

# MOVEX PR EXC



***Local extractor for explosive environments.  
Safe equipment when handling explosive gases and dust.***



New technology in combination with new materials and a focus on design gives the MOVEX PR EXC many new and important features and advantages:

- Stable grounded structure with EX coating.
- Unique ease of maneuverability.
- High positional stability.
- Hood designed for maximum capture efficiency and extraction.
- Flexible PE hose, fully grounded.
- Non EX coated metal parts in stainless steel.

PR EXC's design is based on MOVEX's basic principles:

- External arm support.
- Hose dimensions according to requirements: 4, 5, 6 or 8 inches.
- Supplied partially assembled for ease of installation.

MOVEX PR EXC is manufactured in accordance with the ATEX directive 2014/34/EU category 2 for gases and dust.

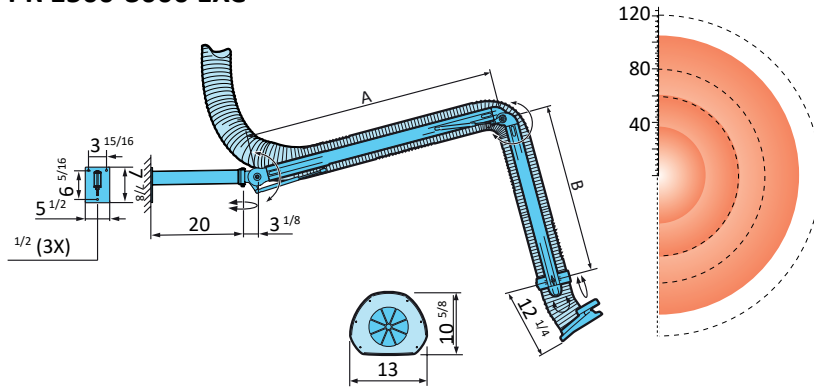
PR EXC is delivered standard with a wall bracket.

MOVEX PR EXC is available in the lengths 5, 7, 10, 13, 16 & 23 feet.

*The Movex range also includes fans, accessories, automatic control and filters for local extraction*

**LOCAL EXTRACTORS  
Pure advantage**

**PR 1500-3000 EXC**



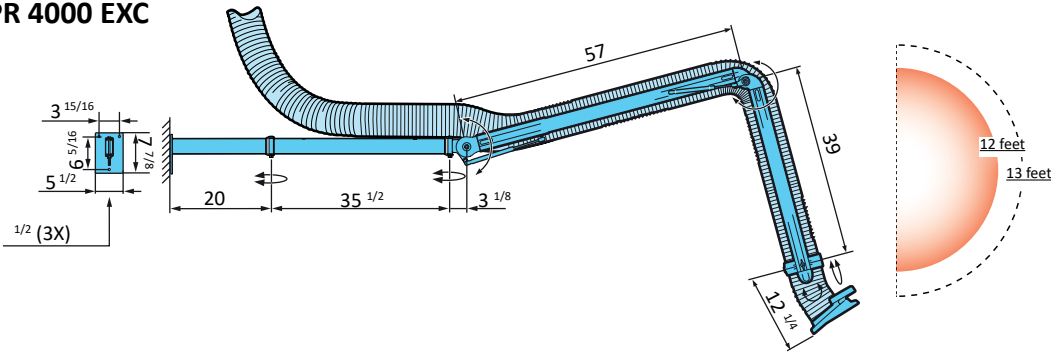
	A (inch)	B (inch)	Work. Radius (inch)	Max. Radius (inch)
<b>PR 1500 EXC</b>	16 1/2	19	36*	60
<b>PR 2000 EXC</b>	37 1/2	19	57**	80
<b>PR 3000 EXC</b>	57	19	106**	120

Working radius  
Max. radius

\*At a mounting height of 6 ft and a working height of 2 ft, 6 in.

\*\*At a mounting height of 7 ft and a working height of 2 ft, 6 in.

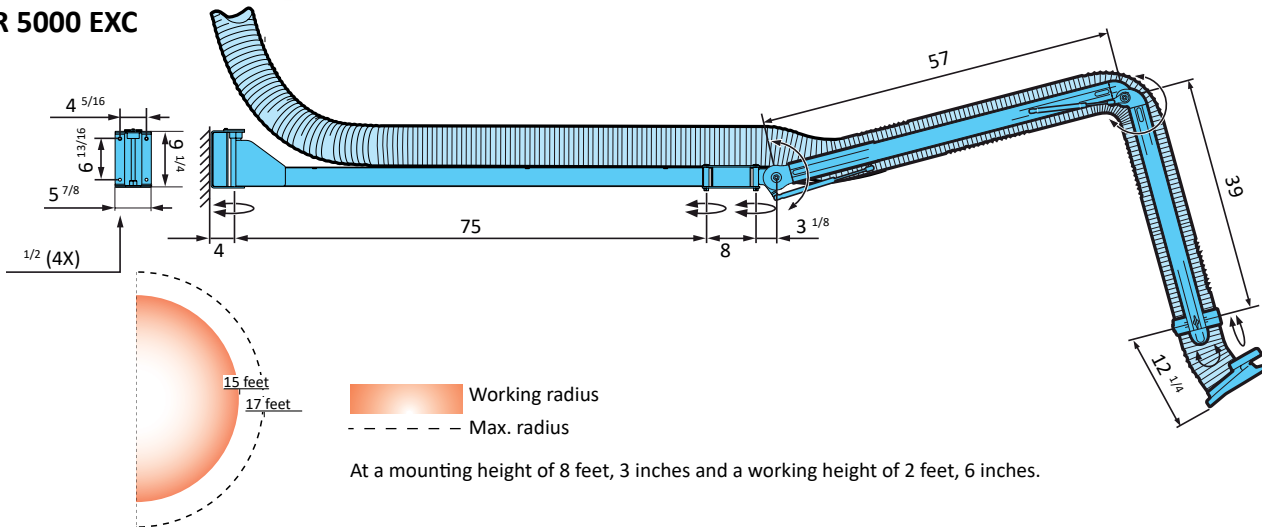
**PR 4000 EXC**



Working radius  
Max. radius

At a mounting height of 7 feet and a working height of 2 feet, 6 inches.

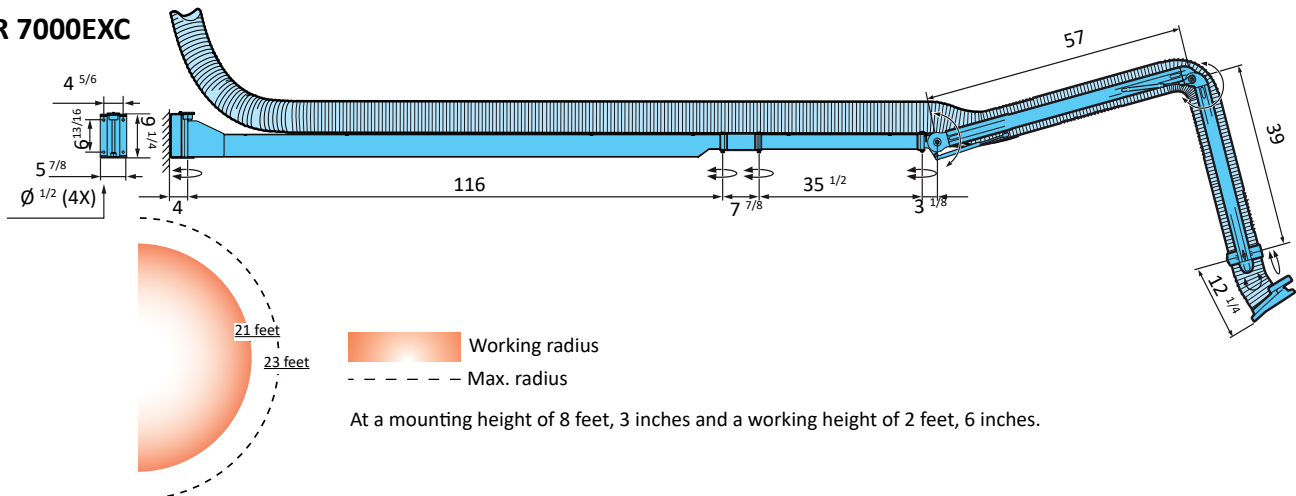
**PR 5000 EXC**



Working radius  
Max. radius

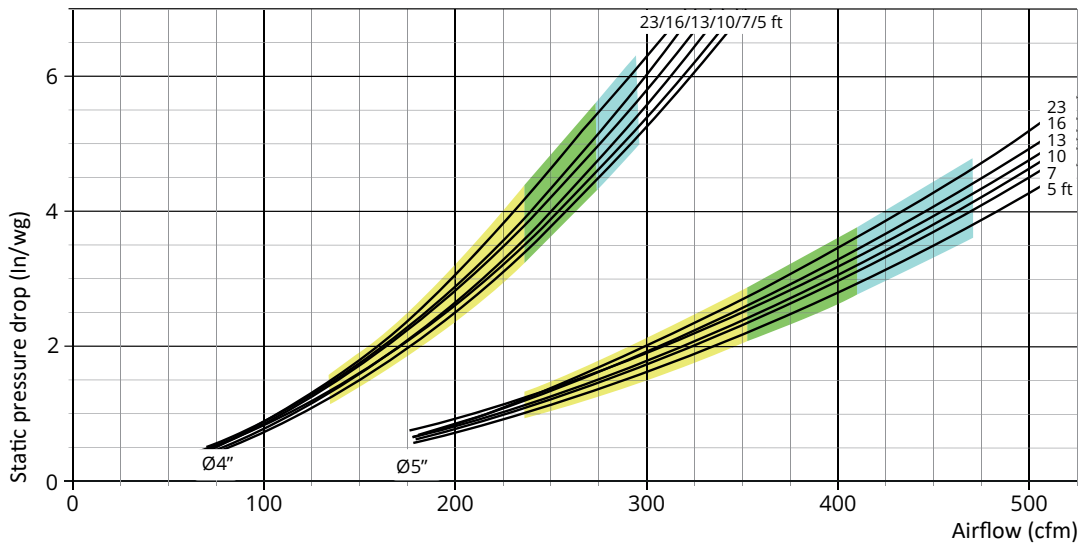
At a mounting height of 8 feet, 3 inches and a working height of 2 feet, 6 inches.

**PR 7000EXC**



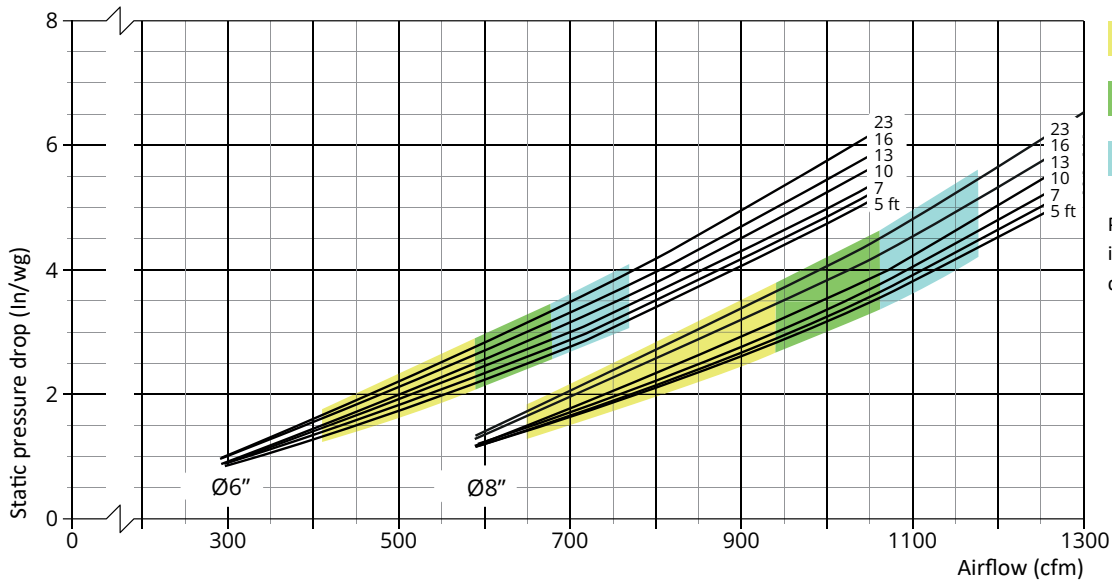
Working radius  
Max. radius

At a mounting height of 8 feet, 3 inches and a working height of 2 feet, 6 inches.



- 2000-2800 f/m
- 2800-3200 f/m
- 3200-3600 f/m

Pressure drop measured in position as per technical drawing.



- 2000-2800 f/m
- 2800-3200 f/m
- 3200-3600 f/m

Pressure drop measured in position as per technical drawing.

## Facts about ATEX

### Zone classification

Potentially explosive areas shall be classified into zones according to how often an explosive atmosphere occurs and how long it lasts. The person in charge of the operation is responsible for the risk area's classification.

Classification must be carried out by persons having knowledge about the properties of the flammable goods, the process and the equipment.

Classification can be done in consultation with safety and electrical engineers and also process technicians.

### Zone 0 and zone 20

Areas where an explosive atmosphere is present continuously for long periods, or frequently for shorter periods.

### Zone 1 and zone 21

Areas where an explosive atmosphere is likely to occur during normal operation.

### Zone 2 and zone 22

Areas where an explosive atmosphere is not likely to occur in normal operation, but, if it does occur, will only be for a short duration.

## Marking of ATEX-products

Local extractors from Movex are marked according to the plate below.

**MOVEX**  
Movex Inc  
Phone: 610 440-0478  
Fax: 610 440-0480  
www.movexinc.com

**PR 2000-125EXC**

**II 2 GD**

Serial no: 2863X-X/X  
Made in Sweden  
13W06

Total length,mm

Equipment group II: Above ground applications (not mines)

Serial number

Diameter of hose and suction nozzle

Equipment category 2: for zone 1 or 21, risk area where an explosive atmosphere is likely to occur in normal operation

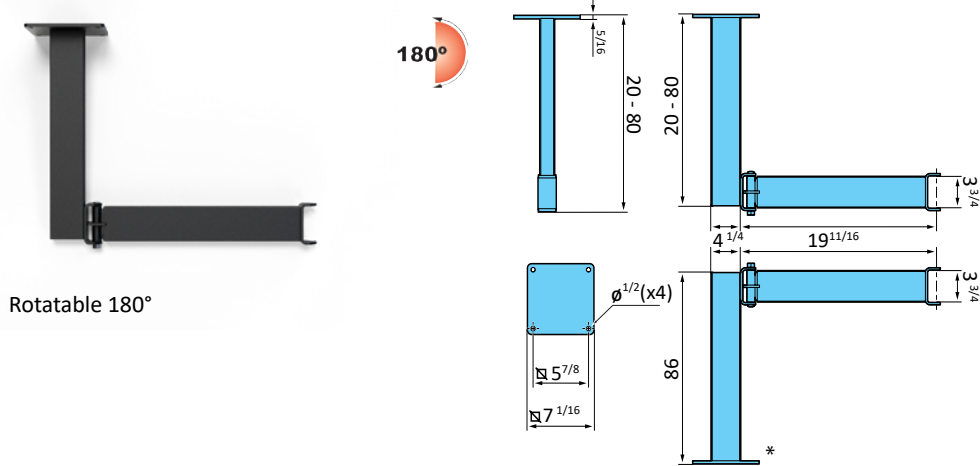
Type of atmosphere  
G = Gas  
D = Dust

Year of manufacture/week

*Accessories*

**Brackets for ceiling and floor mounting**

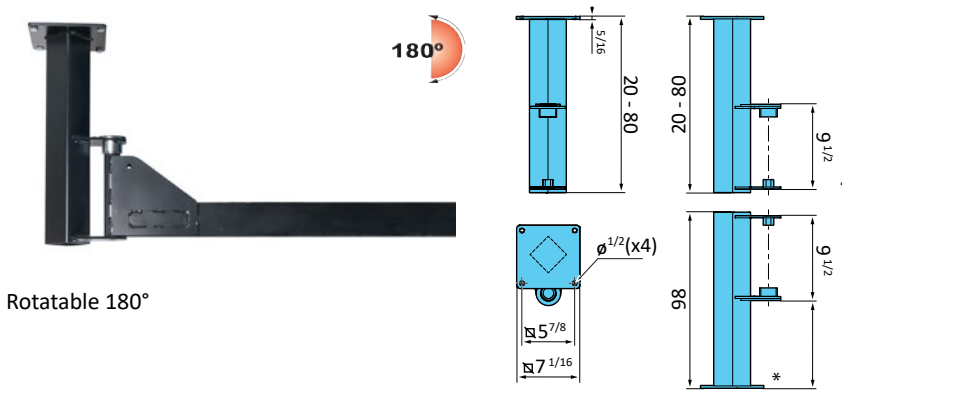
**PTX EX (PR 1500-4000 EXC)**



Rotatable 180°

PTX Article	Length	Weight (lb)
PTX 500EX	20"	11
PTX 1000EX	40"	17
PTX 1500EX	60"	22
PTX 2000EX	80"	28
PTX 2200EX*	86"	31

**PTZ EX (PR 5000-7000 EXC)**



Rotatable 180°

PTZ Article	Length	Weight (lb)
PTZ 500EX	20"	17
PTZ 1000EX	40"	26
PTZ 1500EX	60"	37
PTZ 2000EX	80"	47
PTZ 2500EX*	98"	57

\*Floor bracket

**Technical data hose EXD**

Properties..... Conductive PE hose with steel helix R <10<sup>4</sup>Ω.

Temperature range..... +50°F to +122°F.

**Delivery configuration**

The arms are supplied partially assembled and tested, each with a unique serial number.

**Manufacture**

Manufactured in accordance with directive 2014/34/EU.

**Technical data other standards**

Plastic components ..... PA, PE, PP14%GL conductive.

Aluminum components.. Powder coated in conductive paint.

Steel components..... Powder coated in conductive paint.

Stainless steel

components..... Gas springs in stainless steel.

Weight ..... PR 1500: 22 lb PR 2000: 24 lb

PR 3000: 28 lb PR 4000: 35 lb

PR 5000: 53 lb PR 7000: 84 lb

