

## 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:	<ul style="list-style-type: none"> <li>• tubes</li> <li>• hood</li> <li>• hoses</li> </ul>	<ul style="list-style-type: none"> <li>• aluminium</li> <li>• sheet metal</li> <li>• PVC with spring steel wire</li> </ul>
Colour:	<ul style="list-style-type: none"> <li>• tubes</li> <li>• hood + hoses</li> </ul>	<ul style="list-style-type: none"> <li>• yellow RAL 1004</li> <li>• black</li> </ul>

#### Ambient and process conditions

Process temperature:	<ul style="list-style-type: none"> <li>• min.</li> <li>• nom.</li> <li>• max.</li> </ul>	<ul style="list-style-type: none"> <li>• 5°C (41°F)</li> <li>• 20°C (68°F)</li> <li>• 70°C (158°F)</li> </ul>
Max. relative humidity	90%	
Outdoor use allowed	no	
Storage conditions	<ul style="list-style-type: none"> <li>• 5-45°C (41-113°F)</li> <li>• relative humidity max. 90%</li> </ul>	

#### Product combinations

FUA-1800   FUA-2100	extraction fan
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#### Scope of supply

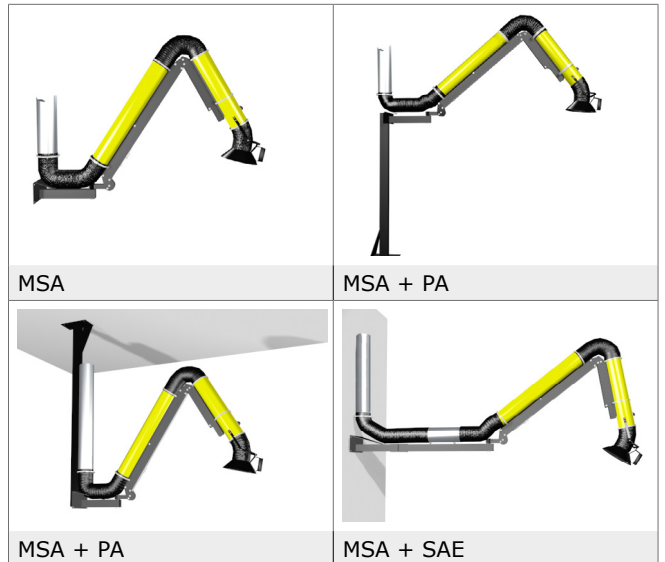
#### Order information

Number/package	1
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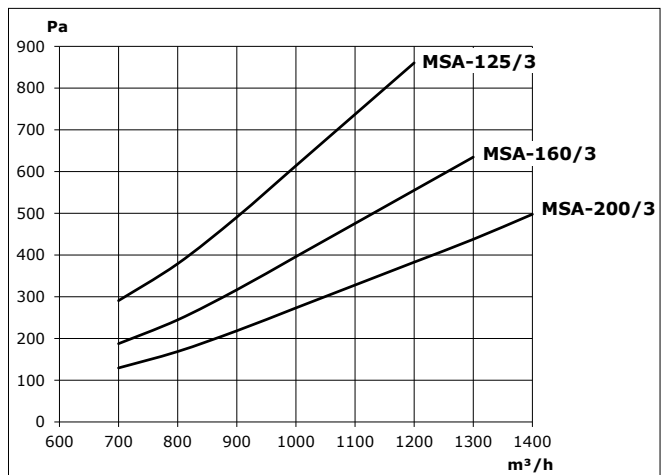
#### Shipping data

Harmonized Tariff Code	84219990
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### MOUNTING POSSIBILITIES



### PRESSURE DROP



**Remaining specifications**

	MSA-125/3	MSA-125/4	MSA-160/3	MSA-160/4	MSA-200/3	MSA-200/4
<b>Physical dimensions and properties</b>						
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.)
<b>Performance</b>						
Max. airflow	400-700 m <sup>3</sup> /h (240-410 CFM)		800-1400 m <sup>3</sup> /h (470-820 CFM)		1300-2000 m <sup>3</sup> /h (770-1180 CFM)	
<b>Options and accessories</b>						
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	
<b>Product combinations</b>						
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)	
<b>Order information</b>						
Art. no.	0000101211	0000101214	0000101212	0000101215	0000101213	0000101216
Alternatively: MSA+SAE		0000101211 0000101253		0000101212 0000101254		0000101213 0000101255
<b>Shipping data</b>						
Gross weight						
Packing dimensions (L x W x H)						
Harmonized Tariff Code	84219990		84219990		84219990	

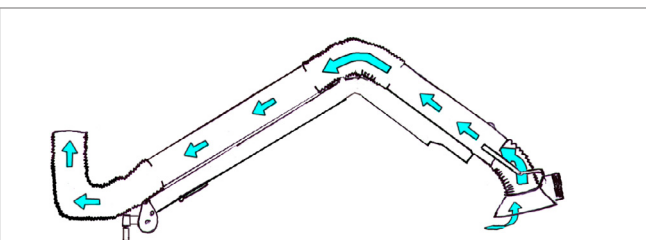
**FEATURES & BENEFITS**



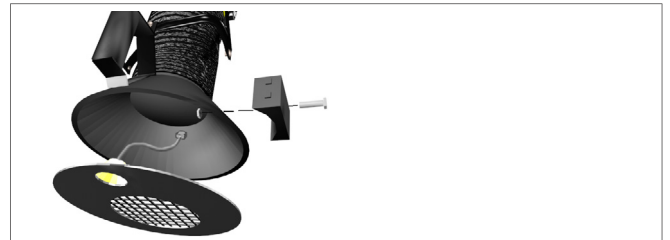
Parallelogram balance system with internal springs ensures one touch smoothness & outstanding stability



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)

**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

Always check the latest version on [www.plymovent.com](http://www.plymovent.com)