



pneumatic
vacuum elevators



Pneumatic Vacuum Elevators, LLC

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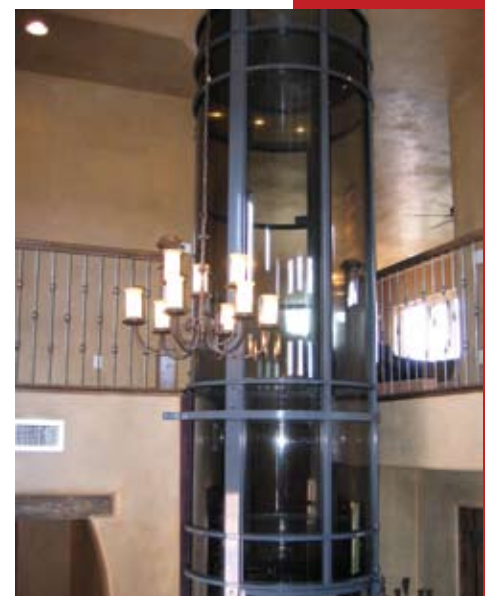
about pve

Pneumatic Vacuum Elevators, LLC is the designer and manufacturer of the vacuum elevator. PVE is an innovative, technology-based company that has revolutionized how people and goods may be vertically transported within residential, marine and stage environments.

Through the application of fundamental physics and the utilization of attractive materials, PVE has virtually created a transportation vehicle within a bubble.

Founded in 2002, in Miami, Florida, the Company proudly manufactures three versions of its vacuum elevators, ranging from single to a three-passenger, wheelchair-accessible model. Rather than using cables or pistons, PVE manufactures the only elevator that is powered by one of the most abundant resources in the world... AIR!

Due to its minimal footprint, rapid installation and a unique panoramic design, the vacuum elevator goes where other elevators simply cannot. PVE maintains an expanding network of more than 100 authorized dealers worldwide.





features

2ND FLOOR

- No pit excavation, hoist-way, or machine room required

- Installation within one to two days

- Two to four stops for residential, marine, and stage applications [35ft. (10.5m) total rise]

- Ideal for new and existing homes due to the minimal footprint required to accommodate the structure

- Self-supporting structure: the elevator is capable of freestanding on any level ground surface

- “Green Elevator:” minimal energy consumption required during ascent and no energy necessary for descent

GROUND FLOOR

- Modern design allows 360° visibility without cables or pistons that block vision

- Minimal maintenance: no lubricants or regular service required

- Absolute safety: in the event of a power failure, the elevator cab automatically descends to the lowest level and the electro-mechanical door opens to allow passenger to exit

- 220Volt single phase service required for elevator operation and all cabin electric circuits are 24 volts

- Extremely smooth starting and stopping operations

- ASME A17.7 Code Compliance Certified

VARY FROM HOME TO HOME.

- ② INTERMEDIATE CYLINDER IS CUSTOM MADE AS ROOM HEIGHT MAY VARY FROM HOME TO HOME.

- ③ MINIMUM ALLOWABLE HEIGHT IS 7'-9"

- ④ MINIMUM ALLOWABLE HEIGHT AS SHOWN FOR THIS TYPE OF INSTALLATION

- ⑤ INTERNAL DIAMETER OF CABIN WITHOUT THE COLUMNS IS 47 1/2" AND THE INTERNAL CABIN HEIGHT IS 6'-7"

- ⑥ DOOR WIDTH IS 37 9/16"

- ⑦ ENTRANCE WAY WIDTH OPENING IS 32"

- ⑧ MAX. ELEVATOR HEIGHT IS 35'



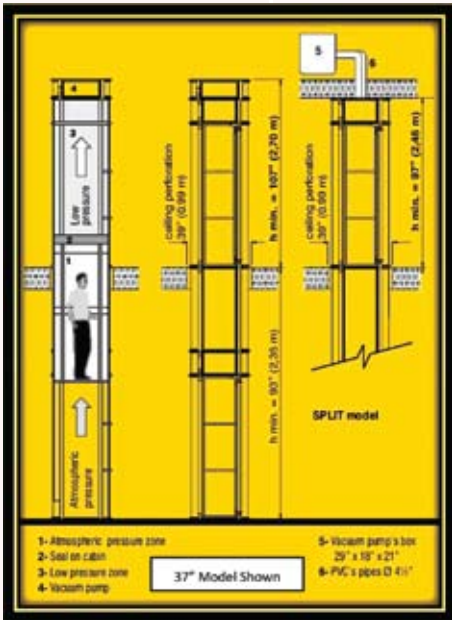
Components

There are three main components to the transparent, self-supporting vacuum elevator...

Exterior Cylinder - made up of an aluminum frame and polycarbonate panels.

Elevator Car - made of steel, which houses the brake and safety mechanisms along with the proprietary seal located on top of the car.

Suction Assembly - located on top of the upper cylinder. Houses the turbine engines, valves, and the PVE control board.



Options and Upgrades

Colors

■ Standard Gray ■ Light Gray □ White

(All models are gloss finish powder coated)

Cabin Phone

Cabin Key Lock

PVE30

Single passenger elevator

350 lbs lift capacity (159 kg)

External cylinder diameter: 30 inches (750 mm)

30 ft/min travelling speed

Aluminum & polycarbonate structure

Automatic interior LED lighting and fan

In-line door openings

PVE37

Two passenger elevator

450 lbs lift capacity (205 kg)

External cylinder diameter: 37 inches (950 mm)

30 ft/min travelling speed

Aluminum & polycarbonate structure

Automatic interior LED lighting and fan

In-line and walk-through door openings

PVE52

Three passenger elevator

Wheelchair accessible

525 lbs lift capacity (238 kg)

External cylinder diameter: 52 11/16 inches (1,338mm)

20 ft/min travelling speed

Aluminum & polycarbonate structure

Automatic interior LED lighting and fan

In-line and walk-through door openings



models

