

ECONOMY ARM

FLEXIBLE EXTRACTION ARM

Hose tube arm with spring balanced support mechanism. The hood has a safety mesh and a shut-off damper. The arm is 360° rotatable.

- The EconomyArm arm is available in two different types:
- type **H**: for hanging mounting (wall bracket included)
 - type **S**: for standing mounting (e.g. on a mobile unit)



APPLICATIONS

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

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

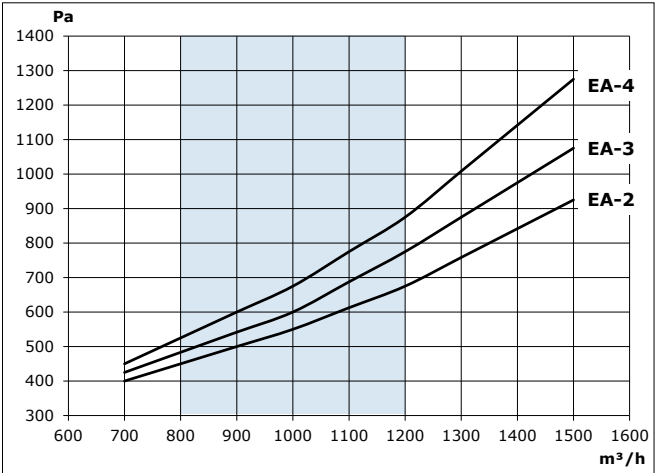
SPECIFICATIONS

Physical dimensions and properties	
Diameter:	<ul style="list-style-type: none">• tubes• hood opening
	<ul style="list-style-type: none">• Ø 160 mm (6¼ in.)• Ø 300 mm (11¾ in.)
Material of hose	flame-retardant PVC, reinforced with spring steel wire
Colour	black
Performance	
Recommended airflow	800-1200 m³/h (470-710 cfm)
• min. airflow	• 800 m³/h (470 cfm)
Ambient conditions	
Process temperature:	<ul style="list-style-type: none">• min.• nom.• max.
	<ul style="list-style-type: none">• 5°C (41°F)• 20°C (68°F)• 70°C (158°F)
Max. relative humidity	90%
Suitable for outdoor use	no
Storage conditions	<ul style="list-style-type: none">• 5-45°C (41-113°F)• relative humidity max. 90%
Options and accessories	
S-100	manual on/off switch for hood mounting
LL-5.5/24-160	manual on/off switch, incl. LED working light
Product combinations	
EA-2/H EA-3/H EA-4/H	
FUA-1800 FUA-2100	extraction fan
FM-15 FM-25 FM-35 FM-45	extension crane
ERC	extraction rail
PA-110/160 PA-220/160	stanchion

SLE-30	extension hose
EA-2/S EA-3/S EA-4/S	
MobilePro	mobile fume extractor
Scope of supply	
<ul style="list-style-type: none">• H types: hose tube arm (in parts) – Wall bracket• S types: hose tube arm (in parts)	
Order information	
Number/package	1
Logistics data	
Harmonized Tariff Code	84219990

Remaining specifications: see table on next page

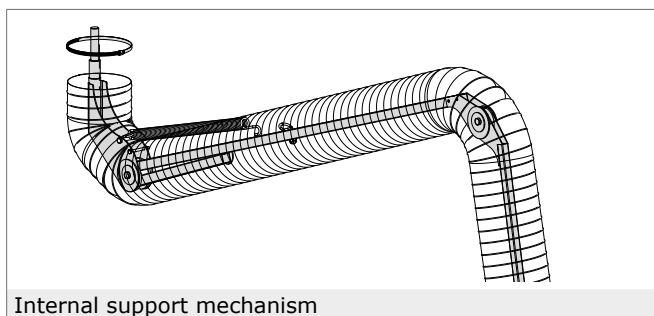
PRESSURE DROP



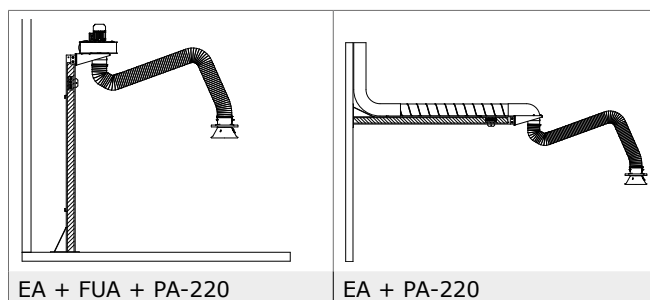
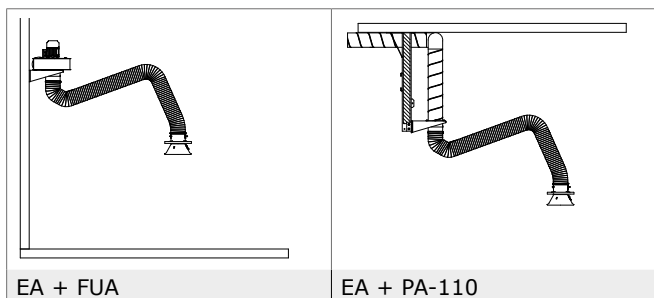
Remaining specifications

	EA-2/H	EA-2/S	EA-3/H	EA-3/S	EA-4/H	EA-4/S
■ Physical dimensions and properties						
Length	2 m (6½ ft)	2 m (6½ ft)	3 m (9¾ ft)	3 m (9¾ ft)	4 m (13 ft)	4 m (13 ft)
Weight (net)	18,5 kg (41 lbs.)	14,5 kg (32 lbs.)	20,5 kg (45 lbs.)	16,5 kg (36 lbs.)	24 kg (53 lbs.)	20 kg (44 lbs.)
■ Order information						
Art. no.	0000101141	0000111793	0000101143	0000101149	0000101146	0000101151
■ Shipping data						
Gross weight	19,5 kg (43 lbs.)	15,5 kg (34 lbs.)	22 kg (49 lbs.)	18 kg (40 lbs.)	26 kg (57 lbs.)	22 kg (48½ lbs.)
Packing dimensions	1200 x 300 x 400 mm (47 x 12 x 15¾ in.)	1600 x 300 x 500 mm (63 x 12 x 19¾ in.)		2100 x 300 x 500 mm (82¾ x 12 x 19¾ in.)		2270 x 300 x 500 mm (89½ x 12 x 19¾ in.)

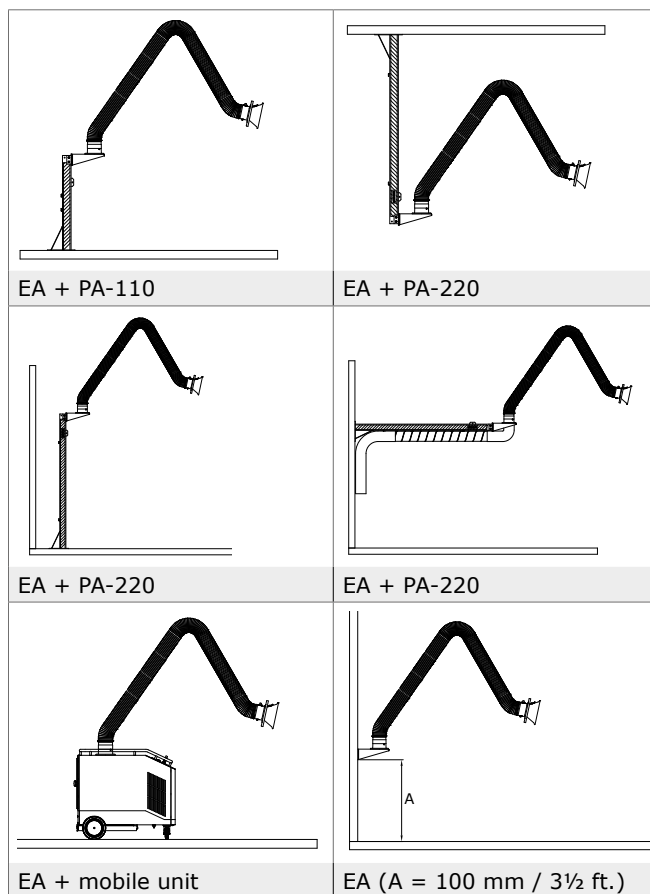
FEATURES & BENEFITS



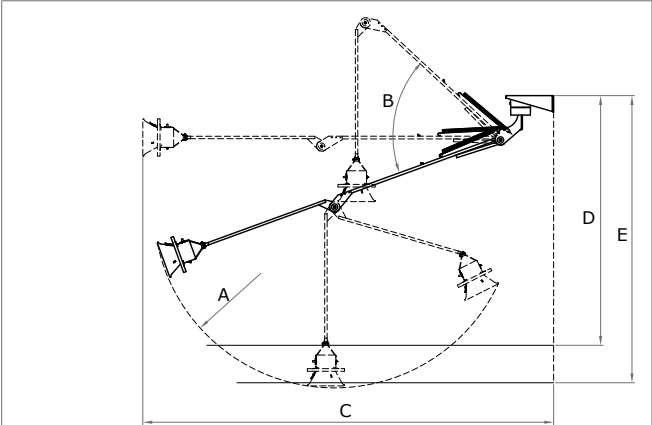
MOUNTING EXAMPLES "H" TYPES



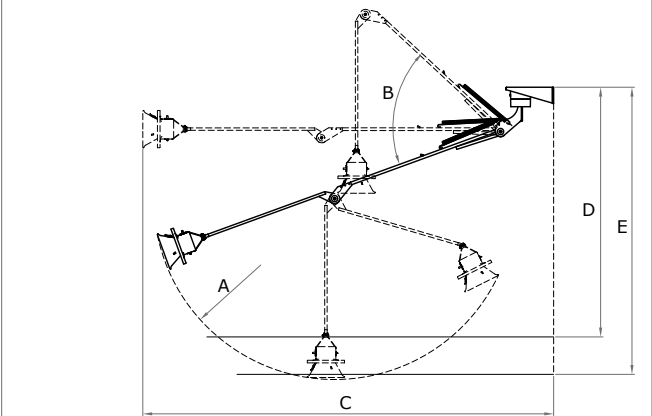
MOUNTING EXAMPLES "S" TYPES



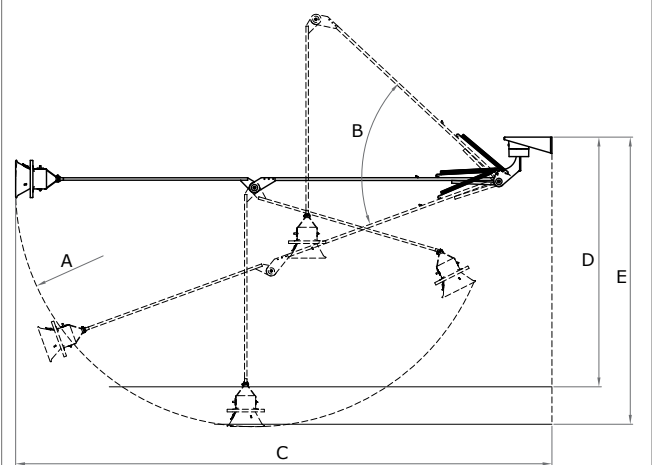
WORKING REACH



EconomyArm-2/H



EconomyArm-3/H



EconomyArm-4/H

	EA-2/H		EA-3/H		EA-4/H	
A	R962		R1449		R1914	
B	63°		63°		63°	
	mm	ft	mm	ft	mm	ft
C	2346	7½	3291	11	4296	14
D	2000	6½	2000	6½	2000	6½
E	2300	7½	2300	7½	2300	7½

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

Article no.

Product category

Version

Economy Arm

refer to Order information

extraction arms

120321/E

Always check the latest version on www.plymovent.com