

LifeJacket Saves Lives...and Reputations

In addition to the irreversible human tragedy associated with an elevator accident involving personal injury, such an event presents serious legal challenges that can compromise the marketability of a building for years.

The **LifeJacket** helps preserve the integrity of your safety record AND serves as an excellent marketing tool to attract key tenants.

How Does the LifeJacket Work?

The **LifeJacket** is a lifesaving system with three components:

- 1) An electrical sensing system that detects uncontrolled downward movement of the plunger
- 2) Two (2) steel arms that close to grab a falling plunger
- 3) A hydraulic feedback system to monitor hydraulic pressure

Almost as important as its lifesaving function is the fact that the **LifeJacket's** safety arms will not damage the plunger. This means that **LifeJacket** can be tested regularly to verify that it is operating properly.

LifeJacket is peace of mind for you...and safety assurance for your elevator riders.

LifeJacket Provides Key Safety and Convenience Benefits

- Brings a fully-loaded moving car to soft, safe stop;
- Will not score or damage plunger;
- Can be released only by running the car in the upward direction and resetting the **LifeJacket**.



LifeJacket installs above the cylinder head. It is shown above with arms open in the "operate" position

How to Order Your LifeJacket

Each **LifeJacket** is manufactured to fit the diameter of a specific piston. Other details about your hydro installation are also required. All of this information should be recorded on one of the Ordering Surveys on the following pages. The Survey is on the left-hand page; support information appears on the right-hand page.

Please note that some local jurisdictions charge a fee for a permit, variance, and/or inspection. After your survey is processed, we will send you notification of Code concerns and an elevation drawing of the pit dimensions showing the **LifeJacket** installed.

Approved by A17.3 and A17.1a

ASME A17.3 2002 (sec. 4.3.3):

A device such as **LifeJacket** is accepted as an alternative to replacing single-bottom cylinders.

ASME A17.1a 2002 Addenda (sec. 3.17.3):

In the event of fluid loss or overspeed, the use of a plunger gripper is permitted as an acceptable means to bring an elevator to a safe, controlled stop.

Survey Forms on the following pages → help you provide information required to build a LifeJacket system to match your hydro.