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

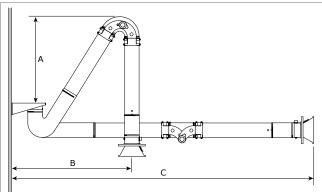
SPECIFICATIONS

| 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 | PVC with spring steel wire polyethylene with spring steel wire | | |
| 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 | 5-45°C (41-113°F)relative humidity max. 90% | | |
| 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 | | | |
| H types: extraction arm (in parts) – Wall bracket S types: extraction arm (in parts) | | | |
| Order information | | | |
| Number/package | 1 | | |
| Shipping data | | | |
| Harmonized Tariff Code | 8421.9900.99 | | |
| | | | |

WORKING REACH



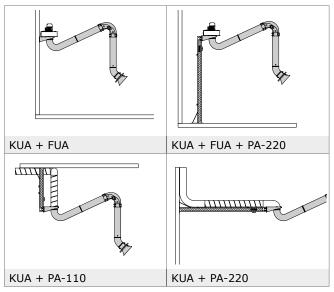
| | KUA-2/H | KUA-3/H | KUA-4/H |
|---|--------------|--------------|--------------|
| A | 455 mm | 950 mm | 1250 mm |
| | (1.5 ft) | (3.1 ft) | (4.5 ft) |
| В | min. 1030 mm | min. 1335 mm | min. 1525 mm |
| | (3.4 ft) | (4.4 ft) | (5.0 ft) |
| С | max. 2500 mm | max. 3350 mm | max. 4040 mm |
| | (8.2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

PLYMFJVENT[®] clean air at work

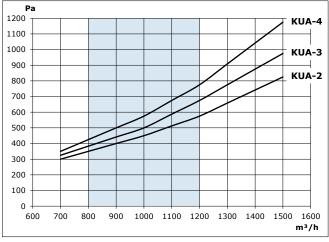
Remaining specifications

| | 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