WALLPRO BASIC

STATIONARY WELDING FUME EXTRACTOR

The WallPro Basic is a stationary welding fume filter including fan. The highly efficient filter cartridge is automatically cleaned by the integrated RamAir[™] pulse amplifier, based on external compressed air supply.

Unlike most similar stationary filter units, filter cleaning also takes place offline, which is much more effective than the usual online.

The WallPro Basic is suitable for connection to e.g. a DraftMax Eco (downdraft table) or a FlexHood (modular extraction hood).

APPLICATIONS

The WallPro Basic is intended to be used for the following applications:

- MIG-MAG/GMAW welding • TIG welding
- stainless steel welding • grinding
- FCAW welding polishing finishing
- stick/MMAW welding

SPECIFICATIONS (general)

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Physical dimensions a	and properties (filter unit)	
Material (housing): • steel grade • steel grade no.	electro-zinc coated steel (according to DIN EN 10152) • DC01+ZE • 1.0330	
Colour	yellow RAL 1004 grey RAL 7011	
Weight (net), excl. fan	125 kg	
Supply cable	not included	
Capacity of dustbin	18 litres	
Filter cartridge	·	
Туре	CART-O/PTFE/20	
Filter material	BiCo polyester with PTFE membrane	
Filter surface area	20 m ²	
Shape	cylindric	
Washable	no	
Lifetime expectancy	ref. explanation on page 3	
Compressed air syste	m	
Required compressed air quality	dry and oil-free according to ISO 8573-3 class 6	
Inlet pressure	5-10 bar (75-150 PSI)	
Required pressure	5 bar (75 PSI) (by integrated pressure regulator)	
Compressed air connection	G 3/8" (female)	
Compressed air consumption	35 NI (1.2 ft ³) per pulse	
Volume of compressed air tank	9 litres (2.4 gallon)	



Activation of filter cleaning system (both online and offline)	 pressure controlled manually by push button at shutdown
Duration of filter cleaning cycle	60 seconds (6 pulses)
Ambient and process	conditions
Process temperature: • min. • nom. • max.	• 5°C (41°F) • 20°C (68°F) • 70°C (158°F)
Max. relative humidity	90%
Suitable for outdoor use	no
Storage conditions	 5-45°C (41-113°F) relative humidity max. 80%
Options and accessor	ies (general)
Dustbin extension set • metric • imperial	• Ø 200 mm • Ø 8 inch
WCS-WP	welding cable sensor
Filter disposal bag (5 pieces)	for dust-free filter removal
Scope of supply	
Filter unit (without side par	

Mounting bracket - Fan - Dustbin - Air hose (filter pressure) 2x10 m - Control box - Duct mounting kit (inlet flange + non-return valve) - SealApplicator (seal assembly lubricant) – Fan outlet transition from rectangular to round - Filter disposal bag (5 pieces)

APPROVALS/CERTIFICATES

CE	
Welding fume class	W3 according to ISO 15012- 1:2013
RoHS	Directive 2011/65/EC (RoHS) valid as of 8 June 2011

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product data sheet

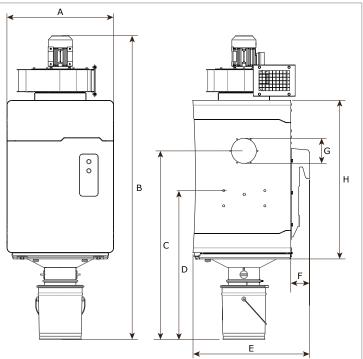


SPECIFICATIONS (per product type)

	Туре	WallPro Basic		WallPro Basic	PowerPlus
	Frequency	50Hz	60Hz	50Hz	60Hz
Inlet connection		•	-		1
Diameter		Ø 160 mm		Ø 200 mm	
Number		1		1 (2 on request)	
Extraction fan ¹					
Туре		FUA-3000		FUA-4700	
Power consumption		1,1 kW (1.5 HP)	1,5 kW (2 HP)	2,2 kW (3 HP)	2,2 kW (3 HP)
Motor design		IEC	NEMA	IEC	NEMA
Energy efficiency		IE3	premium	IE3	premium
Fan outlet (via adapter)		Ø 250 mm		Ø 250 mm	
Performance					
Max. extraction capacity (without arm; clean filter)	 1 inlet 2 inlets	1250 m³/h (735 CFM) 2100 m³/h (124 n/a 2 x 1550 m³/h (
Noise level (according to Is • with optional silencer	50 3746)	75 dB(A) 67 dB(A)		76 dB(A) 67 dB(A)	
Options and accessor	ies	•		•	
Silencer		SAS-250 straight		SAS-250 straight	
Order information		•		•	
Article no.:	• 400V/3ph/50Hz	0000117511		0000117515	
	• 208-230V/3ph/60Hz		0000117512		0000117516
• 460	• 460V/3ph/60Hz		0000117513		0000117517
	• 575V/3ph/60Hz		0000117514		0000117518
Logistics data		•		•	÷
Gross weight (incl. fan and	l pallet)				
Packing dimensions (incl. pallet):	• filter unit	850 x 750 x 1400 mm		850 x 750 x 1400 mm	
	• fan				
	 remaining parts 				
Harmonized Tariff Code		84213925		84213925	

¹ Refer to the separate product data sheet for more detailed information

DIMENSIONS



		mm	inch
Α		700	27.6
В	Basic	1991	78.4
	Basic PowerPlus	2059	81.1
С		1236	48.7
D		975	38.4
E		764	30.1
F		123	4.8
G	Basic	Ø 164	Ø 6.5
	Basic PowerPlus	Ø 204	Ø 8.0
н		1040	40.9

PLYMFJVENT[®]

clean air at work

FEATURES & BENEFITS



Highly effective offline filter cleaning



Dust-free filter removal & service (bag-in/bag-out)



The WallPro Basic "PowerPlus" is particularly suitable for heavy duty applications with large quantities of fume, such as flux-cored arc welding in combination with an automated welding process



Dustbin extension set (option) for ease of maintenance

Lifetime expectancy of the filter cartridge

The minimum mechanical lifetime expectancy is 12000 pulses @ 5 bar, which is the equivalent of 2 cleaning cycles of 6 pulses per 8 hours for a period of 8000 hours.

Filter cartridges have been subject to an endurance test of 12000 pulses @ 5 bar without showing any sign of wear.

Application restrictions

Do **not** use the product for the following applications or in the following circumstances: polishing applications in combination with grinding, welding or any other application that generate sparks (fibres from polishing or abrasive flap disks are highly flammable and pose a high risk of filter fires when exposed to sparks) | aluminium laser cutting | oil mist | heavy oil mist in welding fume | arc-air gouging | extraction of aggressive fumes and gases (e.g. from acids, from alkaline, from soldering paste containing lithium) | extraction of hot gases (more than 70°C/158°F continuously) | grinding aluminum and magnesium | flame spraying | extraction of cement, saw dust, wood dust etc. | sucking cigarettes, cigars, oiled tissues and other burning particles, objects and acids | explosive environments or explosive substances/gases

Product type	WallPro Basic
Article no.	refer to Order information
Product category	stationary filter units
Version	111018/0

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