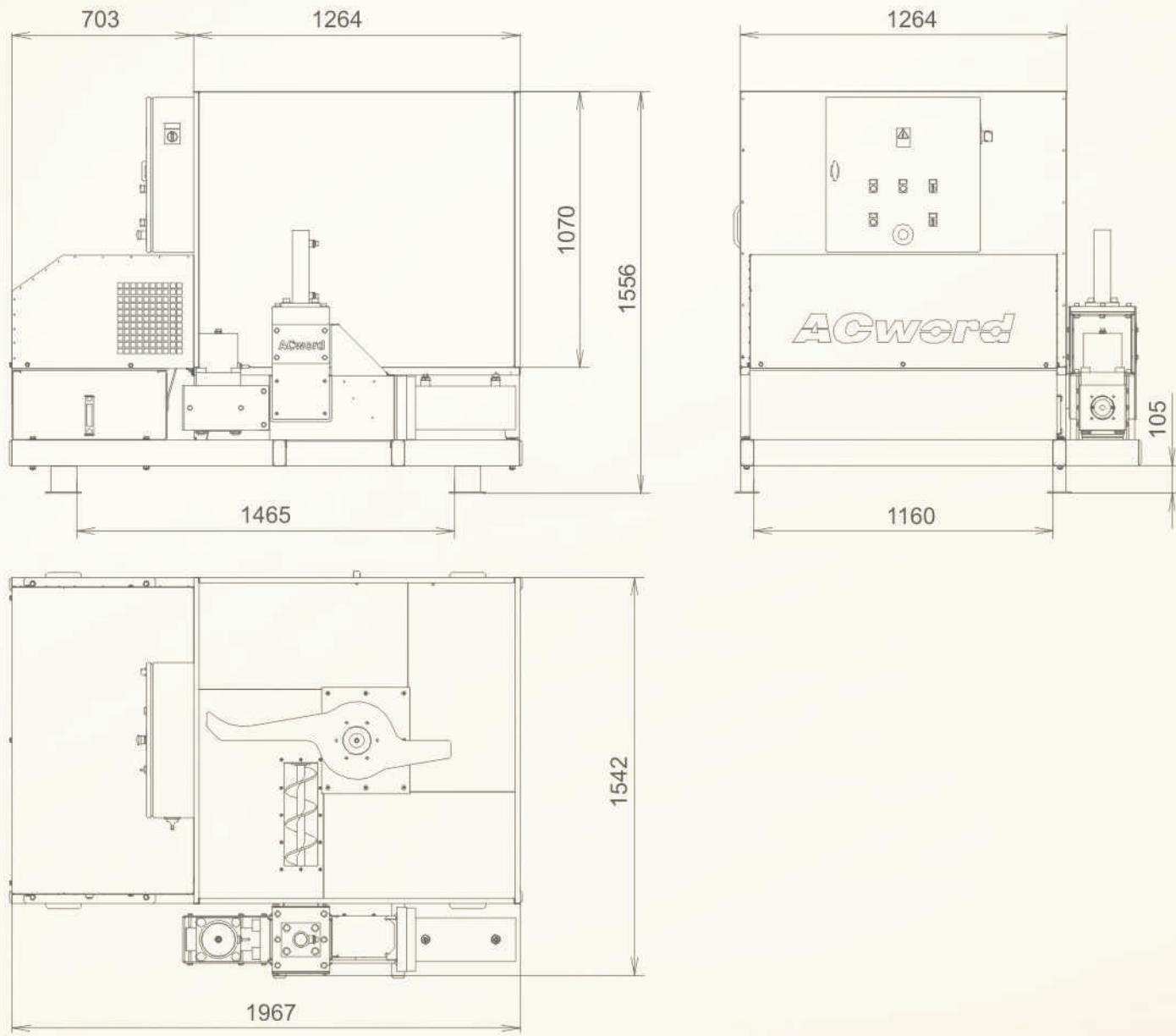
- Cooling system for continuous operation of the press
- Maximum material level sensor in the hopper
- Hopper corner fittings for more efficient utilization of the screw conveyor (usually in applications with a filtration superstructure)
- Jacket of the briquetting press for outdoor applications
- Hydraulic oil for outdoor applications and temperatures below -25 °C

AECO - list of technical data

	Press capacity [kg/h]	Briquet diameter [mm]	Power input [kW]	Oil cooling system	Weight [kg]	Hopper volume [m^3]	Filtration superstructures
AECO 30	20 - 40*	65	4,4	optional accessories	880	1,7	optional accessories
AECO 50	40 - 60*	65	5,4	optional accessories	890	1,7	optional accessories
AECO 70	50 - 80*	65	6,9	optional accessories	945	1,7	optional accessories
AECO 100	90 - 120*	65	9,3	yes	1205	1,7	optional accessories

* The press capacity depends on the material to be processed

Layout of briquetting presses AECO 30 - AECO 100



AECO - filtration superstructures for briquetting presses

In combining an AECO briquetting press, a filtration superstructure, and a ventilator, you obtain an automated, space-effective solution of extraction in your workshop, including maximum control convenience. We have designed a system for the extraction of wood-making machinery waste directly into the filtration superstructure on the hopper of the briquetting press; this system processes the extracted waste into briquettes automatically.

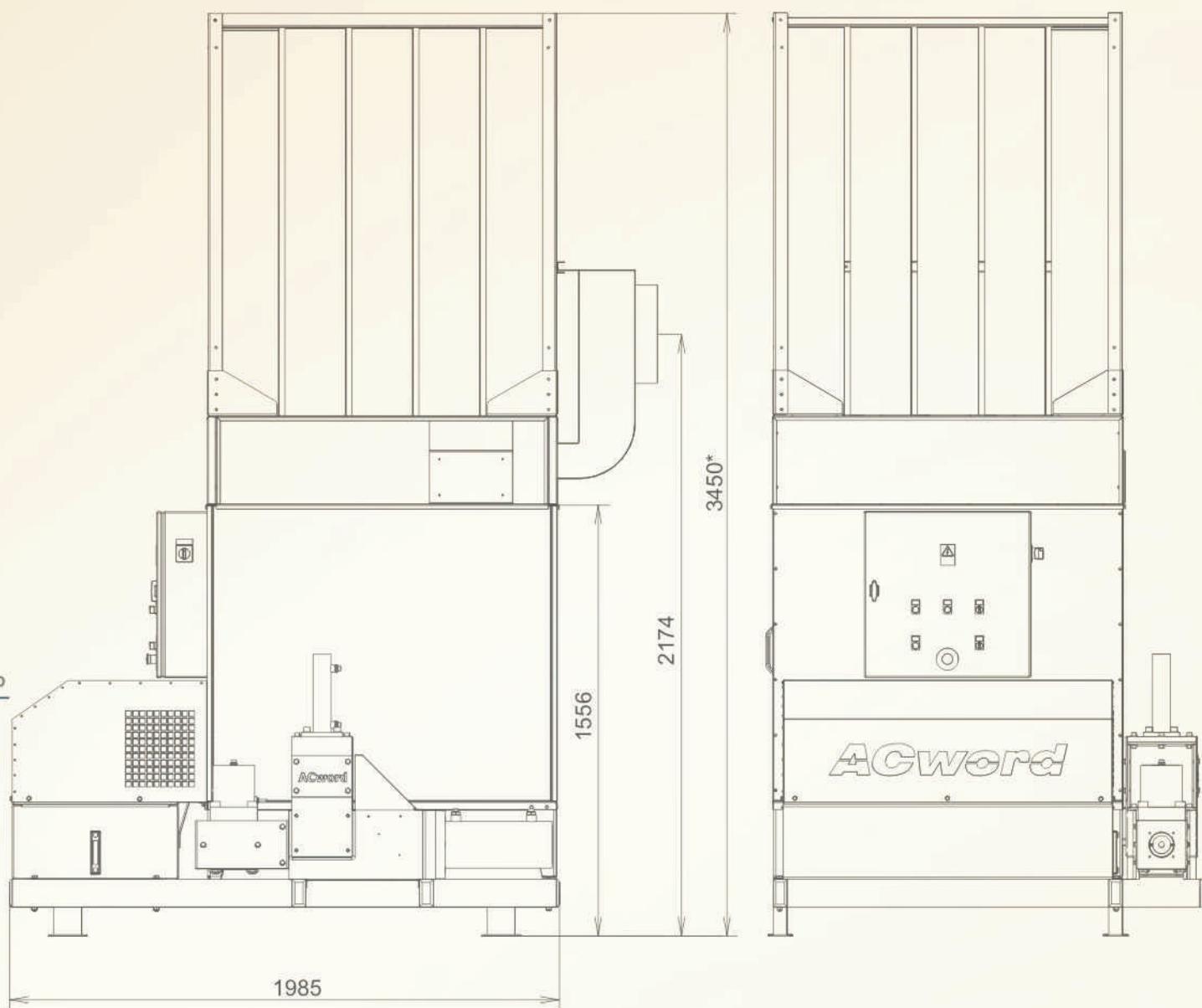
The advantages of filtration superstructures for AECO briquetting presses

- Optimum filtration area
- Automated operation
- Application of ventilators with low consumption of electricity
- Optional regeneration of filter hoses
- Optional modification of the superstructure height to fit the needs of your workshop
- Transfer of the dust from the machinery directly into the briquetting press
- Maximum economy in area occupancy (the system uses the clearance of your workshop)
- Limitation of heat loss
- Optional use of jacketed filtration superstructures for outdoor applications with optional air recuperation

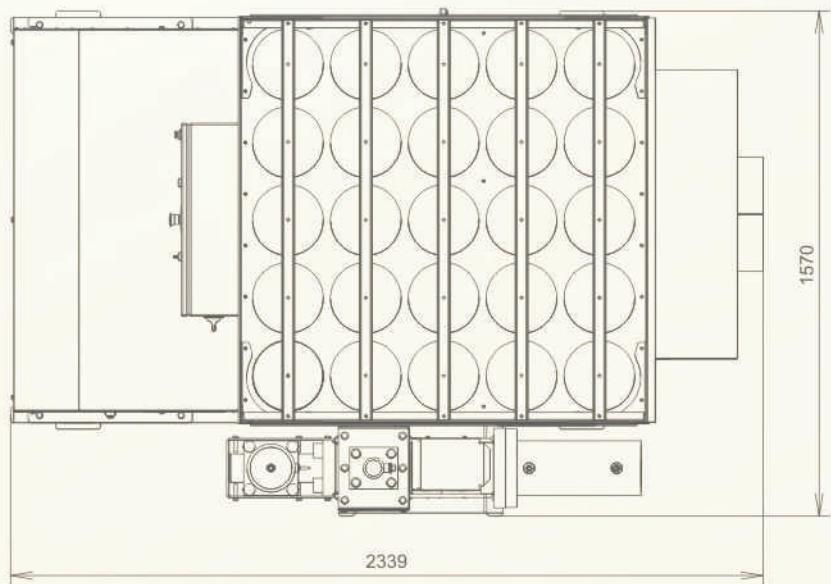


FJ 18-2 SO with screw conveyer and briquetting press AECO

AECO - layout of briquetting press AECO 30 - AECO 100 with filtration superstructure



* Height depends on the types of filtration superstructures





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