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

Movex extractors, R EXHC and RZ EXHC are built on a solid frame construction with external arm support for use in ATEX environments.

Movex extractors R EXHC and RZ EXHC are available in Ø4, 5, 6 and 8 inches hose dimensions according to requirements.

R EXHC and RZ EXHC are constructed with:
- Frame, brackets and conical hood in stainless steel SIS2348 (316L)
- Flexible conductive PE hose R<10^4Ω
- Gas springs in stainless steel balancing the arm’s weight.

Movex R EXHC and RZ EXHC meet the requirements of the ATEX Directive 94/9 / EC category 2 for gases and dust.

Movex R EXHC and RZ EXHC includes a wall bracket as standard. Ceiling brackets are available as accessories.

The Movex range also includes fans, accessories, automatic controls and filters for local extractors

LOCAL EXTRACTORS
Pure advantages
ATEX compliant - Local extractor from MOVEX

The standard for quality and safety for explosion protected equipment is called ATEX.

Movex local extractors are a safe choice within the pharmaceutical and food industries, as well as in workshop and laboratory environments.

Local extractor R EXHC
Lengths 5, 7, 10 and 13 feet.

All parts effectively grounded.
Wall bracket and arm in stainless steel - well suited for harsh environments.

Hose, ATEX-classified R<$10^4\Omega$ PE.

External arm support in stainless steel
Conical hood in stainless steel.

Local extractor RZ EXHC
Lengths 15 and 21 feet.

An option with a longer reach.
All parts effectively grounded.
Wall bracket and arm in stainless steel - well suited for harsh environments.

Hose, ATEX-classified R<$10^4\Omega$ PE.

External arm support in stainless steel
Conical hood in stainless steel.

TIX EXH
Adapted for ceiling mounting of R EXHC, RZ EXHC-arms.
In stainless steel
Standard lengths 19, 39 and 59 inches.

TIX 180 EXH
Adapted for ceiling mounting of R EXHC, RZ EXHC-arms with an additional pivot point facilitating 180° flexibility left and right. In stainless steel.
Standard lengths 19, 39 and 59 inches.

TIZ EXH
Adapted for ceiling mounting of RZ EXHC-arms up to 21 feet.
In stainless steel.
Standard lengths 19, 39 and 59 inches.
### Zone classification

Potentially explosive areas or premises are classed in zones according to how often an explosive atmosphere occurs and how long it lasts. The individual in charge of the operation is responsible for the risk area being classified. Classification must be carried out by persons who are knowledgeable about the properties of the flammable goods, the process as well as the equipment. Classification can take place 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.

#### Zone 1 and zone 21

Areas where an explosive atmosphere is likely to occur in 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 extractor from MOVEX is marked according to the plate below.

![ATEX Plate](image)
**Technical data**

**Data ATEX**

- **Equipment group**: II
- **Equipment category**: 2
- **Zone, gas**: 1
- **Zone, dust**: 21
- **Surrounding temperature**: 32 – 140 °F
- **Hose dimensions**: Ø 4, 5, 6, 8 inches

**Material**

- **Structure**: R EXHC/RZ EXHC
- **Hose**: Antistatic PE, R<10³Ω
- **Suction nozzle**: Stainless steel SS EN 2348

**Manufactured**

Manufactured in accordance with relevant sections of the following standards or regulatory documents: EN 1127-1:1997, EN 13463-1:2001, CENELEC report TR50404, according to the terms in the ATEX Directive 94/9/EC.

**Delivery**

The arm is assembled mounted and tested. Every arm has a unique manufacturing number.