

WAMAIR® FP / FPX Polygonal Dust Collectors













INTELLIGENT SOLUTIONS TO ALL KINDS OF DUST ISSUES

WAMAIR® is a Polygonal Dust Collector range that comes in a steel housing equipped with high performance POLYPLEAT™ or pocket-type filter elements.

WAMAIR® Dust Collectors are supplied in a stand-alone version with their own hopper range, as bin vents or fully insertable to be easily integrated into several applications such as silo venting, mechanical conveying, mixing and blending, as well as discharging through loading bellows.

The range has been designed in compliance with regulations for the manufacture of equipment for dry powder processing in several industries such as building and construction, glass, chemicals, animal feed and food processing.

WAMAIR® Dust Collectors are provided with **zer**® filter media to achieve optimal performance in all kinds of dedusting applications.

Filter Elements and Filter Media



Pleated Elements



GLAZED FACE SIDE

Available dimensions:

L = 520 mm

L = 770 mm

L = 920 mm



zer filter media

NANOFIBER

High Efficiency Filtration with nanofiber deposit



OIL-REPELLENT



ANTISTATIC



MICROPOROUS ePTFE MEMBRANE



WATER-REPELLENT

Pockets

Flat Needle-Felt Elements





Available dimensions:

L = 500 mm

L = 750 mm

L = 1,000 mm

L = 1,500 mm





OIL-REPELLENT



ANTISTATIC



POLYURETHANE COATING



WATER-REPELLENT



MICROPOROUS ePTFE MEMBRANE

Features

DIMENSIONAL

- Air volume: $250 \sim 9,000 \text{m}^3/\text{h}$ (147 ~ 5,300 cfm)
- Filtering surface: 3 ~ 70m² (32 ~ 755 sq ft)
- Temperature range: -20°C ~ 80°C (-4°F ~ 176°F)
- Horizontal or vertical installation
- Stainless steel casing or insertable version

APPLICATIONS

- Suitable for both positive (up to 500mm H₂0) and negative (up to -350mm H₂0) pressure applications
- Wide range of filter elements and media, including high efficiency zero technology
- ATEX-versions available

MAINTENANCE

 Inspection door with captive fastening knobs for easy and safe access for filter element replacement

CLEANING SYSTEM

- High efficiency programmable compressed air cleaning system
- "Full Immersion" solenoid valves, integrated into air tank to minimise flow resistance

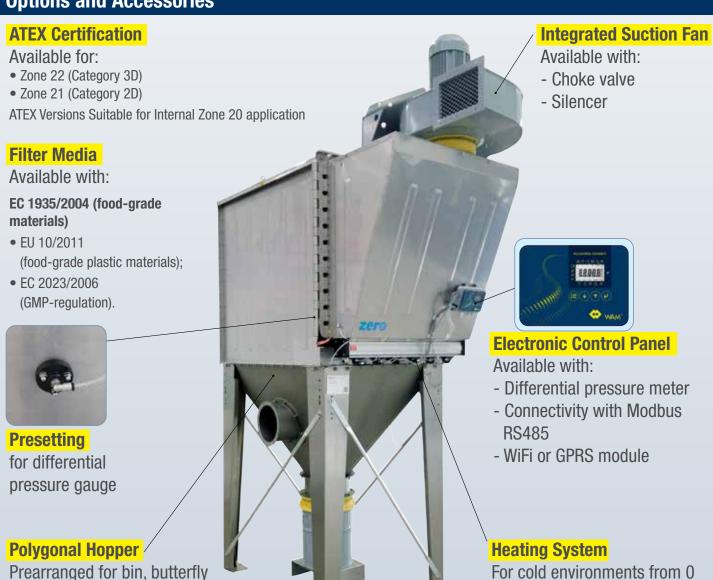
to -20 °C (not available for

ATEX version)

Options and Accessories

valve, rotary valve, various

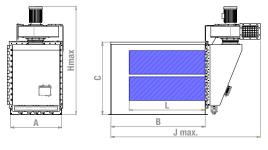
types of flow aids



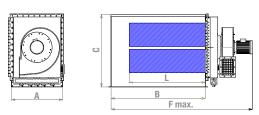
Overall Dimensions - Horizontal Polygonal Dust Collectors

WITHOUT FAN

WITH TOP FAN



WITH SIDE FAN



INDEX	POLYPLEAT™ POLYPLEAT™	Media S ⊎	urface	Collector Body Dimensions				With- out fan	With top fan	With side fan	Fan Power
VOLUME INDEX	(m²)	(m²)	L (mm)	A (mm)	B (mm)	C (mm)	H (mm)	F (mm)	J max. (mm)	F max. (mm)	(kW)
1	6 - 10*	3	500		700			1,220	1,590	1,515	
2	14	5	750		950			1,470	1,590	1,765	0.75
3	18	6	1,000	570	1,200	825	1,415	1,720	2,090	2,015	~
4		8	1,250		1,450			1,970	2,340	2,265	3.00
5		9	1,500		1,700			2,220	2,590	2,515	
6		5	500		700			1,220	1,645	1,610	
7		7	750		950			1,470	1,895	1,860	0.75
8	28	9	1,000	845	1,200	825	1,510	1,720	2,145	2,110	~
9		12	1,250		1,450			1,970	2,395	2,360	5.50
Α		14	1,500		1,700			2,220	2,645	2,610	
В		6	500		700			1,220	1,645	1,610	
С		9	750		950			1,470	1,895	1,860	0.75
D	34	12	1,000	570	1,200	1,320	2,005	1,720	2,145	2,110	~
Е		15	1,250		1,450			1,970	2,395	2,360	5.50
F		18	1,500		1,700			2,220	2,645	2,610	
G		9	500		700			1,220	1,815	1,640	
Н		14	750		950			1,470	2,065	1,890	1.10
L	42-56*	18	1,000	845	1,200	1,320	2,030	1,720	2,315	2,140	~
M		22	1,250		1,450			1,970	2,565	2,390	7.50
N		28	1,500		1,700			2,220	2,815	2,640	
Р		12	500		700			1,220	1,815	1,740	
Q		18	750		950			1,470	2,065	1,990	1.10
R	48-70*	24	1,000	1,065	1,200	1,320	2,130	1,720	2,315	2,240	~
S		30	1,250		1,450			1,970	2,565	2,490	11.00
T		36	1,500		1,700			2,220	2,815	2,740	
Υ		45	1,250	1,065	1,450	1,815	2,815	2,000	2,565	2,495	3.00
U		54	1,500	1,000	1,700	1,010	2,010	2,250	2,815	2,745	11.00

^{*} Filtering surface area varies according to the number of filter elements



ATEX version available

ATEX version available

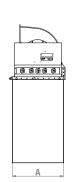
ATEX Provided also for POLYPLEAT™ with 42-56 and 48-70 m² but related to M and S volume index

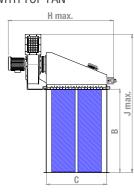
Overall Dimensions - Vertical Polygonal Dust Collectors





WITH TOP FAN





INDEX	POLYPLEAT™ Elips	Media S	urface	Collector Body Dimensions				Without fan	With top fan	Fan Power	
VOLUME INDEX	[記 (m²)	(m²)	L (mm)	A (mm)	B (mm)	C (mm)	H (mm)	F (mm)	J max. (mm)	(kW)	
1	6 - 10*	3	500		500			865	1,390		
2	14	5	750		750			1,115	1,640	0.75	
3	18	6	1,000	570	1,000	670	1,405	1,365	1,890	~	
4		8	1,250		1,250			1,615	2,140	3.00	
5		9	1,500		1,500			1,865	2,390		
6		5	500		500			865	1,450		
7		7	750		750			1,115	1,700	0.75	
8	28	9	1,000	845	1,000	670	1,500	1,365	1,950	5.50	
9		12	1,250		1,250			1,615	2,200		
Α		14	1,500		1,500			1,865	2,450		
В		6	500		500			865	1,450		
С		9	750		750			1,115	1,700	0.75	
D	34	12	1,000	570	1,000	1,170	1,995	1,365	1,950	~	
Ε		15	1,250		1,250			1,615	2,200	5.50	
F		18	1,500		1,500			1,865	2,450		
G		9	500		500			865	1,615		
Н		14	750		750			1,115	1,865	1.10	
L	42-56*	18	1,000	845	1,000	1,170	2,025	1,365	2,115	~	
М		22	1,250		1,250			1,615	2,365	7.50	
N		28	1,500		1,500			1,865	2,615		
Р		12	500		500			865	1,615		
Q		18	750		750			1,115	1,865	1.10	
R	48-70*	24	1,000	1,065	1,000	1,170	2,120	1,365	2,115	~	
S		30	1,250		1,250			1,615	2,365	11.00	
T		36	1,500		1,500			1,865	2,615		
Filtering surface area varies according to the number of filter elements											

Filtering surface area varies according to the number of filter elements

Benefits



EASY MAINTENANCE

Minimised plant downtime due to quick and easy maintenance



LOW EMISSION

Due to advanced technology **zer** filter media



COMPACT & EASY FITTING DESIGN
Different body configurations available
for the same filtering surface area



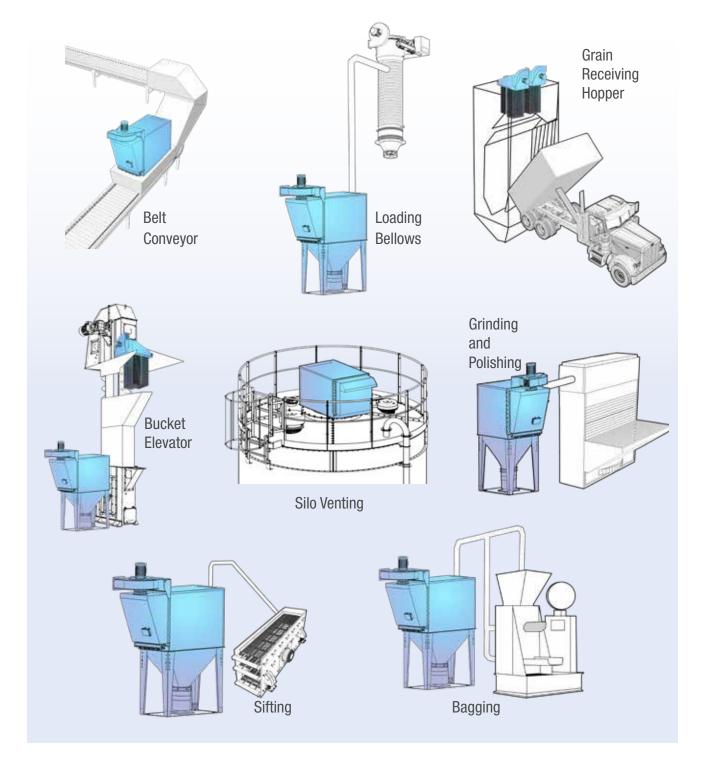
WORLDWIDE SUPPORT

Technical support and spare parts available worldwide thanks to WAMGROUP® subsidiary network



VERSATILE

Perfectly suitable for many different technical applications:



Application















203001709



















This brochure has been edited for distribution in European Union countries.

















