

WAMAIR® Stand-Alone

Polygonal Dust Collectors

available with
zero
nanofibre
filter elements



POCKET



POLYPLEAT™



CERTIFIED

LEADING DUST FILTRATION, MADE SIMPLE.

The WAMAIR® Stand-Alone FPSA is a versatile, Polygonal Dust Collector equipped with either POLYPLEAT™ or POCKET filter elements. It features an integrated suction fan and bottom hopper for efficient dust collection. Its robust, streamlined design enhances reliability and simplifies maintenance, with easy access to the filter elements from the clean side.

A wide range of options allows for customisation, ensuring the optimal filter media, element type, and extraction system for specific applications across diverse industries, including building and construction, glass processing, foundries, iron and steel mills, mining and ore milling, and metal workshops.

The integration of WAM AIR®'s advanced air pulse-jet cleaning system with proven filter media technology in WAM AIR® filtering elements delivers exceptional filtration efficiency, performance, and long-lasting quality. This powerful combination effectively tackles a broad spectrum of dedusting challenges in various industrial settings.

The WAMAIR Stand-Alone FPSA is also available in an ATEX 2/3D compliant version (FPXSA) for use in potentially explosive dust atmospheres.

Technical Features

- Hygienic design
- Water/oil-repellent, nano-fibre **zero**, antistatic, and flame-retardant media available
- Integrated cleaning system
- Integrated suction fan or external connection to centralised suction system
- Painted mild steel housing (RAL7035 light grey) and hopper (RAL7016 anthracite grey)
- ATEX Certification  available for:
 - Zone 22 (Category 3D)
 - Zone 21 (Category 2D)
 On request ATEX Versions Suitable for Internal Zone 20 application

Options & Accessories

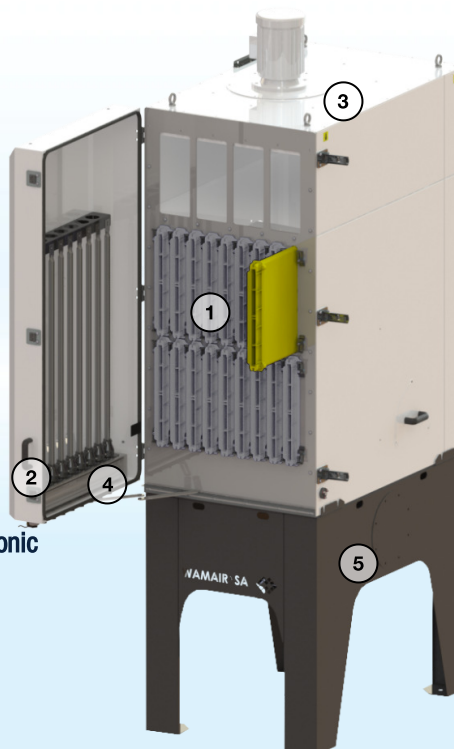
- 1 Filtering Elements:**
PR POLYPLEAT™ **zero**
(nanofibre + antistatic + flame-retardant) are available and recommended for METAL Workshop



FILCONTROL™ CONNECT Advanced Electronic Control Panel:

Available with:

- Differential pressure meter
- Connectivity with Modbus RS485

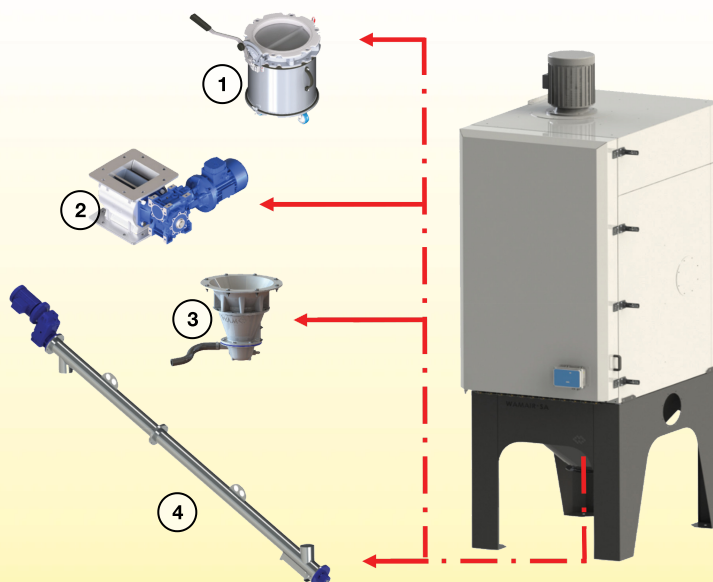


- 3 Integrated Suction Fan (A)**
- Choke valve
- Silencer
External Connection (R)
to centralised suction system
- 4 Heating system** for cold environments
(0 to -20 °C)
- 5 Polygonal Hopper:**
including:
- Air diffuser
- Feet
- Multiple collection system

Benefits

- ✓ Low operating and maintenance costs
- ✓ Low noise level
- ✓ High performance
- ✓ Sturdy design

Accessory Devices



1 Butterfly Valve + Bin

2 Rotary Valve

3 RECOFIL™

4 Screw Conveyor

Range - Performance

WAMAIR® Stand-Alone - POCKET

CODE	Min. Airflow (Nm³/h)	Max. Airflow (Nm³/h)	Pocket (qty)	Pocket Height (mm)	Fan Power (kW)
FP(X) SA T 018 A (R)	1,100	2,100	2 x 9 - 18	1,000	3.0
FP(X) SA T 024 A (R)	1,500	2,800	2 x 12 - 24		
FP(X) SA T 036 A (R)	2,200	4,200		1,500	5.5
FP(X) SA T 054 A (R)	3,300	6,000	11.0		
FP(X) SA T 072 R	4,400	8,000	15.0*		
FP(X) SA T 108 R	6,500	12,000	18.5*		
FP(X) SA T 162 R	9,900	18,000	37.0*		

WAMAIR® Stand-Alone - POLYPLEAT™

CODE	Min. Airflow (Nm³/h)	Max. Airflow (Nm³/h)	POLYPLEAT™ (qty)	POLYPLEAT™ Height (mm)	Fan Power (kW)
FP(X) SA W 040 A (R)	2,000	3,700	2 x 6 - 12	920	5.5
FP(X) SA W 056 A (R)	2,700	5,000	2 x 8 - 16		
FP(X) SA W 070 A (R)	3,300	6,200	2 x 10 - 20		7.5
FP(X) SA W 105 A (R)	4,600	7,500	3 x 10 - 30		11.0
FP(X) SA W 140 R	6,600	12,500	2 x 10 (x2) - 40		18.5*
FP(X) SA W 210 R	9,200	15,000	3 x 10 (x2) - 60		30.0*
FP(X) SA W 315 R	13,800	22,500	3 x 10 (x3) - 90		45.0*

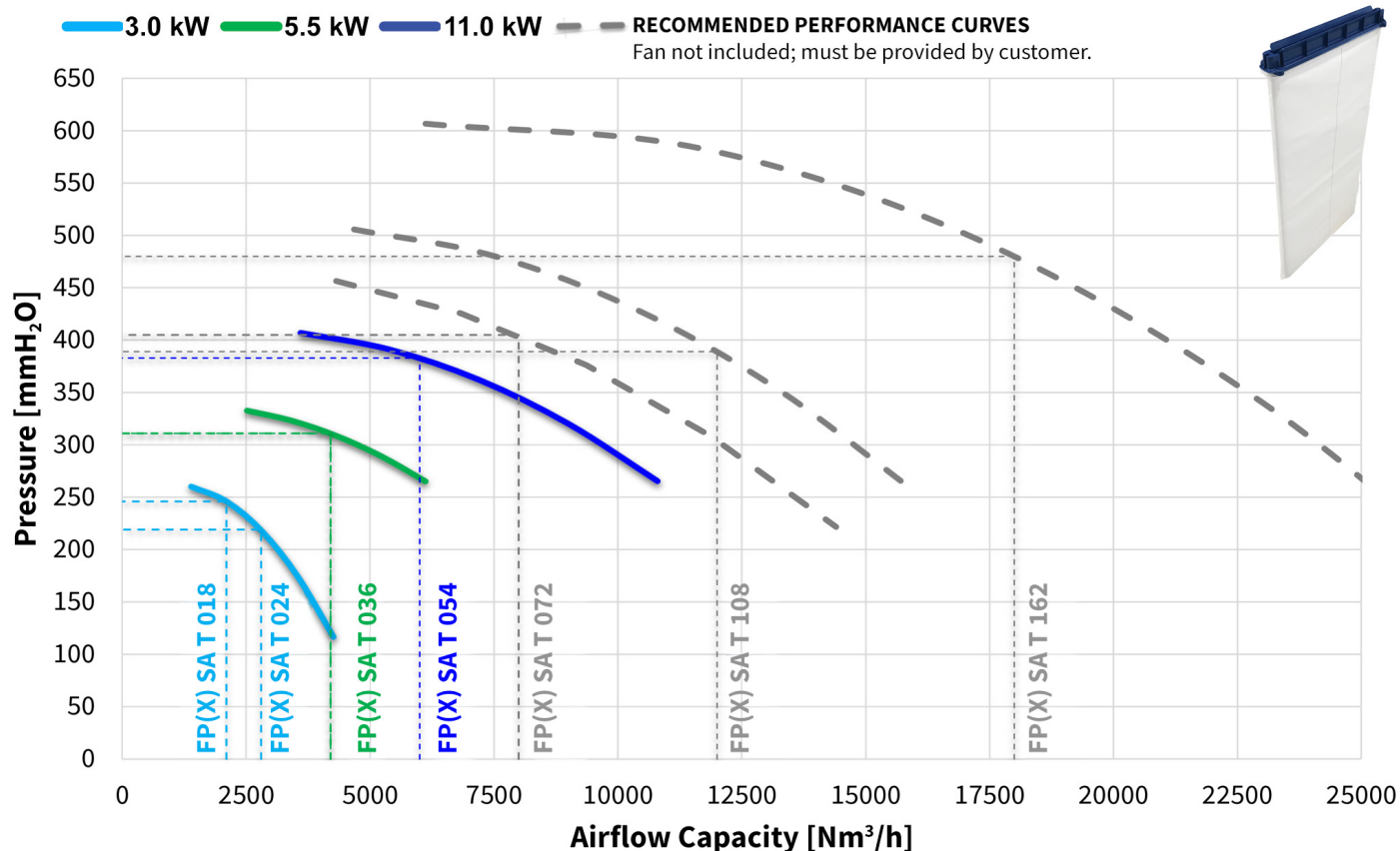
- The AIRFLOW values above are nominal. Each application has a specific value; please consult WAM®AIR for details.

* Motor recommended, but not included.

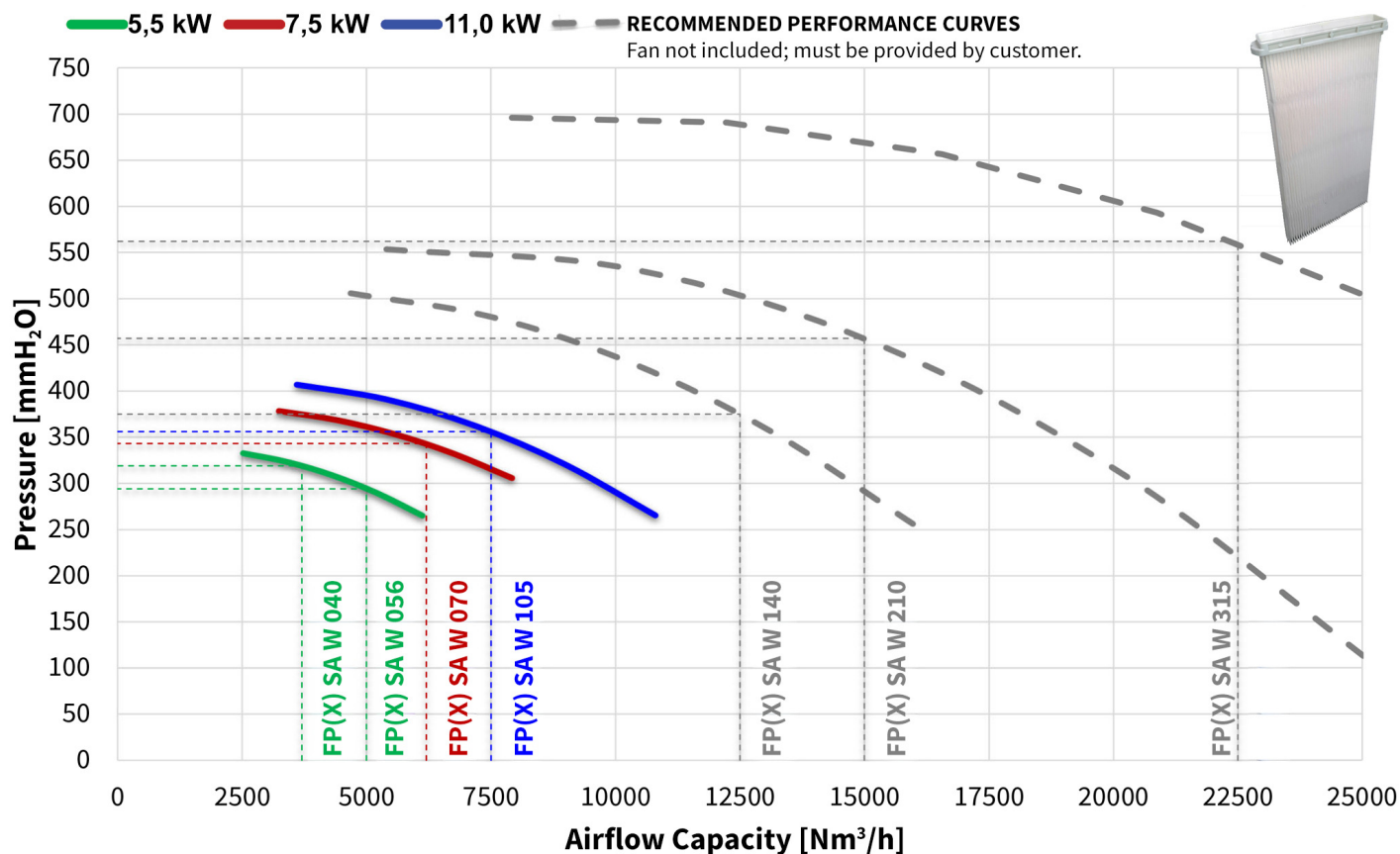
- ATEX versions feature variable element lengths compared to Standard units; for detailed length specifications, refer to the technical manual.

Airflow and Pressure Performance

WAMAIR® Stand-Alone - POCKET

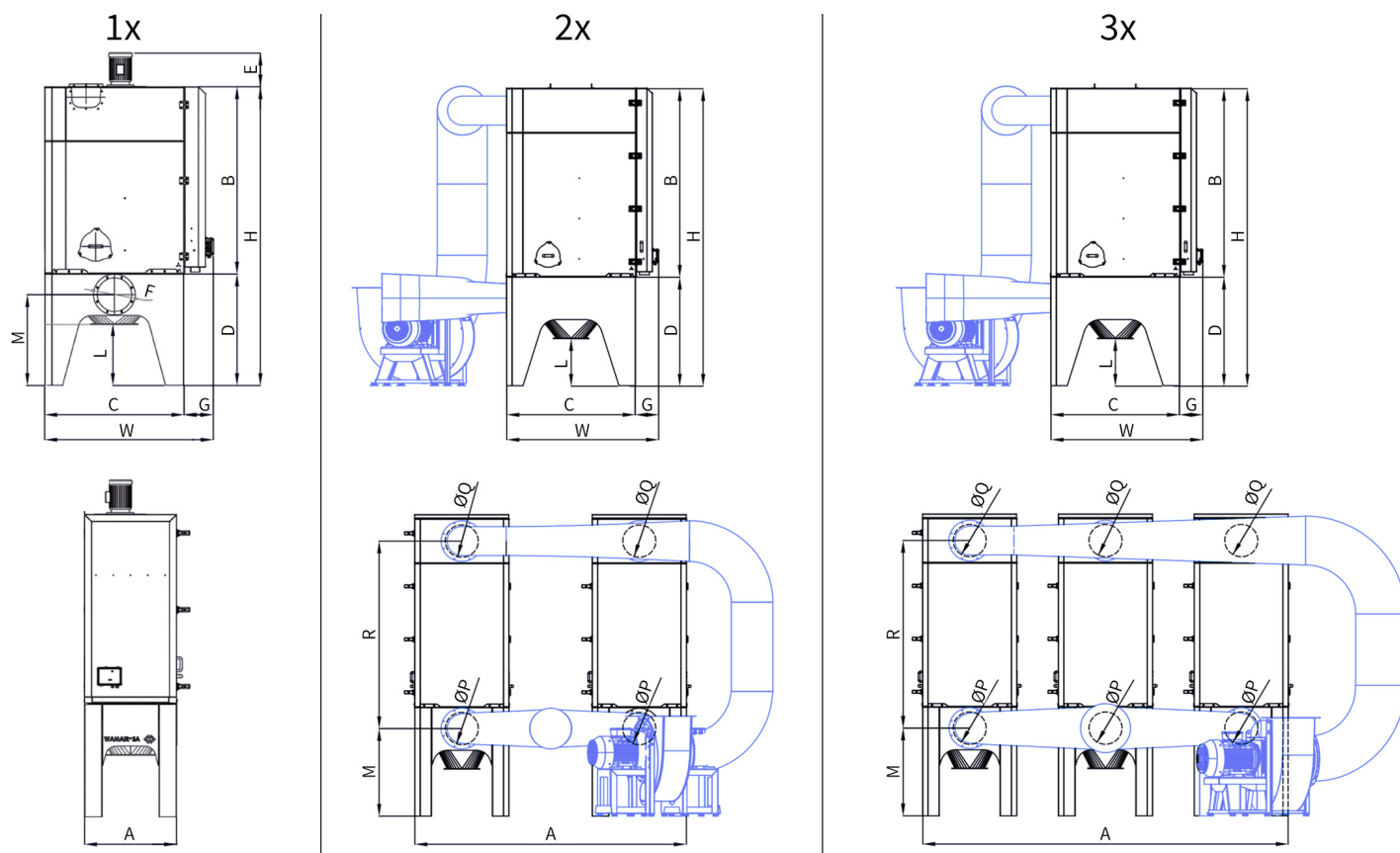


WAMAIR® Stand-Alone - POLYPLEAT™



The AIRFLOW values above are nominal. Each application has a specific value; please consult WAM®AIR for details.

Overall Dimensions



WAMAIR® Stand-Alone - Pocket

CODE	UNIT (qty)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	L (mm)	M (mm)	W (mm)	R (mm)	P (mm)	Q (mm)			
FP(X) SA T 018 A	1	850	1,780	1,320	1,060	330	389	280	3,160	580	860	1,580						
FP(X) SA T 024 A		1,130		1,500	1,340		377		3,440		1,140							
FP(X) SA T 036 A		1,140	1,820			350	506		3,510		1,080	1,830				1,760	345	345
FP(X) SA T 054 A		1,130	2,310			500	512		4,150									
FP(X) SA T 072 R	2	2,805	1,820	1,560	1,340				3,160		1,080	1,830	1,760	345	345			
FP(X) SA T 108 R		3,015	2,310						3,650				2,300	396	396			
FP(X) SA T 162 R	3	4,385																

External suction fan and ducting not supplied by WAM®AIR (see blue parts in the drawing)

WAMAIR® Stand-Alone - POLYPLEAT™

CODE	UNIT (qty)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	L (mm)	M (mm)	W (mm)	R (mm)	P (mm)	Q (mm)
FP(X) SA W 040 A	1	850	1,780	1,310	1,060	400	389	280	3,240	580	580	1,580			
FP(X) SA W 056 A															
FP(X) SA W 070 A															
FP(X) SA W 105 A	2	1,140	1,820			350	506		3,510						
FP(X) SA W 140 R		1,130	2,310			500	512		4,150						
FP(X) SA W 210 R		3,015	1,820						3,160						
FP(X) SA W 315 R	3	4,385	2,310						3,650				2,300	396	396

External suction fan and ducting not supplied by WAM®AIR (see blue parts in the drawing)

Application



WAMGROUP®



WAM®



MAP®



TOREX®



EXTRAC®



WAM® AIR



WAM® VALVES



SILOFAB®



SAVECO®



WAM® AIR



UNI EN ISO 9001
Certified Company

www.wamgroup.com