

# Ball-bearing KUA

A superflexible extractor for small and medium sized work places



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**PLYMOVENT**<sup>®</sup>

– an ISO 9001 certified manufacturer

*PlymoVent's "KUA" is the most flexible extraction arm on the market for fume, gases and oilmist.*

*All in all, the perfect solution technically, practically, economically and aesthetically.*

*Take a close look at it!*

*The KUA is, of course, compatible with all other products in the PlymoVent range.*

# Always at hand – PlymoVent's

## At your service.

Unique to the KUA is the combination of inner and outer arm of smooth aluminium tubing connected by a our unique middle joint.

The external easy-to-adjust elbow joint, together with the spring-assisted joint sup-



ported in double ball-bearings, make manoeuvring of the arm a simple, one movement operation. When you move the arms – vertically and horizontally – you use PlymoVent's easy-to-reach ring handle.

You position the arm exactly where you want it, when you want it! The hood can be angled 110° in any direction, which makes anything possible!

The KUA can even reach above its own mounting height, and can be turned through 360°. It can be folded back and put to one side according to your needs. In other words, the KUA will follow you around the workplace smoothly and faithfully.

## Offers you the best.

Another important feature is the construction of the KUA. The inner and outer arms are made of smooth aluminium tubing. This makes the arm more robust, allows better airflow and reduces the overall weight and noise level, even with large volumes of air going through. KUA combines quality with strength and has no equal!



KUA can be mounted on a wall and also on a stanchion (PA-110 and PA-220). The arm has ball-bearings hinges and adjustable friction brakes turning through 360°.



Unique to the KUA is the external mounted middle joint. An innovation which makes the KUA extremely flexible and easy to adjust.



Three alternative fans offer you exactly the extraction capacity you need. We recommend between 800 and 1200 m<sup>3</sup>/h at the hood. The fan fits easily to the mounting bracket of the arm.



The smooth aluminium tubing, which replaces the hose, allows maximum airflow, increases the life span of the arm and reduces the need for servicing and maintenance.



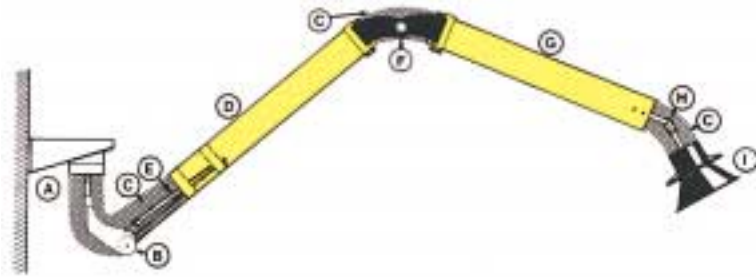
Large, ring handle which can be reached from any position. All manoeuvring is done with just one hand.



The PlymoVent 20 watt halogen lamp cartridge, HL-20/24 is also available – an accessory which compliments the arm.

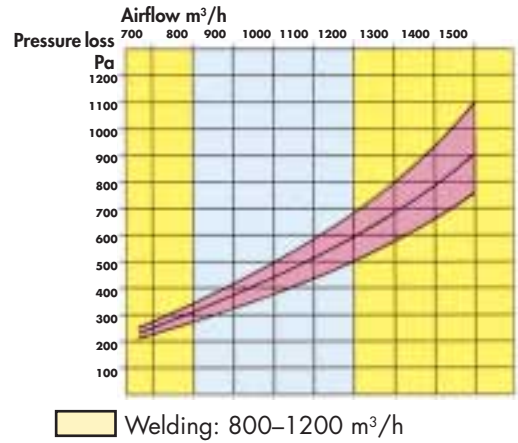
# smooth and easy going KUA

## ESSENTIAL FACTS



- A Wall mounting bracket with ball-bearings and inlet spigot.
- B Inner arm mounting bracket with friction pads for adjustment of tension of arm.
- C Flame-proof double skin flexible hose of PVC-coated woven polyamide with internal steel spiral.
- D Inner arm tubing in aluminium.
- E Tensioned spring.
- F External adjustable elbow joint.
- G Outer arm tubing in aluminium.
- H Universal joint with hood collar and shut-off damper.
- I Hood with safety mesh and quick-fit coupling. Hood opening  $\varnothing$  300 mm. The hood can be turned  $110^\circ$  in all directions.

### Pressure loss chart



### Mounting Examples for KUA



Standing version, for example on a filter.



KUA with standard mounting bracket and individual fan.



KUA wall mounted with stanchion PA-110 or PA-220.

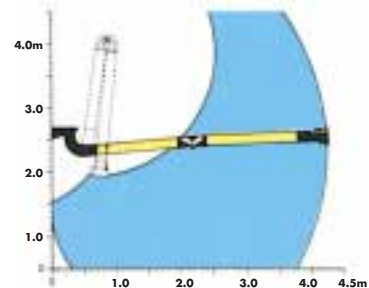


KUA ceiling mounted with stanchion PA-110 or PA-220.

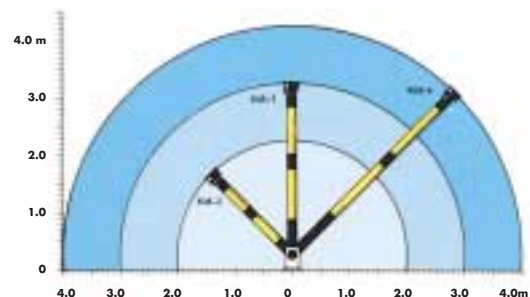


KUA floor mounted with stanchion PA-220 and individual fan.

### Working area of KUA -4



### Maximum reach of KUA -2 -3 -4



The black, anodized metal hood can be angled  $110^\circ$  in any direction. It is detachable, has a safety mesh and a controlspace-handle for the damper.

# Extended reach!

## Traversing KUA-arm on extraction rail

Super flexible extractor for extraction over large working areas or where no permanent work places exist.



PlymoVent's KUA on the extraction rail is a unique product combination, where the most flexible extractor arm on the market has been mounted on a carriage, that allows it to run along on an extraction rail.

The KUA-arm is technically, economically and aesthetically the perfect solution for small and medium sized work places.

Together with the extraction rail, the KUA-arm is not only the most flexible extractor on the market for fume, gases and oilmist, but it also has a

reach that is only limited by the length of the rail.

Ideal where no permanent work places exist or for extended working areas.

The KUA can rotate through 360° and has a reachable radius of up to 4 metres, either side of the extraction rail.

### Superior flexibility

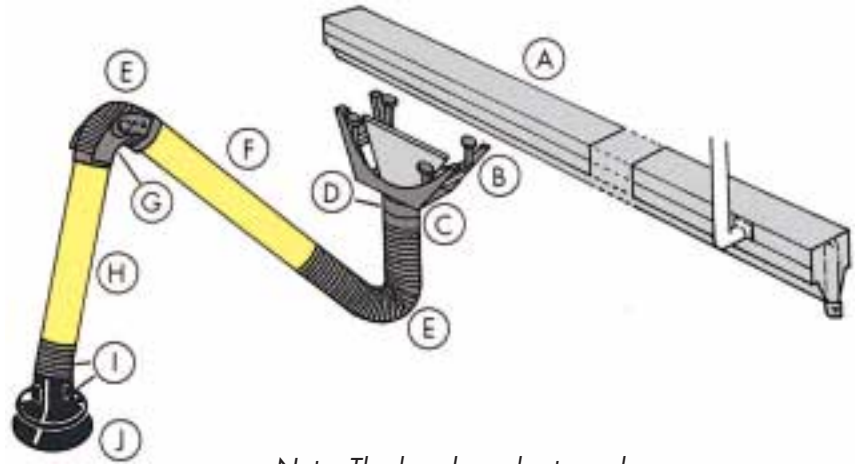
The extraction rail consists of extruded aluminium profile in lengths of 5,8 metres, for ceiling or wall mounting.

The length can be joined to suit individual requirements.

The KUA-arm is mounted on a carriage, which runs along the aluminium profile. When the carriage is moving a suction cone slides between sealing rubber mouldings which are held in a slot on the underside of the profile. Through the KUA-arm via the suction cone fume and gases are sucked away into the extraction rail.

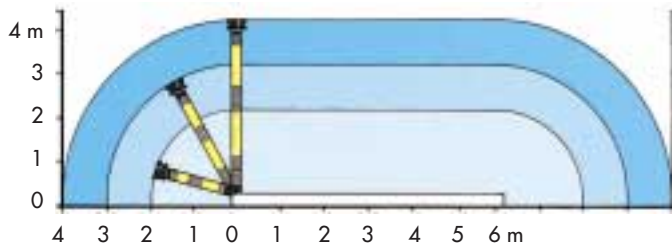
# ESSENTIAL FACTS

- A Extraction rail with self-sealing rubber mouldings.
- B Mobile carriage with cone and swivel joint.
- C Wall mounting bracket with ball-bearings.
- D Inner arm mounting bracket with friction pads for adjustment of tension of arm.
- E Flame-proof double skin flexible hose, PVC-coated with woven polyamide and internal steel spiral.
- F Aluminium inner arm ducting.
- G External adjustable elbow joint.
- H Aluminium outer arm ducting.
- I Universal joint with hood collar and shut-off damper.
- J Hood with safety mesh and quick-fit coupling.

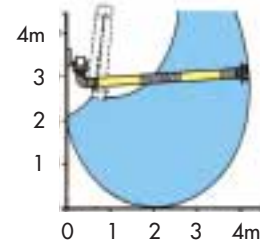


*Note: The hood can be turned through 110° in all directions. Hood opening 300 mm diam.*

**Maximum coverage KUA-2, -3 and -4**



**Working area of KUA-4**



# TECHNICAL DATA

## Ball-bearing jointed extraction arms KUA

(Wall bracket, arm, hose and hood with damper included)

Prod. No.	Max. working radius in m	Hose diameter mm	Recommended airflow at hood m <sup>3</sup> /h
KUA-2	2,0	160	800-1200
KUA-3	3,0	160	800-1200
KUA-4	4,0	160	800-1200



## Fans for mounting directly to wall bracket

(Note! The fans should be fitted with recommended motor overload)

Prod. No.	Airflow freeblowing	Motor kW	Voltage	Motor overload Amps	Prod. No. Motor overload	Approx. airflow at the hood with 10 m outlet duct
FUA-1300	1400 m <sup>3</sup> /h	0,37	400 V, 3-ph	1,0 - 1,1	MS-1.0/2.9*	950 m <sup>3</sup> /h
FUA-1301	1400 m <sup>3</sup> /h	0,37	230/110 V, 1-ph	2,7 - 2,8	MS-1.0/2.9*	950 m <sup>3</sup> /h
FUA-1800	1800 m <sup>3</sup> /h	0,55	400 V, 3-ph	1,4 - 1,5	MS-1.0/2.9*	1200 m <sup>3</sup> /h
FUA-2100	2160 m <sup>3</sup> /h	0,75	400 V, 3-ph	1,9 - 2,0	MS-1.0/2.9*	1300 m <sup>3</sup> /h
FUA-2101	2160 m <sup>3</sup> /h	0,75	230/110 V, 1-ph	5,0 - 5,2	MS-3.7/12.0*	1300 m <sup>3</sup> /h

\*For installation in starter panel.

## Complementary products and accessories

### Stanchions for ceiling, floor or wall mounting

Prod. no.	Length mm
PA-110	1100
PA-220	2200

### Halogen lamp cartridge

Prod. no.	Rating
HL-20/24	20 watt/24 V

## Extraction arm on extraction rail

### Prod. no. Equipment

ERC-5.8 Complete traversing extraction system with 5,8 m exhaust rail, carriage, 2 complete supports and 2 end sockets (of which one is for hose connection)

Note! The KUA-arm has to be ordered separately!

### Supplementary equipment

(for extension of the extraction rail)

Prod. no.	Description
ER-5.8	Extraction rail (module 3) excl. rubber mouldings, L = 5,8 m
ER-X	Extraction rail (module 3) excl. rubber mouldings, L = 1-5 m (Indicate requested length)
ERS	Splicing sleeve for joining of exhaust rails
ERSV	Suspension for suction rail
ERCE-160	End connection adapter 160 mm diam.
EREC	End socket
ERCT-160	Connection socket for connection other than at the end of extraction rail
ERRS-X	Rubber moulding for extraction rail
ERC-160	Mobile carriage for mounting on KUA-arm

