



Flexible extraction arm with many key advantages

FUMEX PR - the most adaptable industrial extraction arm on the market, designed to effectively cleanse the work environment of airborne contaminants. User-friendly, practical and durable design with external aluminium support arms and a hood with exceptional capture performance.

FUMEX PR is available in the lengths 1500 / 2000 / 3000 / 4000 / 5000 / 7000 / 9000 / 11000 mm, and the dimensions Ø100 / 125 / 160 mm.



Unique manoeuvrability, exceptional positional stability, and hood with exceptional capture performance.

Lowest possible pressure drop

The external design, with gas springs for counterbalance, provides both flexibility and positional stability, as well as the lowest possible pressure drop with little risk of blockage. Compared to extraction arms with internal support arms and joints, the PR has approximately 50 % lower pressure drop, and the hose is significantly easier to clean.

External support arms with dual gas springs

Externally mounted support arms are always preferable to extraction arms with the load-bearing components fitted inside the suction tube. Primarily because this always provides the lowest possible pressure drop, but also because external support arms make the friction joints more easily accessible for adjustments. The support arm is also made of aluminium, helping to reduce the weight of the extraction arm.

Accessories

Accessories include an extension hose as well as LED lighting and switches for controlling the fan/damper.

PR available in three versions



PR STD

The standard version. Brackets in powder-coated steel. Support arms in anodised aluminium and joints in anthracite grey PA6 & PP. **FUMEX Q-MaiD™** quick hose connection. Air-tight damper. Hood designed in accordance with EU standards. Injection moulded in anthracite grey PA6 with hood guard in anodised aluminium. Hose in dark blue PVC-coated polyamide fabric.

PR CR

Designed for the extraction of corrosive gases. White brackets in powder-coated steel. Support arms in anodised aluminium and joints in white PA6 & PP. FUMEX Q-MaiD™ quick hose connection. Air-tight damper. White hood with anthracite grey handle in PP and black hood guard in PE. Stainless steel screws. Fasteners coming into contact with the extracted air in corrosion-resistant material. Hose in white PE-coated polyamide fabric.

PR WHITE

White brackets in powder-coated steel. Support arms in anodised aluminium and joints in white PA6 & PP. **FUMEX Q-MaiD™** quick hose connection. Air-tight damper. White hood with anthracite grey handle, injection moulded in PP with hood guard in anodised aluminium. Hose in white PVC-coated polyamide fabric.

Also available in ATEX

See separate product sheet or scan the QR code.

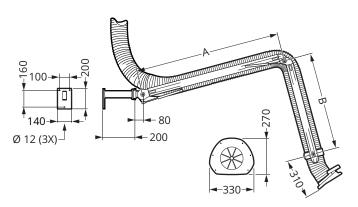






Dimensional drawing (mm)

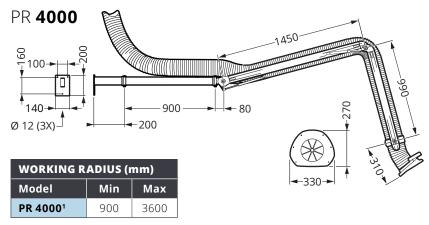
PR **1500/2000/3000**



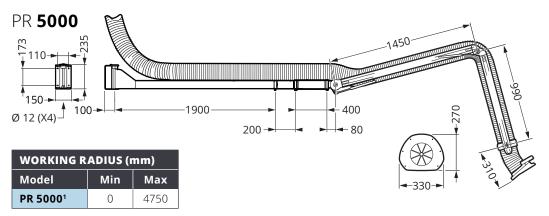
DIMENSION	DIMENSIONS (mm)	
Model	Α	В
PR 1500	420	490
PR 2000	950	490
PR 3000	1450	990

WORKING R	ADIUS (r	nm)
Model	Min	Max
PR 1500 ¹	250	1000
PR 2000 ²	350	1450
PR 3000 ²	0	2700

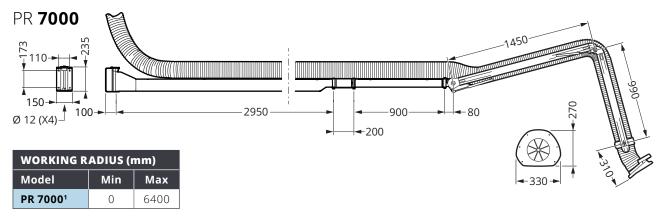
- ¹ At 1800 mm installation height and 750 mm working height.
- ² At 2100 mm installation height and 750 mm working height.



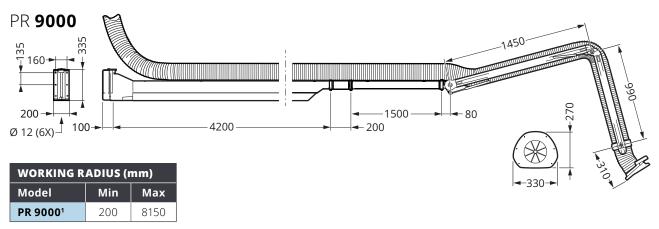
¹ At 2100 mm installation height and 750 mm working height.



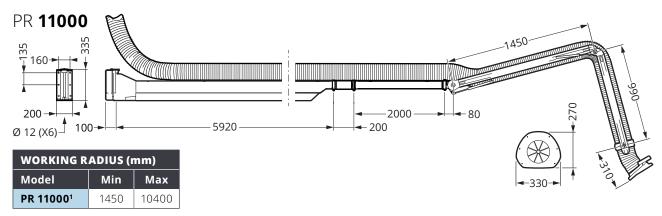
¹ At 2500 mm installation height and 750 mm working height.



¹ At 2500 mm installation height and 750 mm working height.



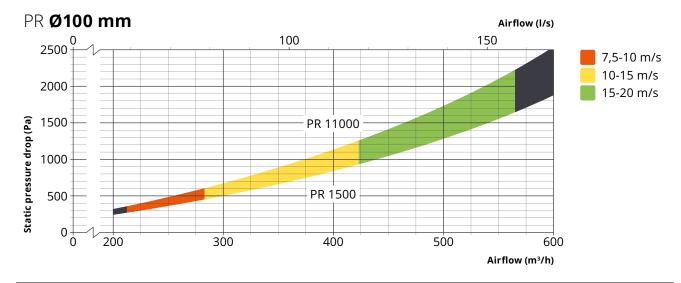
¹ At 2500 mm installation height and 750 mm working height.

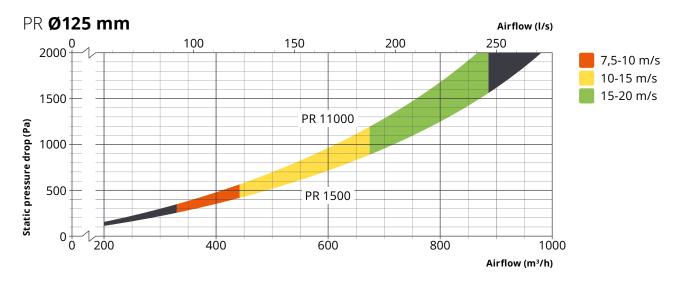


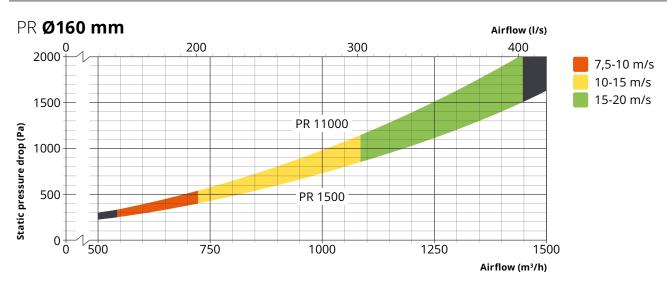
¹ At 2500 mm installation height and 750 mm working height.

Pressure drop diagram

The pressure drop varies depending on the positioning of the extraction arm. Measurement of pressure drop is made with the extraction arm positioned according to the dimensional drawing on pages 6 & 7.







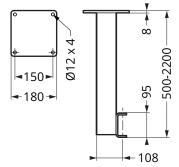
Brackets (ceiling/floor)

FUMEX PR includes a wall bracket as standard. The following fixtures are available for mounting on ceilings and floors.

PTX

Ceiling and floor bracket. 180° of rotation. Suitable for PR 1500/2000/3000/4000.



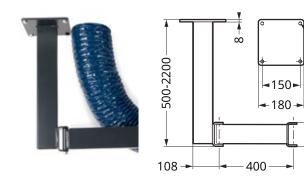


PTX	500	1000	1500	2000	2200¹
Length (mm)	500	1000	1500	2000	2200
Weight (kg)	5	7,5	10	12,7	14

¹ Floor bracket

PTX 180

Ceiling and floor bracket. 360° of rotation. Suitable for PR 1500/2000/3000/4000.



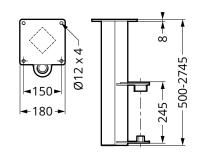
PTX 180	500	1000	1500	2000	2200¹
Length (mm)	500	1000	1500	2000	2200
Weight (kg)	6,7	9,3	12	14,5	15,5

¹ Floor bracket

PTZ

Ceiling and floor bracket. 180° of rotation. Suitable for PR 5000/7000.





PTZ	500	1000	1500	2000	2500¹
Length (mm)	500	1000	1500	2000	2500
Weight (kg)	7,6	12	16,6	21,2	25,7

¹ Floor bracket

PRSV

Complete swivel kit for PTX. Provides 360° of rotation. Supplied with the necessary fixtures and fittings. Suitable for PR 1500/2000/3000.



Accessories



PUSH BUTTON PR S

Push button for controlling the fan and/or damper. Including cable routing.



WORK LIGHTING PR LS

Work lighting (LED). Dimmable with adjustable positioning. Built-in push button with LED-indicator for controlling the fan and/or damper. Including cable routing.

Power supply via separate transformer or control unit.

Technical data - LED

¹ Dimmable 100 - >10 %



POWER SUPPLY **ST 24** LED power supply unit.

Technical data - ST 24

Primary voltage:	100-240 VAC
Secondary voltage:	24 VDC
Frequency:	50/60 Hz
Output current:	340 mA
Power:	8,16 W

Power supply and control

PR S/LS requires separate power supply and control. It can both be powered and controlled via Fumex control units **\$200/24 / \$400 / \$600**.

If only LED lighting is used, it can alternatively be powered by the **ST 24** DC PSU.

Talk to your dealer or directly with Fumex and find your optimal solution.



EXTENSION HOSE PFS 4000/8000

With magnetic nozzle and quick coupling suitable for PR arm. Available in the lengths 4000 and 8000 mm. Suitable for PR dimensions Ø125 and 160 mm.



FRICTION BRAKE PR 100-6340

Suitable for PR with bar. A friction brake is used to make the extraction arm even easier to position while ensuring that it stays in place. Mounted under the wall bracket swivel.

Included as standard with PR 9000/11000 and available as an accessory for PR 5000/7000.

Get the right accessories

When ordering accessories for your FUMEX product, it is important that you specify your product model and version when placing your order. Talk to your dealer or Fumex sales staff to ensure the best service.



SWIVEL HOOD PRH 800

Hood with 360° swivel function. Enables a larger working area, such as when welding. Inserted into the PR hood with 2 internal fasteners to ensure that it is firmly attached. Supplied with the necessary fixtures and fittings. Suitable for PR 2000-11000, dimension Ø160 mm



GLAZIER'S HOOD PRG

Glazier's hood with suction channel around the outside edge. Enables a larger working area, such as when gluing and joining glass. Supplied with the necessary fixtures and fittings. Replaces the standard hood. Suitable for PR 2000-11000, dimension Ø160 mm.



SPARK TRAP PR ST

Protects the extraction arm from large particles and reduces the risk of sparking. Mounted on the extraction arm's suction nozzle.



Aplication for lab Concrete works Aplication for lab Sandblasting

Wide Range of Applications

FUMEX PR is not limited to welding and industrial environments, as many might believe. PR can be used in a wide range of work environments for a variety of tasks. See examples of different environments in the table of recommended airflow rates below.

Recommended airflow

Activity	Dimension (mm)	Airflow		
Welding (general)	Ø125	800 m³/h	222 l/s	
Welding (heavy)	Ø160	1000 - 1400 m³/h	278 - 389 l/s	
Industrial gases and particles	Ø100 Ø125	250 - 450 m³/h 500 - 800 m³/h	69 - 125 l/s 139 - 222 l/s	

Specifications

Form of delivery

The extraction arm is delivered partially assembled with a wall bracket for easy installation.

Surface finish

Aluminium parts: Ar	nodised
Steel parts:Bl	ack oxide, chromate conversion
or	powder coated
Plastic components: PA	A6, PA6 30% GF, PE,
PF	² 30%, GF, TPE

Weight (excl. hose)

Model	Weight (kg)
PR 1500:	9
PR 2000:	10
PR 3000:	12
PR 4000:	15
PR 5000:	23
PR 7000:	37
PR 9000:	52
PR 11000:	64

Hose

PR STD (blue) / WHITE

Material:	PVC-coated polyamide fabric with
	fully embedded spring steel coil
Properties:	Flame-resistant, suitable
	for welding and flue gases
Temperature range:	-10°C to +90°C
Dimensions (Ø):	100/125/160 mm

PR CR

Material:	. PE-coated polyamide fabric
Properties:	. Flame-resistant, suitable
	for welding and flue gases
Temperature range:.	10°C to +90°C
Dimensions (Ø):	. 100/125/160 mm

Other hose qualities?

Hose qualities that can withstand aggressive chemicals and other specific hose requirements can be met upon request. Please contact Fumex.

EXTRACTION ARMS · VEHICLE EXHAUST EXTRACTION · FANS · FILTERS · CURTAINS · CONTROLS

