

## 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.



**pneumatic**  
vacuum elevators



*Pneumatic Vacuum Elevators, LLC*  
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## features

- 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
- 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

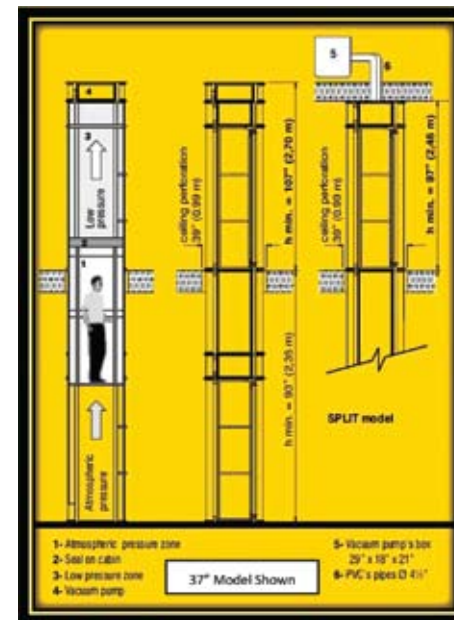
### Components

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



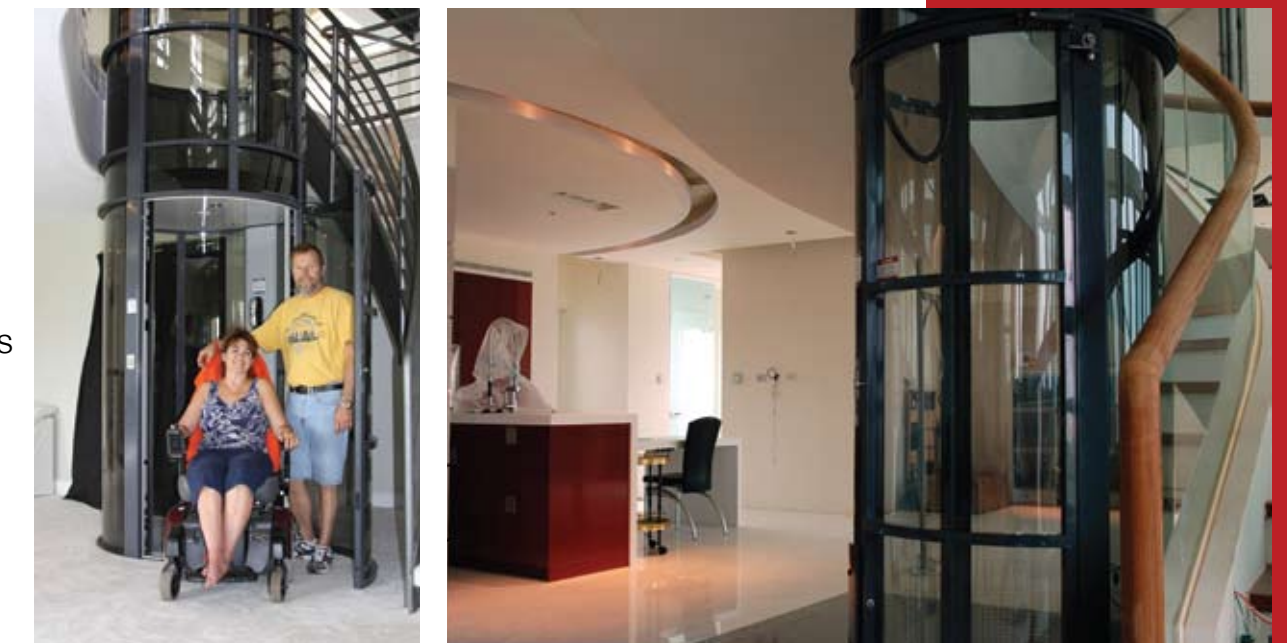
## PVE37

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

