

KUA-200

FLEXIBLE EXTRACTION ARM

The KUA-200 is a flexible extraction arm with an external middle hinge. The removable hood has a safety mesh. The arm is fitted with a sealed shut-off valve and is 360° rotatable.

The KUA-200 arm is available in three different types:

- type **H**: for hanging mounting (wall bracket included)
- type **S**: for standing mounting (future development)
- type **ATEX**: approved for use in explosive environments Zone 22; marking EX II 3D (for hanging mounting only)



APPLICATIONS

The KUA-200 is intended to be used for the following applications:

- MIG-MAG/GMAW welding
- TIG welding
- FCAW welding
- stick/MMAW welding

- grinding
- polishing
- finishing

SPECIFICATIONS

Physical dimensions and properties	
Diameter:	
• tubes	• Ø 200 mm (7.9 in.)
• hood opening	• Ø 340 mm (13.4 in.)
Material of tubes	aluminium
Colour:	
• tubes	• yellow RAL 1004
• hoses	• black
Performance	
Recommended airflow	max. 1600 m³/h (940 cfm)
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%
Outdoor use allowed	no
Storage conditions	• 5-45°C (41-113°F) • relative humidity max. 90%
Options and accessories	
Arm-fan adapter KUA-FUA	for connection of fan type FUA-1800/ 2100/3000
Product combinations	
KUA-200/3/H 4/H (incl. ATEX versions)	
FUA-1800 FUA-2100 FUA-3000	extraction fan
FlexMax: FM-15/200 FM-25/200 FM-35/200 FM-45/200	extension crane
PA-110/200 PA-220/200	stanchion

Scope of supply

- H types: extraction arm (in parts) – Wall bracket
- S types: extraction arm (in parts)

Order information

Number/package	1
Shipping data	
Harmonized Tariff Code	84219990

WORKING REACH

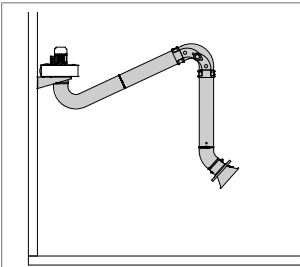
The diagram illustrates the KUA-200 extraction arm with three key dimensions labeled A, B, and C. Dimension A represents the vertical reach from the base to the top of the articulated arm. Dimension B represents the horizontal distance from the base to the vertical support structure. Dimension C represents the total horizontal distance from the base to the end of the arm.

	KUA-200/3/H		KUA-200/4/H	
	mm	ft	mm	ft
A	1150	3.8	1450	4.8
B	1450	4.8	1620	5.3
C	3440	11.3	4130	13.5

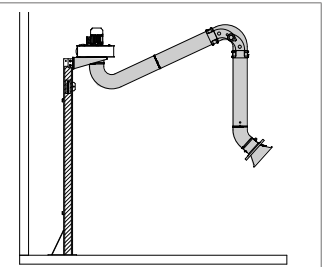
Remaining specifications

KUA-200/	3/H	4/H	3/H ATEX	4/H/ATEX	3/S	4/S
			Extraction arm in accordance with: TRGS 727 & ATEX directive 94/9/EC			
■ Physical dimensions and properties						
Material of hoses	PVC with spring steel wire		polyethylene with copper coated spring steel wire		PVC with spring steel wire	
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)	39 kg (86 lbs.)	41 kg (90 lbs.)	39 kg (86 lbs.)	41 kg (90 lbs.)	34 kg (75 lbs.)	36 kg (79 lbs.)
■ Order information						
Art. no.	0000112775	0000112776	0000113756	0000113757	0000112877	0000112878
■ Shipping data						
Gross weight	41 kg (90 lbs.)	43 kg (95 lbs.)	41 kg (90 lbs.)	43 kg (95 lbs.)	36 kg (79 lbs.)	38 kg (84 lbs.)
Packing dimensions	1740 x 355 x 660 mm (68.5x14x26 in.)	2085 x 355 x 660 mm (82x14x26 in.)	1740 x 355 x 660 mm (68.5x14x26 in.)	2085 x 355 x 660 mm (82x14x26 in.)	1740 x 355 x 660 mm (68.5x14x26 in.)	2085 x 355 x 660 mm (82x14x26 in.)

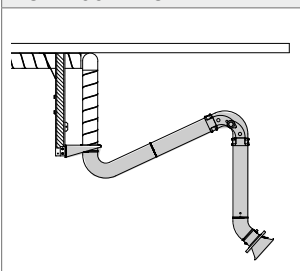
MOUNTING POSSIBILITIES "H" TYPES



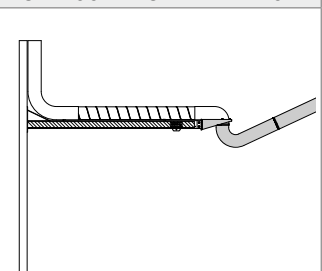
KUA-200 + FUA



KUA-200 + FUA + PA-220

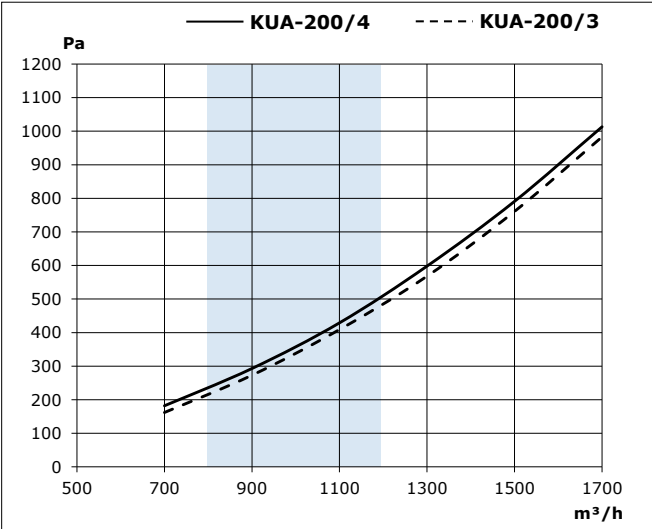


KUA-200 + PA-110/200




KUA-200 + PA-220/200


PRESSURE DROP



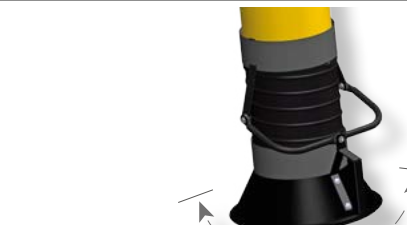
FEATURES & BENEFITS



External middle hinge allows for easy adjustment; no tools required



Low resistant aluminium tubes



The hood is 85° movable in four directions

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	KUA-200
Article no.	refer to Order information
Product category	extraction arms
Version	050418/C
Always check the latest version on www.plymovent.com	