

# WAMAIR® Stand-Alone

## Polygonal Dust Collectors

available with  
**zero**  
nanofibre  
filter elements



**POCKET**



**POLYPLEAT™**



## 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.

### Benefits

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

### 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)

### Options & Accessories

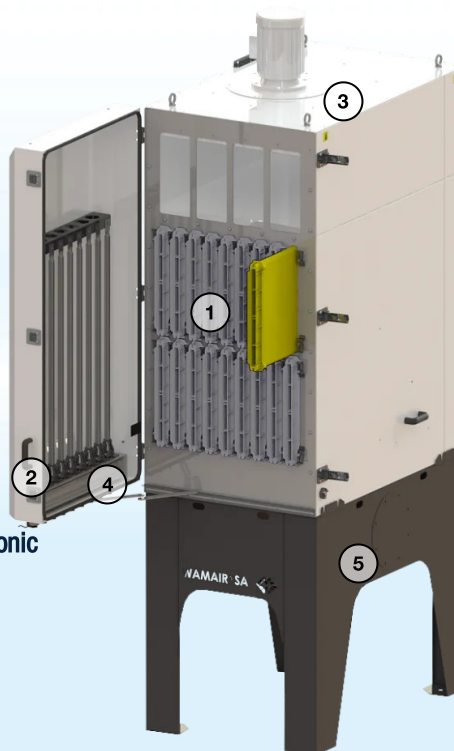
- ① **Filtering Elements:**  
PR POLYPLEAT™ **zero**  
(nanofibre + antistatic + flame-retardant) are available and recommended for METAL Workshop



**FILCONTROL™ CONNECT Advanced Electronic Control Panel:**

Available with:

- Differential pressure meter
- Connectivity with Modbus RS485

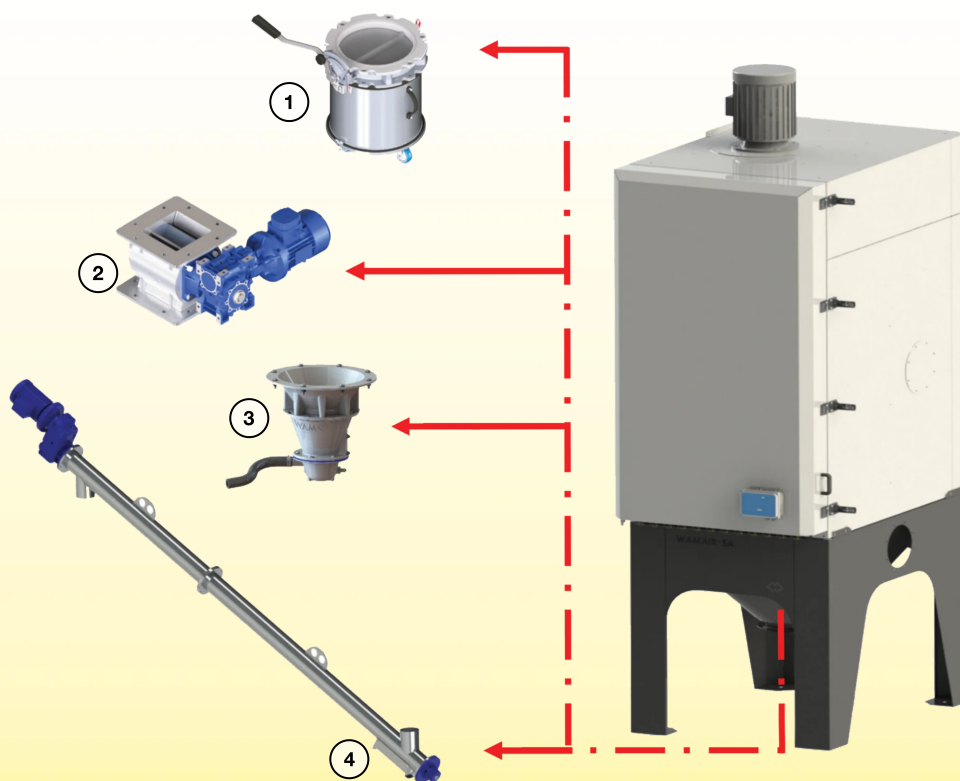


- ③ **Integrated Suction Fan (A)**  
- Choke valve  
- Silencer  
**External Connection (R)**  
to centralised suction system

- ④ **Heating system** for cold environments  
(0 to -20 °C)

- ⑤ **Polygonal Hopper:**  
including:  
- Air diffuser  
- Feet  
- Multiple collection system

## Accessory Devices



1 Butterfly Valve + Bin

2 Rotary Valve

3 RECOFIL™

4 Screw Conveyor

## Range - Performance

### WAMAIR® Stand-Alone - POCKET

| CODE              | Min. Airflow<br>(Nm³/h) | Max. Airflow<br>(Nm³/h) | Pocket<br>(qty)   | Pocket Height<br>(mm) | Fan Power<br>(kW) |
|-------------------|-------------------------|-------------------------|-------------------|-----------------------|-------------------|
| FP SA T 018 A (R) | 1,100                   | 2,100                   | 2 x 9 - 18        | 1,000                 | 3.0               |
| FP SA T 024 A (R) | 1,500                   | 2,800                   | 2 x 12 - 24       |                       | 5.5               |
| FP SA T 036 A (R) | 2,200                   | 4,200                   |                   | 1,500                 | 11.0              |
| FP SA T 054 A (R) | 3,300                   | 6,000                   | 3 x 12 - 36       |                       |                   |
| FP SA T 072 R     | 4,400                   | 8,000                   | 2 x 12 (x2) - 48  |                       |                   |
| FP SA T 108 R     | 6,500                   | 12,000                  | 3 x 12 (x2) - 72  |                       | n.a.              |
| FP SA T 162 R     | 9,900                   | 18,000                  | 3 x 12 (x3) - 108 |                       |                   |

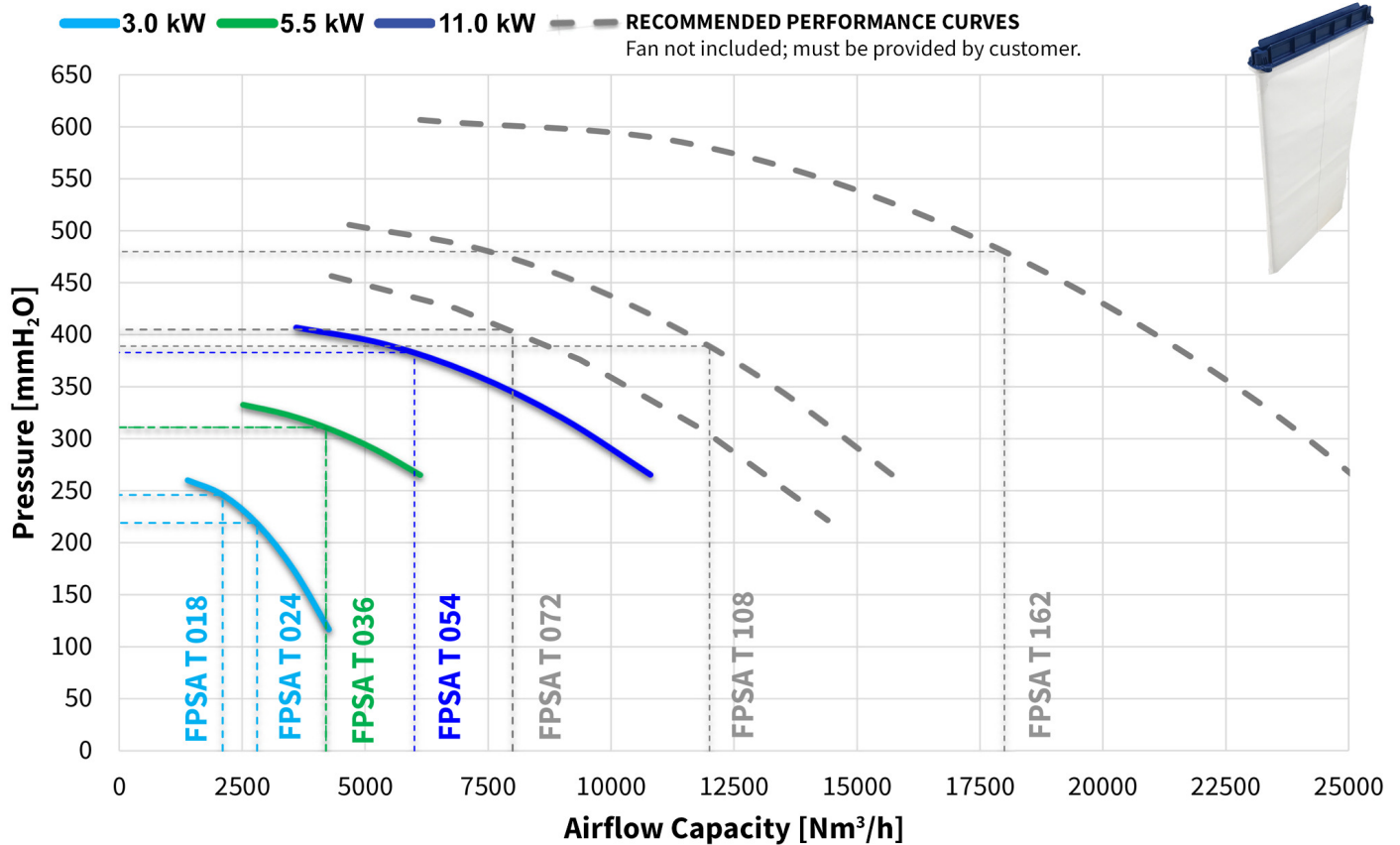
### WAMAIR® Stand-Alone - POLYPLEAT™

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

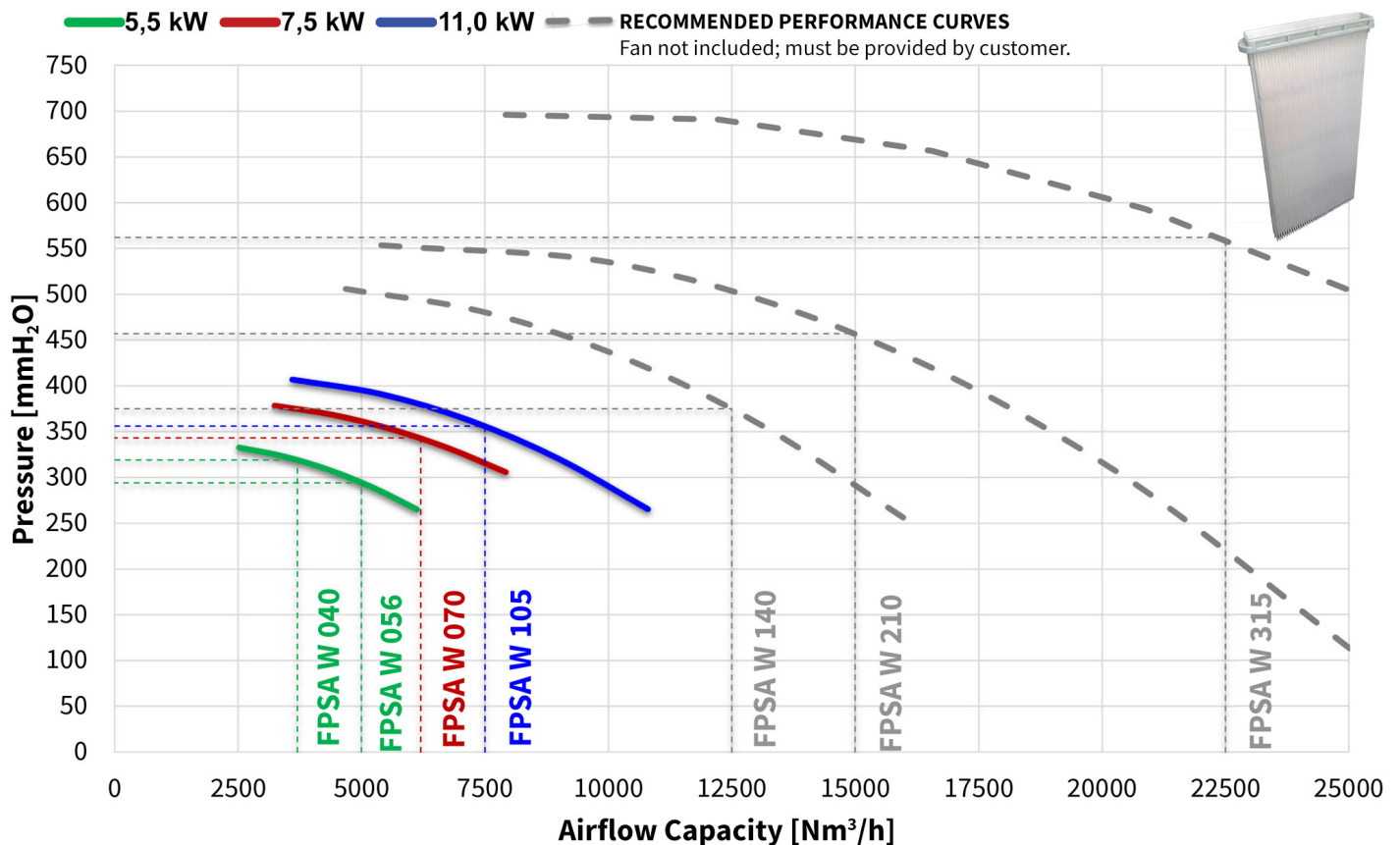
The AIRFLOW values above are nominal. Each application has a specific value; please consult WAM®AIR for details.

# Airflow and Pressure Performance

## WAMAIR® Stand-Alone - POCKET

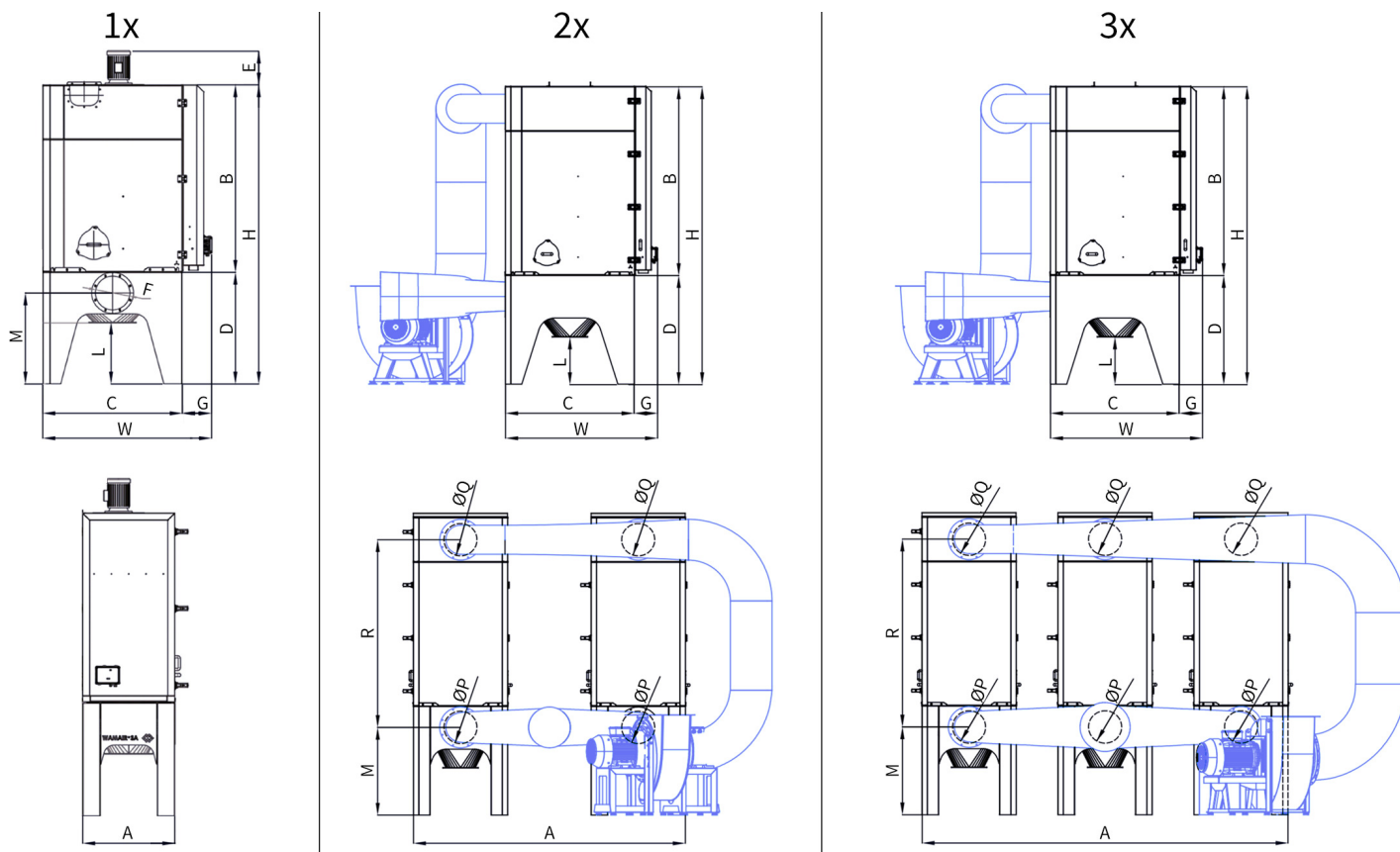


## WAMAIR® Stand-Alone - POLYPLEAT™



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<br>(qty) | A<br>(mm) | B<br>(mm) | C<br>(mm) | D<br>(mm) | E<br>(mm) | F<br>(mm) | G<br>(mm) | H<br>(mm) | L<br>(mm) | M<br>(mm) | W<br>(mm) | R<br>(mm) | P<br>(mm) | Q<br>(mm) |
|---------------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| FP SA T 018 A | 1             | 850       | 1,780     | 1,320     | 1,060     | 330       | 389       | 280       | 3,160     | 580       | 860       | 1,580     |           |           |           |
| FP SA T 024 A |               | 1,130     |           | 1,500     |           |           | 377       |           | 3,440     |           | 1,140     |           |           |           |           |
| FP SA T 036 A |               | 1,140     | 1,820     |           | 350       | 506       | 3,510     |           |           |           |           |           |           |           |           |
| FP SA T 054 A |               | 1,130     | 2,310     |           | 500       | 512       | 4,150     |           |           |           |           |           |           |           |           |
| FP SA T 072 R | 2             | 2,805     | 1,820     | 1,560     | 1,340     |           |           |           | 3,160     |           | 1,080     | 1,830     | 1,760     | 345       | 345       |
| FP SA T 108 R |               | 3,015     | 2,310     |           |           |           |           |           |           |           |           |           |           |           |           |
| FP 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<br>(qty) | A<br>(mm) | B<br>(mm) | C<br>(mm) | D<br>(mm) | E<br>(mm) | F<br>(mm) | G<br>(mm) | H<br>(mm) | L<br>(mm) | M<br>(mm) | W<br>(mm) | R<br>(mm) | P<br>(mm) | Q<br>(mm) |
|---------------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| FP SA W 040 A | 1             | 850       | 1,780     | 1,310     | 1,060     | 400       | 389       | 280       | 3,240     | 580       | 580       | 1,580     |           |           |           |
| FP SA W 056 A |               |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| FP SA W 070 A |               | 1,140     | 1,820     | 350       | 506       | 3,510     |           |           |           |           |           |           |           |           |           |
| FP SA W 105 A |               | 1,130     | 2,310     |           |           | 500       |           |           | 512       |           |           | 4,150     |           |           |           |
| FP SA W 140 R | 2             | 3,015     | 1,820     | 1,560     | 1,340     |           |           |           | 3,160     |           |           | 1,830     | 1,760     | 345       | 345       |
| FP SA W 210 R |               | 3,260     | 2,310     |           |           |           |           |           | 3,650     |           |           |           | 2,300     | 396       | 396       |
| FP SA W 315 R | 3             | 4,385     |           |           |           |           |           |           |           |           |           |           |           |           |           |

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



# Application



WAM®



MAP®



TOREX®



EXTRAC®



WAM® AIR



WAM® VALVES



SILOFAB®



SAVECO®



WAM® AIR



UNI EN ISO 9001  
Certified Company

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