# KUA

# **FLEXIBLE EXTRACTION ARM**

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

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

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

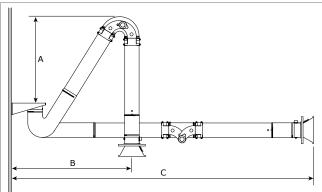
### SPECIFICATIONS

Physical dimensions a	nd properties		
Diameter: • tubes • hood opening	• Ø 160 mm (6.3 in.) • Ø 300 mm (11.8 in.)		
Material of tubes	aluminium		
Material of hoses: • types H and S • type ATEX	<ul> <li>PVC with spring steel wire</li> <li>polyethylene with spring steel wire</li> </ul>		
Colour: • tubes • hoses	• yellow RAL 1004 • black		
Performance			
Recommended airflow	800-1200 m³/h (470-710 cfm)		
Ambient 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	<ul><li>5-45°C (41-113°F)</li><li>relative humidity max. 90%</li></ul>		
Options and accessories	es		
KUA all types (except fo	r ATEX versions)		
S-100	manual on/off switch for hood mounting		
HL-20/24-160	manual on/off switch, incl. working light		
Product combinations			
KUA-2/H   3/H   4/H (ir	ncl. ATEX versions)		



FUA-1800   FUA-2100	extraction fan		
FM-15   FM-25   FM-35   FM-45	extension crane		
ERC	extraction rail		
PA-110   PA-220	stanchion		
SLE-30	extension hose		
KUA-2/S   3/S   4/S			
MobilePro	mobile fume extractor		
Scope of supply			
<ul> <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	8421.9900.99		

## WORKING REACH



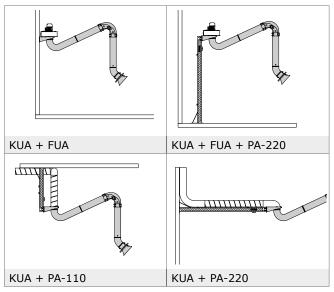
	KUA-2/H	KUA-3/H	KUA-4/H
A	455 mm	950 mm	1250 mm
	(1.5 ft)	(3.1 ft)	(4.5 ft)
В	min. 1030 mm	min. 1335 mm	min. 1525 mm
	(3.4 ft)	(4.4 ft)	(5.0 ft)
С	max. 2500 mm	max. 3350 mm	max. 4040 mm
	(8.2 ft)	(11 ft)	(13.3 ft)

**PLYMFJVENT**<sup>®</sup> clean air at work

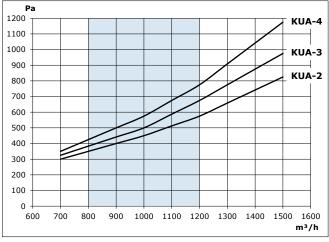
## **Remaining specifications**

	1			[	1	1
	KUA-2/H	KUA-2/S	KUA-3/H	KUA-3/S	KUA-4/H	KUA-4/S
Physical dis	mensions and pro	operties				
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)	18,5 kg (40.8 lbs)	14 kg (30.9 lbs)	21 kg (46.3 lbs)	16 kg (35.3 lbs)	22 kg (48.5 lbs)	17 kg (37.5 lbs)
Order infor	mation					
Art. no.	0000101154	0000101168	0000101157	0000101170	0000101160	0000101173
Art. no. (ATEX)	0000101176	-	0000101178	-	0000101180	-
Art. no. (H-D)	0000101164	-	0000101165	-	0000101166	-
Shipping data	ata					1
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	1200 x 300 x 390 r	300 x 390 mm 1600 x 3		nm	2100 x 300 x 500 mm	
dimensions	(47.2 11.8 x 15.4 i	n.)	(63.0 x 11.8 x 19.7 in.)		(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**



External middle hinge allows for easy adjustment; no tools required



Low resistant aluminium tubes



Product type
Article no.
Product category
Version

# KUA refer to Order information extraction arms 141016/B

Always check the latest version on www.plymovent.com