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clean air at work

MULTISMART™ ARM

FLEXIBLE EXTRACTION ARM

Flexible arm with an external balance mechanism. The parallelogram system, along with the gas springs, ensure smooth movement and exact positioning of the arm.

The MultiSmart Arm comes in three different diameters and two lengths. It has been designed for intensive use.



APPLICATIONS

The MultiSmart Arm is intended to be used for the following applications:
- MIG-MAG/GMAW welding
- TIG welding
- FCAW welding
- stick/MMAW welding

SPECIFICATIONS

Physical dimensions and properties	
Material: • tubes • hood • hoses	 • aluminium • sheet metal • PVC with spring steel wire
Colour: • tubes • hood + hoses	 • yellow RAL 1004 • black
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%
Outdoor use allowed	no
Storage conditions	• 5-45°C (41-113°F) • relative humidity max. 90%
Product combinations	
FUA-1800 | FUA-2100	extraction fan
Scope of supply	
Order information	
Number/package	1
Shipping data	
Harmonized Tariff Code	84219990

MOUNTING POSSIBILITIES



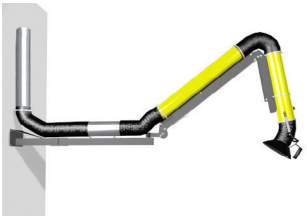
MSA



MSA + PA

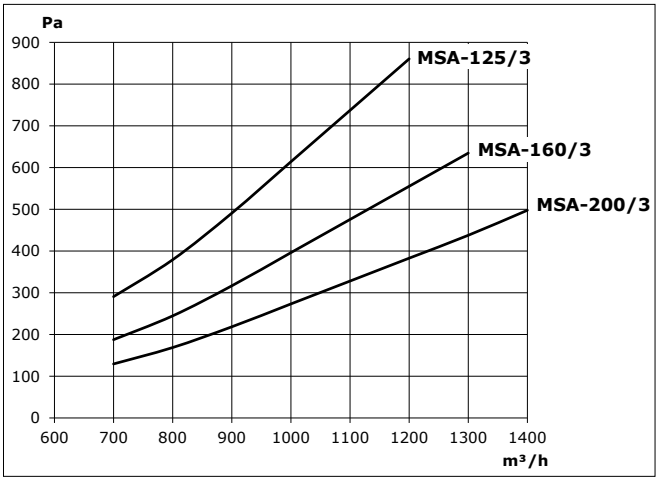


MSA + PA



MSA + SAE

PRESSURE DROP



product data sheet

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Remaining specifications

	MSA-125/3	MSA-125/4	MSA-160/3	MSA-160/4	MSA-200/3	MSA-200/4
Physical dimensions and properties						
Diameter	Ø 125 mm (4.9 in.)		Ø 160 mm (6.3 in.)		Ø 200 mm (7.9 in.)	
Hood opening	Ø 253 mm (10.0 in.)		Ø 288 mm (11.3 in.)		Ø 328 mm (12.9 in.)	
Length	3 m (9.8 ft)	4 m (13.1 ft)	3 m (9.8 ft)	4 m (13.1 ft)	3 m (9.8 ft)	4 m (13.1 ft)
Weight (net)	22,5 kg (50 lbs.)	27,5 kg (61 lbs.)	23,5 kg (52 lbs.)	29 kg (64 lbs.)	24,5 kg (54 lbs.)	30,5 kg (67 lbs.)
Performance						
Max. airflow	400-700 m³/h (240-410 CFM)		800-1400 m³/h (470-820 CFM)		1300-2000 m³/h (770-1180 CFM)	
Options and accessories						
Extension	SAE-125/4	-	SAE-160/4	-	SAE-200/4	-
Stanchion: • 1,1 m • 2,2 m	PA-110 PA-220		PA-110 PA-220		PA-110 PA-220	
Manual on/off switch, hood-mounted	S-100		S-100		S-100	
Manual on/off switch, incl. LED working light	LL-5.5/24-125		LL-5.5/24-160		LL-5.5/24-200	
Shut-off damper	DAMPER-125		DAMPER-160		DAMPER-200	
Product combinations						
Extraction fan	FUA-1800		FUA-1800 FUA-2100		FUA-2100 FUA-3000	
Fan mounting bracket	MB-FUA/S1		MB-FUA/S1		MB-FUA/S1 (FUA-2100) MB-FUA/S2 (FUA-3000)	
Order information						
Art. no.	0000101211	0000101214	0000101212	0000101215	0000101213	0000101216
Alternatively: MSA+SAE		0000101211 0000101253		0000101212 0000101254		0000101213 0000101255
Shipping data						
Gross weight						
Packing dimensions (L x W x H)						
Harmonized Tariff Code	84219990		84219990		84219990	

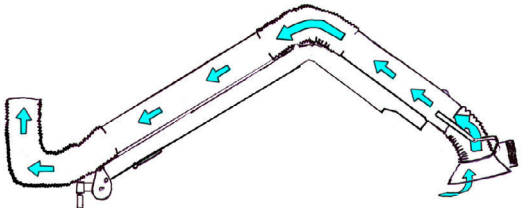
FEATURES & BENEFITS



Parallelogram balance system with internal springs ensures one touch smoothness & outstanding stability



Low maintenance due to external balance mechanism



ClearThru design for maximum air volume



Manual on/off switch on the hood, incl. LED working light (option)

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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	**MultiSmart Arm**
Article no.	*refer to Order information*
Product category	extraction arms
Version	160221/G

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