

CLEAN AIR FOR LIFE

ANDEX
Filter general catalog

Create a comfortable space

FILTER FOR SPRAY BOOTH

Creating a clean and comfortable work environment...

www.andex.co.jp/

ANDEX ORIGINAL FILTER

This is a filter exclusively for painting booths made by a manufacturer specializing in painting booths.

We accept orders starting from 1 piece in the size you need.

An air supply primary filter with a collection efficiency of 93% A flexible filter



©Collection efficiency 93%, heat resistant temperature 100°C high performance filter
©Genuine, reliable ANDEX booth product

1 Air supply primary filter

AD-330

Fire resistant

Filter specifications

Type	Air supply primary filter
Product No.	AD-330
Thickness (mm)	18.0±3.0
Original roll (m)	2.0×20
Air speed (m/sec)	1.5
Pressure loss (Pa)	45~250
Collection efficiency (%)	90
Dust retention capacity (g/m)	450
Material	Polyethylene terephthalate

5 mm thick, auxiliary filter which increases the life of air supply secondary filters.



2 Air supply primary filter

NF-100T

Fire resistant

Filter specifications

Type	Air supply primary filter
Product No.	NF-100T
Thickness (mm)	5.0±1.5
Original roll (m)	2.0×50
Air speed (m/sec)	2.5
Pressure loss (Pa)	11~206
Collection efficiency (%)	88
Dust retention capacity (g/m)	264
Heatproof temperature (°C)	100
Material	Polyester/Acrylic

Almost reliably removes visible particles (10 μm or larger). We purposely made a single layer to collect fine particles (10 μm or less in size).



© Comes with an adhesive that is resistant to vibration.
© Shrinkage rate of 0.5% or less after heat resistance test at 130°C for 720 hours.
© High quality products

4 Air supply secondary filter

PX-400

MAX 130°C

Fire resistant

Filter specifications

Type	Air supply secondary filter
Product No.	PX-400
Thickness (mm)	18.0±3.0
Original roll (m)	1.615×20
Air speed (m/sec)	0.5
Pressure loss (Pa)	45~400
Collection efficiency (%)	98
Dust retention capacity (g/m)	510
Heatproof temperature (°C)	100
Material	Polyester

※Please use at wind speed of around 0.5m/s.

High performance ceiling filter with a collection efficiency of 98%



With vibration-resistant adhesive

©Collection efficiency 98%, heat resistant temperature 120°C (max) high performance
©The AD-980 bears the reliable genuine ANDEX product mark

Fire resistant

3 Air supply secondary filter

AD-980



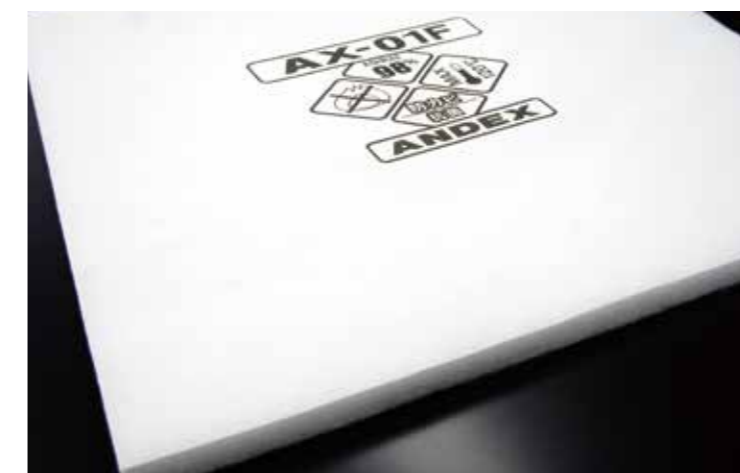
Filter specifications

Type	Air supply secondary filter
Product No.	AD-980
Thickness (mm)	20.0±3.0
Original roll (m)	1.61×20 / 2.02×20
Air speed (m/sec)	0.25
Pressure loss (Pa)	30~390
Collection efficiency (%)	98
Dust retention capacity (g/m)	450
Material	Polyethylene terephthalate

※Please use at wind speed of around 0.25m/s.

Prevent the growth of mold and bacteria

It suppresses the growth of mold during humidification and the rainy season, and is also proven to be effective against bacteria.



© This is the world's first secondary air supply filter that is kind to people and the environment.
© Comes with an adhesive that is resistant to vibration.

Fire resistant

Anti-mold and anti-bacterial

New product patent pending

5 Air supply secondary filter

AX-01F



Filter specifications

Type	Air supply secondary filter(ceiling filter)
Product No.	AX-01F
Thickness (mm)	20.0±3.0
Original roll (m)	2.02×20
Air speed (m/sec)	0.5
Pressure loss (Pa)	30~390
Collection efficiency (%)	98 (ASHRAE mass method)
Dust retention capacity (g/m)	450
Fire resistance (°C)	Is fire resistant (JACA No.11A-2003 Class3)
Material	Polyethylene terephthalate(Anti-fungal agent/antibacterial agent)

※Please use at wind speed of around 0.5m/s.

2mm pre-rolled filter that extends the life of downwind mounted exhaust filters. Available in 100m and 50m rolls.



6 Pre-roll Filters

AD40

Fire resistant

Filter specifications

Type	Pre-roll filter
Product No.	AD40
Thickness (mm)	2.0±0.5
Original roll (m)	0.5×100 0.9×100 1.0×100 1.5×100 1.8×100 2.0×100 0.9×50 1.0×50 1.5×50
Roll diameter (100m roll)	Outside-diameter 300 Inside-diameter 52
Roll diameter (50m roll)	Outside-diameter 230 Inside-diameter 52
Air speed (m/sec)	2.0
Pressure loss (Pa)	11~50
Collection efficiency (%)	40.0
Dust retention capacity (g/m)	95
Material	Polyethylene terephthalate

This is an exhaust filter with low pressure loss and good ventilation.



9 Exhaust filter

MS-320

Fire resistant

Filter specifications

Type	Exhaust filter
Product No.	MS-320
Thickness (mm)	20.0±3.0
Original roll (m)	1.6×20
Air speed (m/sec)	2.5
Pressure loss (Pa)	51~196
Collection efficiency (%)	78
Dust retention capacity (g/m)	608
Material	Polyethylene terephthalate

©Excellent dust retention capacity reduces replacement frequency.

3.5mm pre-rolled filter extends the life of the exhaust filter installed downwind.



7 Pre-roll Filters

AD70

Fire resistant

Filter specifications

Type	Pre-roll filter
Product No.	AD70
Thickness (mm)	3.5±0.5
Original roll (m)	0.5×100 1.0×100 1.5×100 2.0×100
Roll diameter	Outside-diameter 550 Inside-diameter 45
Air speed (m/sec)	2.5
Pressure loss (Pa)	31~100
Collection efficiency (%)	50.0
Dust retention capacity (g/m)	114
Material	Polyethylene terephthalate

This is a medium performance filter with a thickness of 23mm. It can remove harmful substances such as extremely small particles from paint mist and chromic acid.



10 Medium performance filter

IDN500

Fire resistant

Filter specifications

Type	Medium performance filter
Product No.	IDN500
Thickness (mm)	23.0±3.0
Original roll (m)	2.0×20
Air speed (m/sec)	2.5
Pressure loss (Pa)	120~300
Collection efficiency (%)	98% (3 μm particles)
Dust retention capacity (g/m)	210
Material	Polyester

The exhaust filter is marked by a blue wall. A breathable film is used instead of a net, so it can be replaced easily.



8 Exhaust filter



Fire resistant

Filter specifications

Type	Exhaust filter
Product No.	AD-2000
Thickness (mm)	25.0±4.0
Original roll (m)	1.6×20
Air speed (m/sec)	2.5
Pressure loss (Pa)	75~250
Collection efficiency (%)	85.0
Dust retention capacity (g/m)	527
Material	Polyethylene Polypropylene

Resolves the difficulties in handling and disposing of glass fiber products!



11 Floor filter



Fire resistant

Filter specifications

Type	Floor filter
Product Name	Non-Glass Filter
Product No.	GP-50
Thickness (mm)	50.0±5.0
Original roll (m)	2.0×21
Air speed (m/sec)	1.5
Pressure loss (Pa)	30~70
Collection efficiency (%)	73
Dust retention capacity (g/m)	580
Material	Polyethylene terephthalate

©Can be disposed of in the ordinary manner in regions where disposal of glass fibers has become difficult.
©No worries about damaging the skin during installation and other work.

Fire resistant! Low pressure loss! The ideal rough filter



25N

- ◎Fire resistant so can be used for coating work.
- ◎Has good air permeability, so can be used in coating using rough particles and highly adhesive coatings.
- ◎Can also be used as a prefilter to increase the lifespan of exhaust filters.
- ◎Has high dust retention capacity which reduces replacement frequency.
- ◎Is strong but flexible allowing it to fit well into filter frames.

12 Non-palm filter



Fire resistant

Filter specifications

Type	Non-palm filter
Product Name	Non-palm
Product No.	NP-25N
Thickness (mm)	25 ± 5.0
Original roll (m)	1.0 × 2.0
Air speed (m/sec)	1.0
Pressure loss (Pa)	4 ~ 8
Collection efficiency (%)	25
Dust retention capacity (g/m ²)	404
Material	Polyethylene terephthalate

Fire resistant! Low pressure loss! The ideal rough filter



50N

- ◎Fire resistant so can be used for coating work.
- ◎Has good air permeability, so can be used in coating using rough particles and highly adhesive coatings.
- ◎Can also be used as a prefilter to increase the lifespan of exhaust filters.
- ◎Has high dust retention capacity which reduces replacement frequency.
- ◎Is strong but flexible allowing it to fit well into filter frames.

13 Non-palm filter

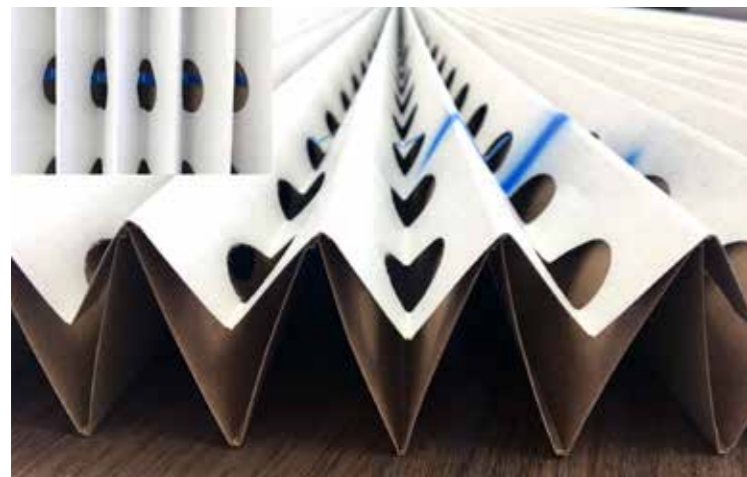


Fire resistant

Filter specifications

Type	Non-palm filter
Product Name	Non-palm
Product No.	NP-50N
Thickness (mm)	50 ± 8.0
Original roll (m)	1.0 × 2.0
Air speed (m/sec)	1.0
Pressure loss (Pa)	7 ~ 14
Collection efficiency (%)	46
Dust retention capacity (g/m ²)	515
Material	Polyethylene terephthalate

It dries slowly and is ideal for collecting large particles of paint mist.



- ◎With specially processed pleats, it has a high dust retention capacity of 5 to 18 kg/m².
- ◎Cannot be used with phthalate-based or alkyd-based paints.

14 Accordion filter

AF113

Filter specifications

Type	Accordion filter
Product No.	AF113
Thickness (mm)	65.0 ± 5.0
Original roll (m)	1.0 × 10
Air speed (m/sec)	0.5
Pressure loss (Pa)	20 ~ 128
Collection efficiency (%)	90 (For water-based paints)
Dust retention capacity (g/m ²)	18,000 (For water-based paints)
Heatproof temperature (°C)	130
Material	With extended limiter

※Please use at a wind speed of 1m/s or less.

15 Air supply primary filter PS/600N

A 20 mm thick prefilter. Fire resistant and can be washed and recycled.

The density gradient structure reduces pressure loss. It can be used for a long period of time while maintaining a high collection rate.



※It is colored

Fire resistant

Filter specifications

Type	Air supply primary filter
Product No.	PS/600N
Thickness (mm)	20.0 ± 3.0
Original roll (m)	1.6 × 20
Air speed (m/sec)	2.5
Pressure loss (Pa)	93 ~ 200
Collection efficiency (%)	82
Dust retention capacity (g/m ²)	377
Heatproof temperature (°C)	80
Material	Polyester/Modacrylic

We accept orders starting from 1 piece in the size you need.

16 Air supply primary filter PS/400N

A 14 mm thick prefilter. Fire resistant and can be washed and recycled.

The density gradient structure reduces pressure loss. It can be used for a long period of time while maintaining a high collection rate.



※It is colored

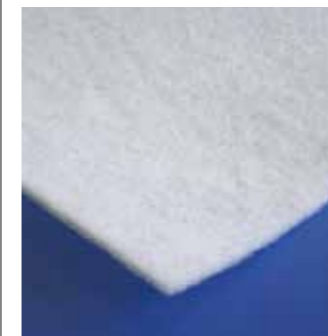
Fire resistant

Filter specifications

Type	Air supply primary filter
Product No.	PS/400N
Thickness (mm)	14.0 ± 2.0
Original roll (m)	1.6 × 20
Air speed (m/sec)	2.5
Pressure loss (Pa)	64 ~ 200
Collection efficiency (%)	76
Dust retention capacity (g/m ²)	403
Heatproof temperature (°C)	80
Material	Polyester/Modacrylic

17 Air supply primary filter PS/300N

A 10 mm thick prefilter. Fire resistant and can be washed and recycled.



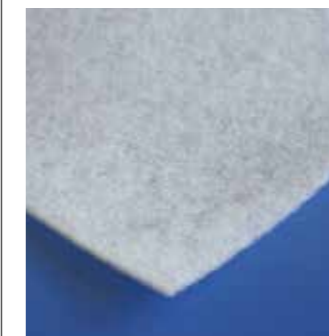
Fire resistant

Filter specifications

Type	Air supply primary filter
Product No.	PS/300N
Thickness (mm)	10.0 ± 2.0
Original roll (m)	1.6 × 30
Air speed (m/sec)	2.5
Pressure loss (Pa)	54 ~ 200
Collection efficiency (%)	73
Dust retention capacity (g/m ²)	438
Heatproof temperature (°C)	80
Material	Polyester/Modacrylic

18 Air supply primary filter PS/150N

An 8 mm thick prefilter. Fire resistant and can be washed and recycled.



Fire resistant

Filter specifications

Type	Air supply primary filter
Product No.	PS/150
Thickness (mm)	8.0 ± 2.0
Original roll (m)	1.6 × 30
Air speed (m/sec)	2.5
Pressure loss (Pa)	30 ~ 200
Collection efficiency (%)	63
Dust retention capacity (g/m ²)	441
Heatproof temperature (°C)	80
Material	Polyester/Modacrylic

19 Auto roll filter FR-585BL

Has adhesive applied to increase dust collection efficiency. It can be used for auto-rolls, mainly for the purpose of removing sand and dust.

We also have the FR-585C, which can be cut to size. Square paper tube.



Fire resistant

Filter specifications

Type	Auto roll filter
Product No.	FR-585BL FR-585SL
Thickness (mm)	18.0 ± 3.0
Original roll (m)	0.83 × 20, 1.13 × 20, 1.4 × 20
Air speed (m/sec)	2.5
Pressure loss (Pa)	57 ~ 200
Collection efficiency (%)	85
Dust retention capacity (g/m ²)	697
Heatproof temperature (°C)	60
Material	Polyolefin

20 Exhaust filter FR-580

This exhaust filter has a large dust retention capacity and can capture 82% of particles of 10 μm, but it is not difficult to use.



Filter specifications

Type	Exhaust filter
Product No.	FR-580
Thickness (mm)	20.0 ± 3.0
Original roll (m)	1.6 × 20
Air speed (m/sec)	2.5
Pressure loss (Pa)	54 ~ 200
Collection efficiency (%)	80
Dust retention capacity (g/m ²)	984
Material	Polyolefin

We accept orders starting from 1 piece in the size you need.

21 Air supply secondary filter **PA/305HL**

Visually visible coarse particles (10µm or more) can be almost certainly removed.



Fire resistant

■Filter specifications

Type	Air supply secondary filter
Product No.	PA/305HL
Thickness (mm)	19.0±3.0
Original roll (m)	1.6×20
Air speed (m/sec)	0.5
Pressure loss (Pa)	45~400
Collection efficiency (%)	98
Dust retention capacity (g/m)	524
Heatproof temperature (°C)	80
Material	ポリオレフィン

22 Air supply secondary filter **PA/350HL**

A filter with adhesive that almost reliably removes visible coarse particles (10 µm or more).



Fire resistant

■Filter specifications

Type	Air supply secondary filter
Product No.	PA/350HL
Thickness (mm)	18.0±3.0
Original roll (m)	1.6×20
Air speed (m/sec)	0.5
Pressure loss (Pa)	45~400
Collection efficiency (%)	98
Dust retention capacity (g/m)	505
Material	Polyolefin

27 Air supply primary filter **WF-600**

18 mm thick air supply filter. Fire resistant and can be washed and recycled.



Fire resistant

■Filter specifications

Type	Air supply primary filter
Product No.	WF-600
Thickness (mm)	18.0±3.0
Original roll (m)	1.6×20
Air speed (m/sec)	2.5
Pressure loss (Pa)	88~196
Collection efficiency (%)	82
Dust retention capacity (g/m)	369
Heatproof temperature (°C)	100
Material	Polyester/Acrylic

28 Air supply primary filter **WF-400**

13 mm thick air supply filter. Fire resistant and can be washed and recycled.



Fire resistant

■Filter specifications

Type	Air supply primary filter
Product No.	WF-400
Thickness (mm)	13.0±2.0
Original roll (m)	1.6×20
Air speed (m/sec)	2.5
Pressure loss (Pa)	57~196
Collection efficiency (%)	76
Dust retention capacity (g/m)	418
Heatproof temperature (°C)	100
Material	Polyester/Acrylic

23 Heat resistant filter **AI-100W**

Heat-resistant air filter for drying ovens. Made of special synthetic fiber, it has a heat resistance temperature of 240°C and maintains its filter performance even at high temperatures. P I-100W, which is heat resistant to 300°C, is also available.



Fire resistant

■Filter specifications

Type	Heat resistant filter
Product No.	AI-100W
Thickness (mm)	20.0±3.0
Original roll (m)	0.5×0.5 / 0.8×0.8
Air speed (m/sec)	1.0
Pressure loss (Pa)	45~200
Collection efficiency (%)	90
Dust retention capacity (g/m)	324
Heatproof temperature (°C)	240
Material	Aromatic polyamide

※We can manufacture sizes smaller than 1m x 1m.

24 Heat resistant filter **AE-100**

It efficiently filters tar, soot, rust, etc. generated in the drying oven, and prevents contamination of the product surface that occurs during drying.



Fire resistant

■Filter specifications

Type	Heat resistant filter
Product No.	AE-100
Thickness (mm)	10.0±2.0
Original roll (m)	1.6×20
Air speed (m/sec)	1.0
Pressure loss (Pa)	25~200
Collection efficiency (%)	88.0
Dust retention capacity (g/m)	440
Heatproof temperature (°C)	180
Material	Aromatic polyamide

29 Air supply primary filter **WF-300**

10 mm thick air supply filter. Fire resistant and can be washed and recycled.



Fire resistant

■Filter specifications

Type	Air supply primary filter
Product No.	WF-300
Thickness (mm)	10.0±2.0
Original roll (m)	1.6×30
Air speed (m/sec)	2.5
Pressure loss (Pa)	49~196
Collection efficiency (%)	72
Dust retention capacity (g/m)	432
Heatproof temperature (°C)	100
Material	Polyester

30 Air supply primary filter **WF-150**

7 mm thick air supply filter. Fire resistant and can be washed and recycled.



Fire resistant

■Filter specifications

Type	Air supply primary filter
Product No.	WF-150
Thickness (mm)	7.0±2.0
Original roll (m)	1.6×30
Air speed (m/sec)	2.5
Pressure loss (Pa)	29~196
Collection efficiency (%)	57
Dust retention capacity (g/m)	314
Heatproof temperature (°C)	100
Material	Polyester

25 Long life filter **FS-1705**

Low pressure loss, high efficiency, large dust retention capacity, perfect for air conditioning and equipment maintenance.

※FS-1710/FS-1705W (white) also available.



Fire resistant

■Filter specifications

Type	Long life filter
Product No.	FS-1705 FS-1705W
Thickness (mm)	5.5±1.5
Original roll (m)	1.0×50
Air speed (m/sec)	2.5
Pressure loss (Pa)	20~200
Collection efficiency (%)	68
Dust retention capacity (g/m)	218
Heatproof temperature (°C)	60
Material	Polyester/Modacrylic

26 Long-life filter **FS-1710**

Low pressure loss, high efficiency, and large dust retention make it ideal for air conditioning and equipment maintenance. Can be cleaned and reused.



Fire resistant

■Filter specifications

Type	Long-life filter
Product No.	FS-1710
Thickness (mm)	11.0±2.0
Original roll (m)	1.0×50
Air speed (m/sec)	2.5
Pressure loss (Pa)	35~200
Collection efficiency (%)	74
Dust retention capacity (g/m)	222
Material	Polyamide/Modacrylic

31 Auto roll filter **WF-585**

Has adhesive applied to increase dust collection efficiency.

There are front and back rolls. Square paper tube.



Fire resistant

■Filter specifications

Type	Exhaust filter
Product No.	WF-585
Thickness (mm)	20.0±3.0
Original roll (m)	0.83×20, 1.13×20, 1.4×20
Air speed (m/sec)	2.5
Pressure loss (Pa)	59~390
Collection efficiency (%)	85
Dust retention capacity (g/m)	765
Heatproof temperature (°C)	100
Material	Polyester

※Tensioned and then rolled.

32 Air supply secondary filter **WF-305**

Reliably removes nearly all visible particles (10µm and greater)



Fire resistant

■Filter specifications

Type	Air supply secondary filter
Product No.	WF-305
Thickness (mm)	20.0±3.0
Original roll (m)	1.6×20
Air speed (m/sec)	0.5
Pressure loss (Pa)	44~390
Collection efficiency (%)	98
Dust retention capacity (g/m)	520
Heatproof temperature (°C)	100
Material	Polyester

We accept orders starting from 1 piece in the size you need.

33 Air supply secondary filter **WF-350**

A filter with adhesive that can almost certainly remove visible coarse particles (10µm or more).

Fire resistant



■ Filter specifications

Type	Air supply secondary filter
Product No.	WF-350
Thickness (mm)	20.0±3.0
Original roll (m)	1.6×20
Air speed (m/sec)	0.5
Pressure loss (Pa)	44~390
Collection efficiency (%)	98
Dust retention capacity (g/m)	520
Heatproof temperature (°C)	100
Material	Polyester

36 Heat resistant filter **WF-100W**

An air filter for drying furnaces. Can be cut to required sizes.

It is wound under tension so is about 12mm thick, but when heated it returns to its original thickness.

Fire resistant



■ Filter specifications

Type	Heat resistant filter
Product No.	WF-100W
Thickness (mm)	18
Original roll (m)	1.6×20
Air speed (m/sec)	1.0
Pressure loss (Pa)	42~390
Collection efficiency (%)	90
Dust retention capacity (g/m)	423
Heatproof temperature (°C)	240
Material	m-aramid

39 General regeneration filter **ML410RF**

This is a 20mm thick air supply filter. It is fire retardant and can be washed and recycled. Density gradient structure can suppress pressure loss.

Fire resistant



■ Filter specifications

Type	General regeneration filter
Product No.	ML410RF
Thickness (mm)	20.0±3.0
Original roll (m)	1.6×20
Air speed (m/sec)	2.5
Pressure loss (Pa)	93~
Collection efficiency (%)	82
Material	Polyester / Acrylic

40 General regeneration filter **ML310RF**

This is a 15mm thick air supply filter. It is fire retardant and can be washed and recycled. Density gradient structure can suppress pressure loss.

Fire resistant



■ Filter specifications

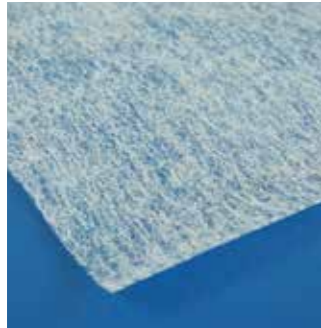
Type	General regeneration filter
Product No.	ML310RF
Thickness (mm)	15.0±2.0
Original roll (m)	1.6×20
Air speed (m/sec)	2.5
Pressure loss (Pa)	65~
Collection efficiency (%)	76
Material	Polyester / Acrylic

A roll type thin exhaust prefilter which works as an auxiliary filter that increases the lifespan of exhaust secondary filters.

34 Preroll filter **WF-40**

WF-40 is 1.0 mm thick.

Fire resistant



■ Filter specifications

Type	Preroll filter
Product No.	WF-40
Roll external diameter	300 (Inside diameter52)
Thickness (mm)	2.0±0.3
Original roll (m)	1.0×100, 1.5×100, 2.0×100
Air speed (m/sec)	2.0
Pressure loss (Pa)	16~40
Dust retention capacity (g/m)	—
Heatproof temperature (°C)	100
Material	Polyester

37 Air supply filter Exhaust Filter **WF-3**

A filter that can be used for air supply and exhaust.

Fire resistant



■ Filter specifications

Type	Air supply filter / Exhaust Filter
Product No.	WF-3
Thickness (mm)	18.0±3.0
Original roll (m)	1.6×20
Air speed (m/sec)	2.5
Pressure loss (Pa)	53~196
Collection efficiency (%)	70
Dust retention capacity (g/m)	196
Heatproof temperature (°C)	80
Material	Polyethylene terephthalate

41 General regeneration filter **ML200RF**

This is a 10mm thick air supply filter. It is fire retardant and can be washed and recycled.

Fire resistant



■ Filter specifications

Type	General regeneration filter
Product No.	ML200RF
Thickness (mm)	10.0±2.0
Original roll (m)	1.6×30
Air speed (m/sec)	2.5
Pressure loss (Pa)	55~
Collection efficiency (%)	70
Material	Polyester / Acrylic

42 General regeneration filter **ML150RF**

This is a 7mm thick air supply filter. It is fire retardant and can be washed and recycled.

Fire resistant



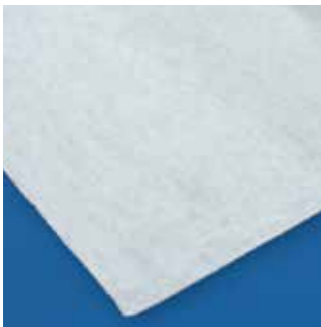
■ Filter specifications

Type	General regeneration filter
Product No.	ML150RF
Thickness (mm)	7.0±2.0
Original roll (m)	1.6×50
Air speed (m/sec)	2.5
Pressure loss (Pa)	30~
Collection efficiency (%)	60
Material	Polyester / Acrylic

35 Preroll filter **WF-70**

WF-70 is 2.5 mm thick.

Fire resistant



■ Filter specifications

Type	Preroll filter
Product No.	WF-70
Roll external diameter	550 (Inside diameter45)
Thickness (mm)	3.5±0.5
Original roll (m)	1.0×100, 1.5×100, 2.0×100
Air speed (m/sec)	2.5
Pressure loss (Pa)	31~100
Collection efficiency (%)	50
Dust retention capacity (g/m)	114
Heatproof temperature (°C)	100
Material	Polyester/Modacrylic

38 Air supply secondary filter **WF-305X**

There is no film on the surface, but it has a two-layer density gradient structure.

Fire resistant



■ Filter specifications

Type	Air supply secondary filter
Product No.	WF-305X
Thickness (mm)	18.0±3.0
Original roll (m)	1.6×20
Air speed (m/sec)	0.5
Pressure loss (Pa)	35~390
Collection efficiency (%)	98
Dust retention capacity (g/m)	588
Heatproof temperature (°C)	80
Material	Polyester

43 Air supply secondary filter **ML305XF**

This is a secondary air supply filter with tricot. This prevents the fibers of the filter itself from falling.

Fire resistant



■ Filter specifications

Type	Air supply secondary filter
Product No.	ML305XF
Thickness (mm)	18.0±3.0
Original roll (m)	1.6×20
Air speed (m/sec)	0.5
Pressure loss (Pa)	35~
Collection efficiency (%)	98
Material	Polyester

44 Air supply secondary filter **ML320XF**

Although there is no film on the surface, it has a two-layer density gradient structure and has excellent cost performance.

Fire resistant



■ Filter specifications

Type	Air supply secondary filter
Product No.	ML320XF
Thickness (mm)	18.0±3.0
Original roll (m)	1.6×20
Air speed (m/sec)	0.5
Pressure loss (Pa)	35~
Collection efficiency (%)	98
Heatproof temperature (°C)	80
Material	Polyester

We accept orders starting from 1 piece in the size you need.

45 Cosmo filter CM-22-M-L-50

It is characterized by a large amount of dust retention due to the glass fiber filter.

Please contact us for other sizes. Also available with adhesive.



Heatproof temperature 40°C

Filter specifications

Type	Cosmo filter
Product No.	CM-22-M-L-50
Thickness (mm)	50
Original roll (m)	0.5×0.5
Air speed (m/sec)	2.5
Pressure loss (Pa)	59~137
Collection efficiency (%)	85
Dust retention capacity (g/m)	1200
Material	Glass fiber

46 Craft filter

An exhaust filter made from a combination of fireproof processed paper of 2 different coarsenesses which has high collection efficiency and dust retention capacity.



Fire resistant

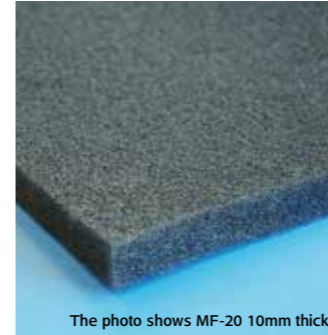
Filter specifications

Type	Craft filter
Product No.	Kr500
Thickness (mm)	25.0±3.0
Original roll (m)	0.5×0.5
Air speed (m/sec)	1.0
Pressure loss (Pa)	100(Initial pressure loss)
Collection efficiency (%)	95~98 (for water based coatings)
Dust retention capacity (g/m)	3,680 (for water based coatings)
Heatproof temperature (°C)	80
Material	Fire resistant processed paper

※We also offer a low pressure loss type. Kr500c 46Pa (Initial pressure loss)

49 Urethane filter

Sponge type filter which is used by combining filters of different cell numbers.



The photo shows MF-20 10mm thick

Filter specifications

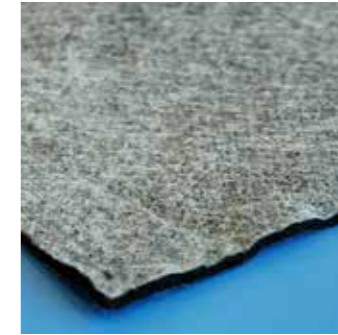
Type	Urethane filter
Product No.	MF-08.13.20.30.40.50
Thickness (mm)	5, 10, 15, 20, 25
Original roll (m)	1.0×2.0
Material	Polyurethane foam

※MF-20 has 20 cells (bubbles) per 25 mm.

We accept orders starting from 1 piece in the size you need.

50 Active carbon filter ATS-B150-500X

By covering both sides of the fiber shaped active carbon with non-woven sheeted filter material makes it effective for organic solvent and general odors.



Filter specifications

Type	Active carbon filter
Product No.	ATS-B150-500X
Thickness (mm)	2
Original roll (m)	0.5×0.5 1.3×50
Material	Active carbon fiber sheets

47 Viny Rock filter

Has fiber columns meshed vertically and horizontally at random and good air permeability making this filter good at shedding water after washing.



Fire resistant

Filter specifications

Type	Viny Rock	Viny Rock
Product No.	WB-25	WB-50
Thickness (mm)	25.0±3.0	50.0±5.0
Original roll (m)	1.0×2.0	1.0×2.0
Air speed (m/sec)	2.5	2.5
Pressure loss (Pa)	15 (Initial pressure loss)	30 (Initial pressure loss)
Collection efficiency (%)	52	66
Dust retention capacity (g/m)	-	-
Heatproof temperature (°C)	60	60
Material	Vinylidene chloride	Vinylidene chloride

48 Saran rock OM-150

It is a three-dimensional non-woven fabric with strong chemical resistance, high flame retardancy, excellent elasticity recovery, and almost no water absorption.



Fire resistant

Filter specifications

Type	Saran rock
Product No.	OM-150
Thickness (mm)	25.50
Original roll (m)	1.0×2.0
Air speed (m/sec)	2.5
Pressure loss (Pa)	40~147 (50t)
Collection efficiency (%)	38 (50t) JIS9880
Material	Saran fiber

51 Double layer type filter ML170XF for painting booth

ML170XF is a double layer type 8mm thick filter. Used at wind speeds around 1.0m/s.



Fire resistant

Filter specifications

Type	For painting booth
Product No.	ML170XF
Thickness (mm)	8.0±2.0
Original roll (m)	1.6×2.0
Air speed (m/sec)	1.0
Pressure loss (Pa)	40~
Collection efficiency (%)	92
Material	Polyester

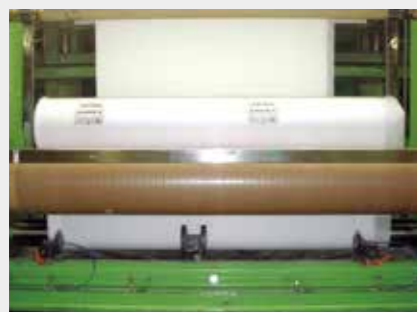
52 Granular active carbon

Has adsorption power suited for solvents and general odors and is also highly solid which prevents generation of fine particles.



Granule size (mesh)	95 or greater
Packing density (g/ml)	0.45~0.5
Hardness (%)	>98
Benzene adsorption (%)	>35
Packaging	10kg / bag

ANDEX Filter features



Manufacturing on a dedicated line



Shrink tunnel



A vertical cutter that can also cut into rounds.

☉Ships the next day after ordering (excluding bulk orders and peak seasons)



Automatic cutting machine



Die cutting

☉Ships the required size starting from 1 piece



shipping

We accept orders starting from 1 piece in the size you need.

53 Pocket filter

Making the filter a pocket increases the collection area which increases the filters lifespan and allows for the supply and exhaust air units to be made more compact.



54 Filter frames

We offer aluminum case frames and steel frames. Steel frames can be linked using bolts or hooks.



Type	Aluminum filter frame
Thickness (mm)	15-20-25-50
Size (m)	0.5×0.5
※Sizes can be changed. Includes clamping mesh	
Type	Steel filter frame
Thickness (mm)	50
Size (m)	0.5×0.5
※0.5×0.5 frames can be connected (bolts, hooks). Includes clamping mesh and rubber	

55 Salt removal filter

It collects the center diameter (2~7 μm) of sea salt particles, and even if they deliquesce, they are water repellent and prevent re-scattering. Since the outer frame is made of resin, it is resistant to corrosion and rust.



■Filter specifications

Type	Salt damage prevention performance
Product No.	VM-X-P-95M-56F
Collection efficiency (%)	Medium performance 95.0
Original roll (mm)	610×610×150
Air speed (mm/min)	56
Pressure loss (Pa)	140~300
Weight (kg)	4.2

56 Medium capacity filter

An air filter which has medium collection efficiency for particles of mainly diameter size 5μm or smaller.



■Filter specifications

Type	Standard medium performance
Product No.	AST-56-90
Collection efficiency (%)	Medium performance 90
Original roll (mm)	610×610×290
Air speed (mm/min)	56
Pressure loss (Pa)	127~314
Weight (kg)	8.0

57 High capacity filter

An air filter which has a particle collection efficiency of 99.97% and higher for particle diameters of 0.3μm and initial pressure loss of 245 Pa or less.



■Filter specifications

Type	Standard HEPA
Product No.	ATM-31-PA
Collection efficiency (%)	99.97 at 0.3 μm
Original roll (mm)	610×610×290
Air speed (mm/min)	31
Pressure loss (Pa)	245~490
Weight (kg)	14.0

58 ADC Filter

Cartridge filter for ADC dust collector ultra web (Ultra -Web) 99.95% collection efficiency for dust with an average particle size of 2μm.



The photo shows a triangle type
※Pulse cleaning compatible product

Three types of filters are available depending on the dust collector.

1. Oval type
2. Triangle type
3. Circle type

Collection efficiency : 99.95% (JIS 11types)
Initial pressure drop : 50Pa
Fire retardant specifications

※Ultra-web is a registered trademark of Donaldson Company, USA.



Pressure loss measuring device

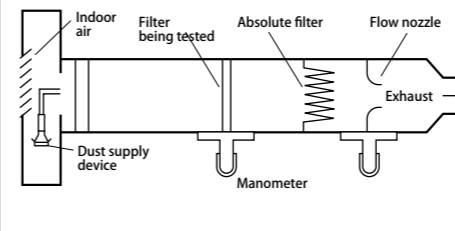
■About ASHRAE mass method collection rate

Mass method collection efficiency is calculated based on the amount of dust collected on the absolute filter after passing the ASHRAE test dust through the filter being tested. The formula for this is as follows.

$$E_w = \left(1 - \frac{W_2}{W_1} \right) \times 100 (\%)$$

E_w = Mass method collection efficiency (%)
 W_1 = Amount of dust used
 W_2 = Amount of dust collected on absolute filter

■Overview diagram of the equipment used to find mass method collection efficiency



●Test dust (ASHRAE mass method)

Used dust	Mass Percentage	Composition
Arizona Road Dust	72%	00-05 μm 39%
		05-10 μm 18%
		10-20 μm 16%
		20-30 μm 12%
		30-40 μm 06%
40-75 μm 09%		
Carbon black	23%	0.03~0.20 μm
Cotton linter	5%	Diameter 1.5 μm Length 1mm or less

■How to measure dust collection efficiency

Dust collection efficiency is the most important number to express the efficiency of an air purifier. There are three methods for measuring dust collection efficiency, depending on the size of the suspended dust particles.

(1) Mass method

This method measures the amount of dust collected out of the amount of dust supplied to the product being tested to determine efficiency. For the amount of dust, calculate the mass in basis. It is mainly used for testing coarse dust filters that target particles larger than 10 μm.

(2) Colorimetric method

This method measures the dust concentration on the upstream side and downstream side of the test item, and calculates the dust collection efficiency from the ratio. To measure dust concentration, collect dust on a filter paper, measure the optical density of the filter paper using spectrophotometry, and convert it to dust concentration (mass concentration). It is mainly used for testing medium-performance filters targeting particles with a particle size of 1 μm to 10 μm.

(3) Counting method

Similar to the colorimetric method, this method measures the dust concentration on the upstream side and downstream side of the test item and calculates the dust collection efficiency from the ratio. However, the dust concentration is determined by number concentration using a light scattering automatic particle counter. It is mainly used to test high-performance filters and electronic air purifiers that target particles of 1 μm or less.

The latest inspection method is JIS B 9908: 2019, but the performance in this catalog is based on JIS B 9908: 2001.

■About flammability test method

"Flammability test method JACA No. 11A-2003" is a test in which a sample filter terminal is exposed to flame for 60 seconds under specified test conditions, burning rate, after-flame time, residual dust time, ignition due to molten drippings, and burning distance. This is a method to measure the flammability of filter media.

● Burning rate calculation formula

(1) If the tip of the damaged part, such as after-flame or residual dust, exceeds the 125 mm mark, calculate the burning velocity V using the following formula.

$$V = 6000 / t_b \text{ (mm/min)}$$

t_b : Burning time (s)

(2) If the tip of the damaged part due to after-flame or residual dust combustion exceeds the 60mm mark but does not exceed the 125mm mark, calculate the burning velocity V using the following formula.

$$V = 60L_d / t_b \text{ (mm/min)}$$

L_d : Burning distance (mm)
 t_b : Burning time (s)

(3) Calculate the average value for the 5 specimens.

● Classification

	Class1	Class2	Class3
Burning rate V (mm/min)	40mm/min below (≦40)	Not applicable	Not applicable
After-flame time (s)	Not applicable	4/ Less than 2 seconds (≦2s)	4/ Less than 2 seconds (≦2s)
Dust residual time for all specimens (s)	Not applicable	1/5s less than 10 seconds (≦10s)	1/5s less than 10 seconds (≦10s)
Ignition of marker cotton by molten drips	Not applicable	Can be	Not applicable
Burning distance for all specimens Ld (mm)	35mm or more (≧35)	35mm or less (≦35)	35mm or less (≦35)

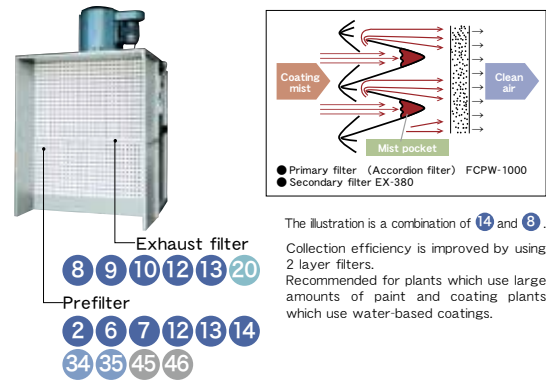
attention) 4/5 : 4 out of 5 specimens 1/5 : 1 out of 5 test pieces

Example filter

Coating booth

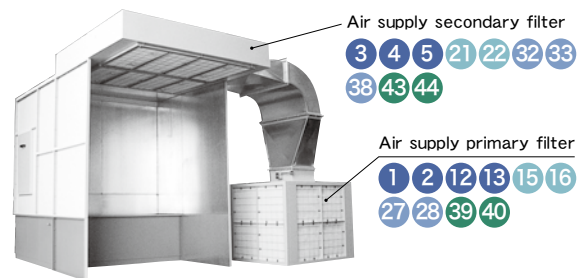


Haikiman (Dry exhaust booth) AB



The illustration is a combination of 14 and 8. Collection efficiency is improved by using 2 layer filters. Recommended for plants which use large amounts of paint and coating plants which use water-based coatings.

Push/pull type local exhaust equipment



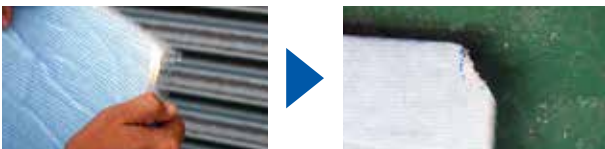
We offer a wide selection of filters to suit a variety of needs. Contact us for a consultation.



! This is how dangerous flammable filters are!

If fire resistant

We tried to light it multiple times, but the burning does not spread.



If flammable

Starts burning with even a small amount of flame and burns completely in just a few seconds.



Never use paints that can spontaneously ignite when paint mist adheres to and accumulates on the filter (such as phthalate-based or alkyd-based paints). If paint-covered filters are removed and stacked, they may spontaneously combust, so dispose of them immediately or soak them in water. Product specifications and contents may be changed without notice due to quality improvements, etc. We also carry some filters that are not listed in the catalog. For orders and inquiries, please contact our head office.

Creators comfortable environment.

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