

WALLPRO 2.0 SINGLE

STATIONARY WELDING FUME EXTRACTOR

The WallPro 2.0 is a stationary welding fume filter including extraction arm and fan. The highly efficient filter cartridge is automatically cleaned by the integrated HyperClean™ system, based on external compressed air supply.

Unlike most similar stationary filter units, filter cleaning also takes place *offline* (fan off), which is much more effective than the usual online (fan on).

The extraction arm can be mounted directly to the filter unit ("DM" types) or at an external position ("EM" types).



Image: WallPro 2.0 Single "DM"

APPLICATIONS

The WallPro 2.0 Single is intended to be used for the following applications:

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



SPECIFICATIONS (general)

Physical dimensions and properties (filter unit)

Material (housing):	electro-zinc coated steel (according to DIN EN 10152)
• steel grade	• DC01+ZE
• steel grade no.	• 1.0330
Colour	yellow RAL 1004 grey RAL 7011
Weight (net), excl. arm and fan	125 kg
Supply cable	not included
Capacity of dustbin	18 litres
Filter cartridge	
Type	CART-O/PTFE/20
Filter material	BiCo polyester with PTFE membrane
Filter surface area	20 m ²
Shape	cylindric
Washable	no
Compressed air system	
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	800 nL (2 ⁷ / ₈ ft ³) per cleaning cycle
Activation of filter cleaning system (both online and offline)	• pressure controlled • manually by push button • at shutdown

Duration of filter cleaning cycle	120 seconds (4 x 30)
Ambient and process conditions	
Process temperature:	
• min.	• 5°C (41°F)
• nom.	• 20°C (68°F)
• max.	• 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 accessories (general)	
Dustbin extension set	
• metric	• Ø 200 mm
• imperial	• Ø 8 inch
MCC-05	inductive sensor for automatic start/stop (only in combination with ControlPro)
Filter disposal bag (5 pieces)	for dust-free filter removal
Scope of supply	
Filter unit (without side panels) – Side panel set – Extraction arm – Mounting bracket – Fan – Dustbin – Air hose (filter pressure) 2x10 m – Control panel – Arm/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

		Control panel
50Hz	60Hz	
Welding fume class	W3 according to ISO 15012-1:2013	
	Directive 2011/65/EC (RoHS) valid as of 8 June 2011	

SPECIFICATIONS (per product type)

WallPro 2.0 Single-	160/3-DM	160/4-DM	200/3-DM	200/4-DM	200/3-DM PowerPlus	200/4-DM PowerPlus
	160/3-EM	160/4-EM	200/3-EM	200/4-EM	200/3-EM PowerPlus	200/4-EM PowerPlus
■ Extraction arm¹						
Type	KUA-160/3H	KUA-160/4H	KUA-200/3H	KUA-200/4H	KUA-200/3H	KUA-200/4H
Length	3 m	4 m	3 m	4 m	3 m	4 m
Diameter	Ø 160 mm		Ø 200 mm		Ø 200 mm	
■ Extraction fan¹						
Type	FUA-3000		FUA-3000		FUA-4700	
Power consumption: • 50Hz units • 60Hz units	1,1 kW (1.5 HP) 1,5 kW (2 HP)		1,1 kW (1.5 HP) 1,5 kW (2 HP)		2,2 kW (3 HP) 2,2 kW (3 HP)	
Motor design: • 50Hz units • 60Hz units	IEC NEMA		IEC NEMA		IEC NEMA	
Energy efficiency: • 50Hz units • 60Hz units	IE3 premium		IE3 premium		IE3 premium	
Fan outlet (via adapter)	Ø 250 mm		Ø 250 mm		Ø 250 mm	
■ Control equipment						
Control panel: • 50Hz units • 60Hz units	ControlGo ControlPro		ControlGo ControlPro		ControlPro ControlPro	
■ Performance						
Extraction capacity	max. 1000 m ³ /h (560 CFM)		max. 1450 m ³ /h (855 CFM)		max. 1800 m ³ /h (1060 CFM)	
Noise level ² • with optional silencer	75 dB(A) 67 dB(A)		75 dB(A) 67 dB(A)		76 dB(A) 67 dB(A)	
■ Options and accessories						
Silencer	SAS-250 straight		SAS-250 straight		SAS-250 straight	
Manual on/off switch on the hood, incl. LED working light	LL-5.5/24-160		LL-5.5/24-200		LL-5.5/24-200	

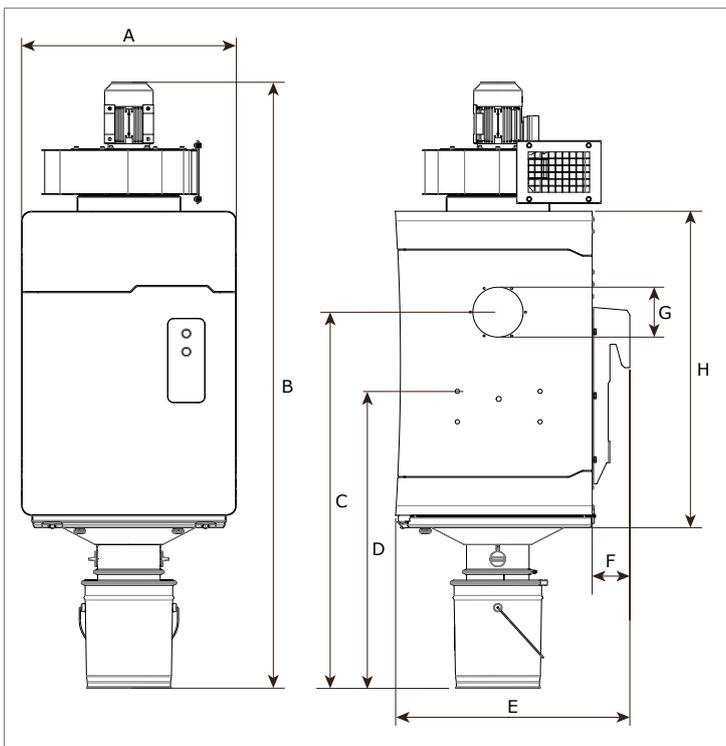
¹ Refer to the separate product data sheets for more detailed information

² According to ISO 3746

■ Order information						
	Article no.	Article no.				
WallPro 2.0 Single-	160-3/DM	160/4-DM	200/3-DM	200/4-DM	200/3-DM PowerPlus	200/4-DM PowerPlus
400V/3ph/50Hz	0000121125	0000121126	0000121127	0000121128	0000121193	0000121194
208-230V/3ph/60Hz	0000121129	0000121132	0000121135	0000121138	0000121201	0000121204
460V/3ph/60Hz	0000121130	0000121133	0000121136	0000121139	0000121202	0000121205
575V/3ph/60Hz	0000121131	0000121134	0000121137	0000121140	0000121203	0000121206
WallPro 2.0 Single-	160-3/EM	160/4-EM	200/3-EM	200/4-EM	200/3-EM PowerPlus	200/4-EM PowerPlus
400V/3ph/50Hz	0000121175	0000121176	0000121177	0000121178	0000121191	0000121192
208-230V/3ph/60Hz	0000121179	0000121182	0000121185	0000121188	0000121195	0000121198
460V/3ph/60Hz	0000121180	0000121183	0000121186	0000121189	0000121196	0000121199
575V/3ph/60Hz	0000121181	0000121184	0000121187	0000121190	0000121197	0000121200

■ Logistics data					
Gross weight (incl. arm, fan and pallet)					
Packing dimensions (incl. pallet):					
• filter unit	850 x 750 x 1400 mm	850 x 750 x 1400 mm		850 x 750 x 1400 mm	
• extraction arm	2100 x 300 x 500 mm	1740 x 355 x 660 mm	2085 x 355 x 660 mm	1740 x 355 x 660 mm	2085 x 355 x 660 mm
• fan					
• remaining parts					
Harmonized Tariff Code	84213925	84213925	84213925	84213925	

DIMENSIONS

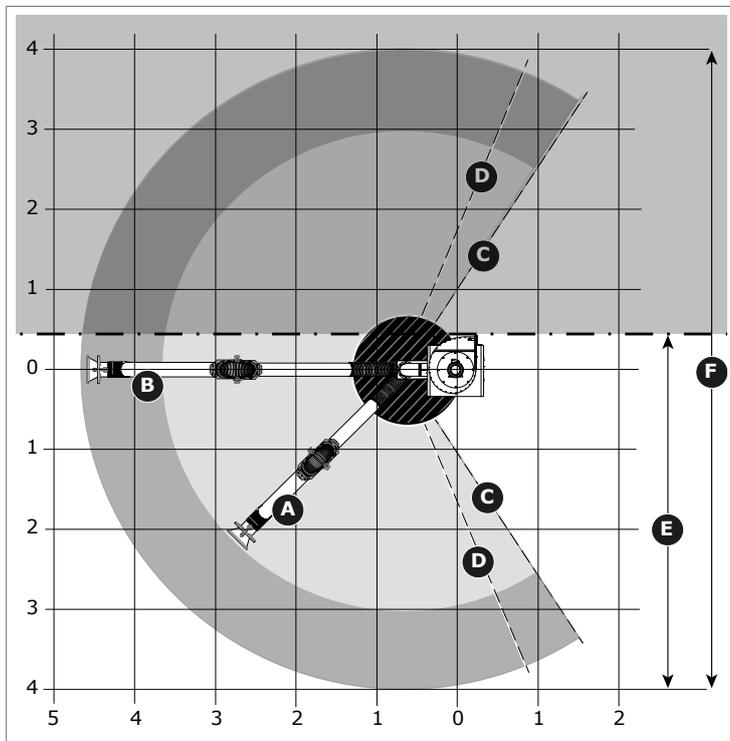


	mm	inch
A	700	27½
B	with FUA-3000: 1991 with FUA-4700: 2059	78¾ 81⅛
C	1236	48⅝
D	975	38¾
E	764	30⅛
F	123	4⅞
G	with KUA-160: Ø 164 with KUA-200: Ø 204	Ø 6½ Ø 8
H	1040	41

WORKING RANGE

WallPro 2.0 Single "DM": the extraction arm is directly mounted to the housing of the filter.

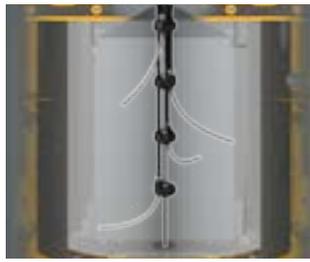
Image: top view; for a side view of the working range per arm, refer to the separate data sheets of the KUA-160 and KUA-200



Max. distance			
A	KUA-160/3H KUA-200/3H	B	KUA-160/4H KUA-200/4H
Max. angle			
C	KUA-160/3H KUA-160/4H	D	KUA-200/3H KUA-200/4H
Mounting position			
E	Wall mounting	F	On a stanchion or similar

WallPro 2.0 Single "EM": the extraction arm is mounted separately from the filter unit. The working range thus depends on the length of the duct between the extraction arm and the filter unit.

FEATURES & BENEFITS



Highly effective **offline** filter cleaning (HyperClean™ system)



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



ControlGo
Control panel for basic fan and filter control



ControlPro
Control panel with integrated HMI for advanced fan and filter control

Intelligent control equipment



The WallPro 2.0 "PowerPlus" – that combines the largest arm diameter with an extra powerful fan – 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

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
Article no.
Product category
Version

WallPro 2.0 Single
refer to Order information
stationary filter units
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