

# KUA-160

## FLEXIBLE EXTRACTION ARM

Ball bearing extraction arm with external middle hinge. The removable hood has a safety mesh and a damper. The arm is 360° rotatable.

The KUA-160 arm is available in four different types:

- type **H**: for hanging mounting (wall bracket included)
- type **S**: for standing mounting (e.g. on a mobile unit)
- type **ATEX**: approved for use in explosive environments Zone 22; marking EX II 3D (for hanging mounting only)
- type **H-D**: for hanging mounting, with sealed shut-off damper

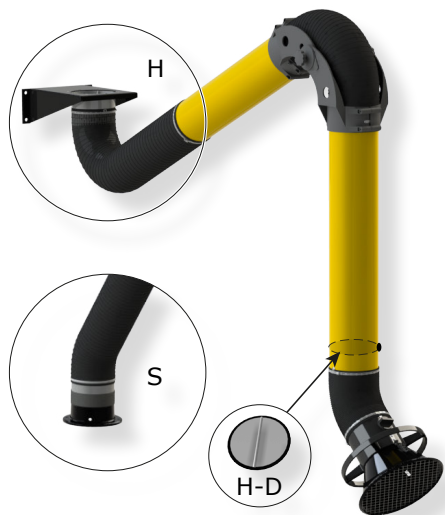
## APPLICATIONS

The KUA-160 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	
Diameter:	<ul style="list-style-type: none"><li>• tubes<ul style="list-style-type: none"><li>• Ø 160 mm (6.3 in.)</li></ul></li><li>• hood opening<ul style="list-style-type: none"><li>• Ø 300 mm (11.8 in.)</li></ul></li></ul>
Material of tubes	aluminium
Material of hoses:	<ul style="list-style-type: none"><li>• types H and S<ul style="list-style-type: none"><li>• PVC with spring steel wire</li></ul></li><li>• type ATEX<ul style="list-style-type: none"><li>• polyethylene with spring steel wire</li></ul></li></ul>
Colour:	<ul style="list-style-type: none"><li>• tubes<ul style="list-style-type: none"><li>• yellow RAL 1004</li></ul></li><li>• hoses<ul style="list-style-type: none"><li>• black</li></ul></li></ul>
Performance	
Recommended airflow	800-1200 m³/h (470-710 cfm)
Ambient and process conditions	
Process temperature:	<ul style="list-style-type: none"><li>• min.<ul style="list-style-type: none"><li>• 5°C (41°F)</li></ul></li><li>• nom.<ul style="list-style-type: none"><li>• 20°C (68°F)</li></ul></li><li>• max.<ul style="list-style-type: none"><li>• 70°C (158°F)</li></ul></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>
Options and accessories	
<b>KUA-160 all types (except for ATEX versions)</b>	
S-100	manual on/off switch for hood mounting
LL-5.5/24-160	manual on/off switch, incl. LED working light



Product combinations	
<b>KUA-160/2H   3H   4H (incl. ATEX versions)</b>	
FUA-1800   FUA-2100	extraction fan
FM-15/160   FM-25/160   FM-35/160   FM-45/160	extension crane
ERC	extraction rail
PA-110/160   PA-220/160	stanchion
SLE-30	extension hose
<b>KUA-160/2S   3S   4S</b>	
MobilePro	mobile fume extractor
Scope of supply	
<ul style="list-style-type: none"><li>• H types: extraction arm (in parts) – Wall bracket</li><li>• S types: extraction arm (in parts)</li></ul>	
Order information	
Number/package	1
Shipping data	
Harmonized Tariff Code	84219990

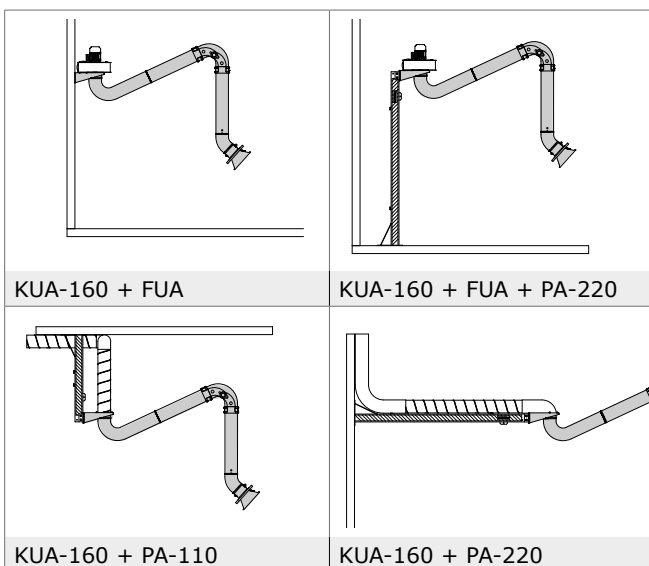
## WORKING REACH

	KUA-160/2H	KUA-160/3H	KUA-160/4H
<b>A</b>	455 mm (1.5 ft)	950 mm (3.1 ft)	1250 mm (4.5 ft)
<b>B</b>	min. 1030 mm (3.4 ft)	min. 1335 mm (4.4 ft)	min. 1525 mm (5.0 ft)
<b>C</b>	max. 2500 mm (8.2 ft)	max. 3350 mm (11 ft)	max. 4040 mm (13.3 ft)

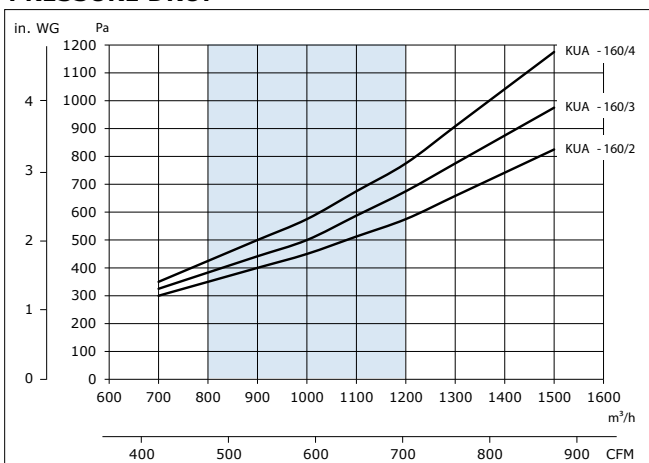
## Remaining specifications

	KUA-160/2H	KUA-160/2S	KUA-160/3H	KUA-160/3S	KUA-160/4H	KUA-160/4S
<b>Physical dimensions and properties</b>						
Length	2 m (6.6 ft)	2 m (6.6 ft)	3 m (9.8 ft)	3 m (9.8 ft)	4 m (13.1 ft)	4 m (13.1 ft)
Weight (net)	18 kg (40 lbs)	14 kg (31 lbs)	19 kg (42 lbs)	15 kg (33 lbs)	21 kg (46 lbs)	17 kg (37 lbs)
<b>Order information</b>						
Art. no.	0000101154	0000101168	0000101157	0000101170	0000101160	0000101173
Art. no. (ATEX)	0000101176	-	0000101178	-	0000101180	-
Art. no. (H-D)	0000101164	-	0000101165	-	0000101166	-
<b>Shipping data</b>						
Gross weight	20 kg (44.1 lbs)	16 kg (35.3 lbs)	21,5 kg (47.4 lbs)	19,5 kg (43.0 lbs)	23 kg (50.7 lbs)	21 kg (46.3 lbs)
Packing dimensions	1200 x 300 x 390 mm (47.2 x 11.8 x 15.4 in.)		2100 x 300 x 500 mm (82.7 x 11.8 x 19.7 in.)		2100 x 300 x 500 mm (82.7 x 11.8 x 19.7 in.)	

## MOUNTING POSSIBILITIES "H" TYPES



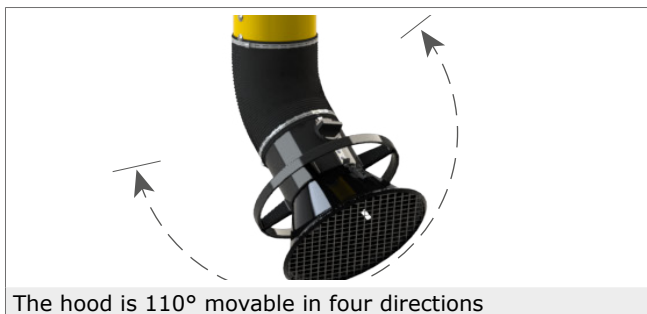
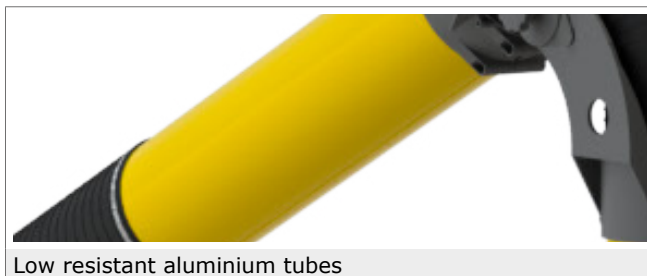
## PRESSURE DROP



## 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

## FEATURES & BENEFITS



Product type

**KUA-160**

Article no.

refer to Order information

Product category

extraction arms

Version

180619/H

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