

# 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 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><li>• Ø 300 mm (11.8 in.)</li></ul></li><li>• hood opening</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><li>• polyethylene with spring steel wire</li></ul></li><li>• type ATEX</li></ul>                        |
| Colour:                                   | <ul style="list-style-type: none"><li>• tubes<ul style="list-style-type: none"><li>• yellow RAL 1004</li><li>• black</li></ul></li><li>• hoses</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><li>• nom.<ul style="list-style-type: none"><li>• 20°C (68°F)</li><li>• 70°C (158°F)</li></ul></li><li>• max.</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                   |  |
| KUA all types (except for 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 (incl. 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 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              |

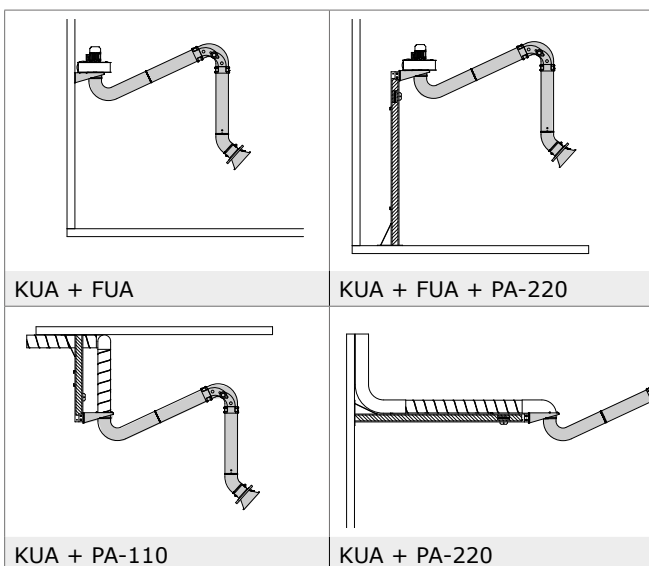
## WORKING REACH

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

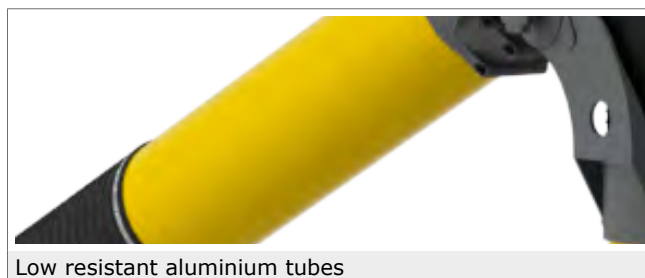
## Remaining specifications

|   | KUA-2/H   | KUA-2/S          | KUA-3/H   | KUA-3/S            | KUA-4/H   | KUA-4/S          |
|---|---|------------------|---|--------------------|---|------------------|
| <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)                              | 18,5 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) |
| <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<br>(47.2 x 11.8 x 15.4 in.) |                  | 2100 x 300 x 500 mm<br>(82.7 x 11.8 x 19.7 in.) |                    | 2100 x 300 x 500 mm<br>(82.7 x 11.8 x 19.7 in.) |                  |

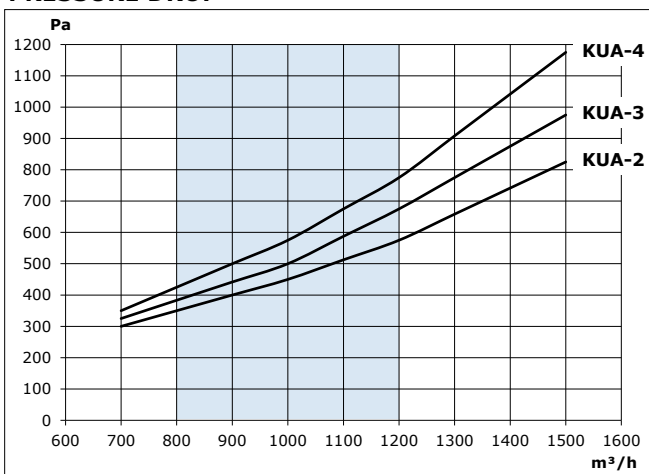
## MOUNTING POSSIBILITIES "H" TYPES



## FEATURES & BENEFITS



## 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

Product type

**KUA**

Article no.

refer to Order information

Product category

extraction arms

Version

120617/D

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