PLYMOVENT®
clean air at work

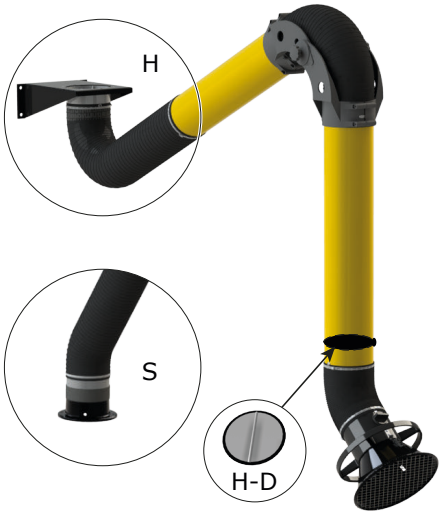
KUA-160

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[1].

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 1 and 21; marking Ex II 2G 2D[2] (for hanging mounting only)
- type **H-D**: for hanging mounting, with sealed shut-off damper

1 KUA-160 ATEX: 359° rotatable due to the litz wire
2 In accordance with TRGS 727 & ATEX Directive 2014/34/EU



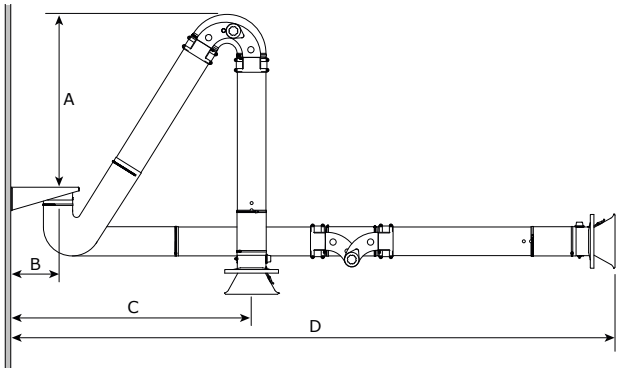
APPLICATIONS

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: • tubes • hood opening	 • Ø 160 mm (6¼ in.) • Ø 300 mm (11¾ in.)
Material of tubes	aluminium
Material of hoses: • types H and S • type ATEX	 • PVC with spring steel wire • polyethylene with spring steel wire
Colour: • tubes • hoses	 • yellow RAL 1004 • black
Performance	
Recommended airflow • min. airflow	800-1200 m³/h (470-710 CFM) 800 m³/h (470 CFM)
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%
Options and accessories	
FlowGuard	airflow sensor
KUA-160 all types (except for ATEX versions)	
S-100	manual on/off switch for hood mounting
LL-5.5/24-160	manual on/off switch, incl. LED working light
Product combinations	
KUA-160/2H | 3H | 4H (incl. ATEX versions)	
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
KUA-160/2S | 3S | 4S	
MobilePro	mobile fume extractor
FM-15/160 | FM-25/160 | FM-35/160 | FM-45/160	extension crane
PA-110/160 | PA-220/160 + art. no. 0000101537	stanchion (wall bracket)
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



	KUA-160/2H		KUA-160/3H		KUA-160/4H	
	mm	ft	mm	ft	mm	ft
A	455	1½	950	3⅛	1250	4⅛
B	265	⅞	265	⅞	265	⅞
C	min. 1030	min. 3⅜	min. 1335	min. 4⅜	min. 1525	min. 5
D	max. 2320	max. 7⅜	max. 3350	max. 11	max. 4040	max. 13¼

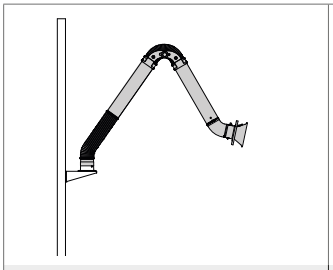
product data sheet

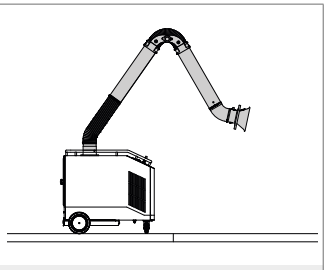
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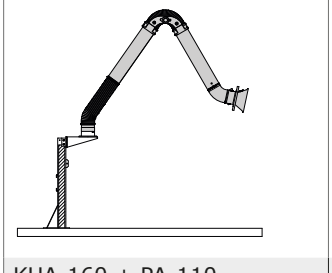
Remaining specifications

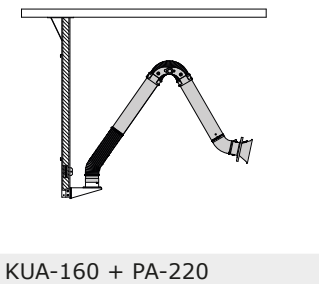
	KUA-160/2H	KUA-160/2S	KUA-160/3H	KUA-160/3S	KUA-160/4H	KUA-160/4S
■ Physical dimensions and properties						
Length	2 m (6½ ft)	2 m (6½ ft)	3 m (9⅞ ft)	3 m (9⅞ ft)	4 m (13⅛ ft)	4 m (13⅛ ft)
Weight (net)	18 kg (40 lbs)	14 kg (31 lbs)	19 kg (42 lbs)	15 kg (33 lbs)	21 kg (46 lbs)	17 kg (37 lbs)
■ Order information						
Art. no.	0000101154	0000101168	0000101157	0000101170	0000101160	0000101173
Art. no. (ATEX)	0000101176	-	0000101178	-	0000101180	-
Art. no. (H-D)	0000101164	-	0000101165	-	0000101166	-
■ Shipping data						
Gross weight	20 kg (44 lbs)	16 kg (35½ lbs)	21,5 kg (47½ lbs)	19,5 kg (43 lbs)	23 kg (51 lbs)	21 kg (46½ lbs)
Packing dimensions	1200 x 300 x 390 mm (47¼ 11¾ x 15⅜ in.)		2100 x 300 x 500 mm (82⅝ x 11¾ x 19⅝ in.)		2100 x 300 x 500 mm (82⅝ x 11¾ x 19⅝ in.)	

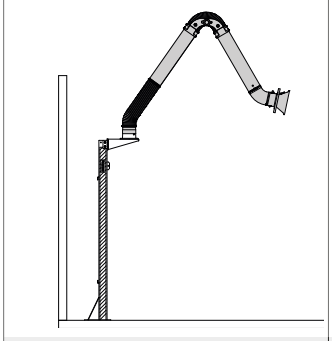
MOUNTING EXAMPLES "S" TYPES

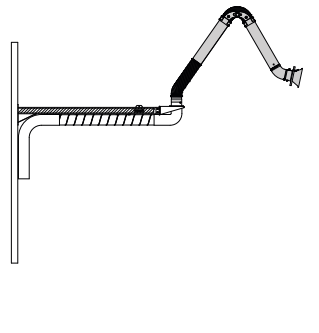

KUA-160 + FUA


KUA-160 + mobile unit

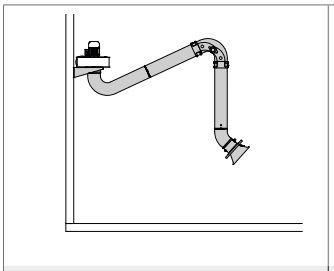

KUA-160 + PA-110

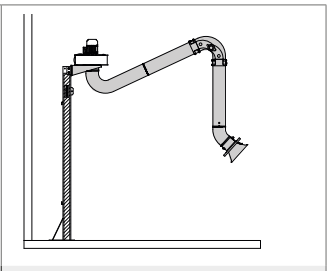

KUA-160 + PA-220

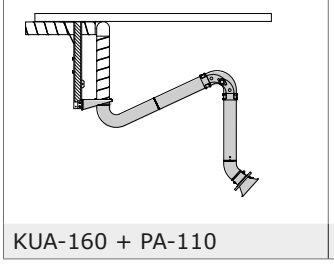

KUA-160 + PA-220

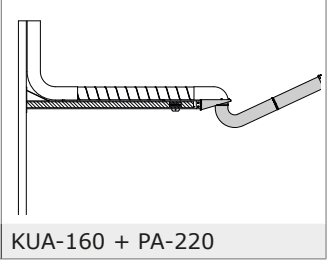

KUA-160 + FlexMax

MOUNTING EXAMPLES "H" TYPES

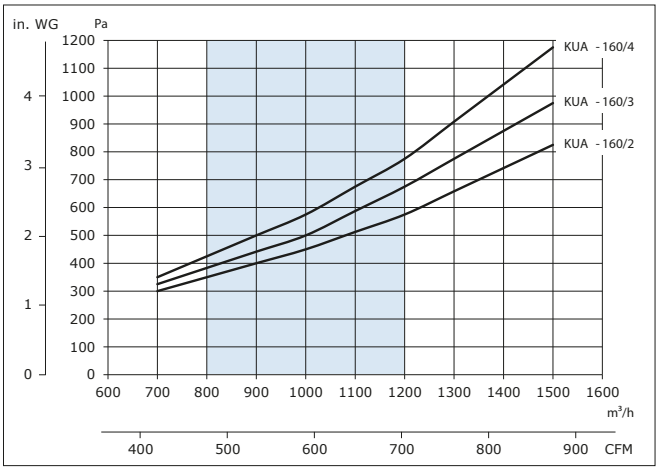

KUA-160 + FUA


KUA-160 + FUA + PA-220


KUA-160 + PA-110


KUA-160 + PA-220

PRESSURE DROP



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FEATURES & BENEFITS



External middle hinge allows for easy adjustment; no tools required



Low resistant aluminium tubes



The hood is 90° movable in four directions

Application restrictions
Do **not** use the product in combination with a filter 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-160**
Article no.	*refer to Order information*
Product category	extraction arms
Version	R

Always check the latest version on **www.plymovent.com**