



The World's No.1 Emergency Stairway Evacuation Chair



Did you know?

If your building has one these.....



.....chances are you need one of these !

To comply with the **Regulatory Reform (Fire Safety) Order**, as an employer it is your legal responsibility to ensure all staff and visitors in the workplace can evacuate safely in an emergency, this includes able bodied people as well as the mobility impaired. Failure to do so could result in **criminal prosecution**; or in the event of a fatality be prosecuted for **corporate manslaughter**.



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As detailed in the **Equality Act (2010)** places of employment, schools, clubs, shops, offices and public buildings must provide adequate access and egress facilities for all persons with disabilities who may enter or exit a building.

EVAC+CHAIR® Frequently Asked Questions

How many people does it take to operate the EVAC+CHAIR®?

Just one to guide the chair and the person seated in it down the steps. the EVAC+CHAIR® does 90% of the work itself.

Can the EVAC+CHAIR® go upstairs?

Yes. The EVAC+CHAIR® model, 600-H is equipped with front and rear lift handles for this purpose. However, in order to ascend up stairs or over obstacles, two operators are required to lift the chair. The treads cannot be used to go up stairs.

ALSO

Our IBEX 700H will go both up and down stairs without any carrying or lifting. The treads never leave the stair nosing and support 90% of the passenger weight

Are there any special attachments needed on the stairs?

EVAC+CHAIR® is all that is required. It uses basic principles of gravity and friction, not gadgets. There is no installation. It's always ready for immediate on-the-job protection.

Can the person seated in the chair fall out?

No. He or she is seated within a pocket seat that "cups" the body securely. The rider is strapped in and sits only inches from the incline of the steps. All weight is supported by the stairs, not the straining arms of volunteers.

How strong does a "buddy" have to be to guide EVAC+CHAIR®?

We recommend that attendants initially practice with a person who weighs about their own body weight. Once the physical sense of operation is experienced, and depending upon the operator's own strength and agility, greater disparities in weight can be handled.

Is the EVAC+CHAIR® recommended for the disabled individual at home?

No, we can't recommend it for this situation (except for the high-rise apartment dweller) because of the varied and non-standard space and stair configurations of the private home. EVAC+CHAIR® offers one-way transport only, a "lifeboat" function absolutely essential for a building but not practical for the individual seeking daily assistance up and down stairs.

How long does it take to learn to use EVAC+CHAIR®?

By following the instructions that come with the unit (they're also printed on the seat) the average person should be proficient with someone his or her own weight after a short training session.

How many EVAC+CHAIRS® do I need?

It depends on the size and capacity of your location. Please call one of our evacuation experts to better assess your needs.

How strong do I need to be to operate the EVAC+CHAIR®?

Because the chair operates on the Patented POLYMATIC-V BELT system, strength is less of a concern than using proper technique. When using the chair to transport someone downstairs, it is important to note that you should be pushing down towards your toes, not pulling back. Remember, to avoid injury to operators and/or the passenger, operators should never attempt to transport passenger loads greater than what they can lift.



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Are these chairs required?

The ADA requires each building to have accessible means of egress (ADAAG 4.1.3(9), 4.3.10), but does not specify a solution. During most emergencies, the preferred method of egress – elevators – are out of service for safety reasons. The EVAC+CHAIR® serves as an effective means of exiting a multistory building for handicapped or incapacitated individuals. THE EVAC+CHAIR® CAN BE YOUR SOLUTION!

How did the EVAC+CHAIR® come to be?

The EVAC+CHAIR® is the original Emergency Wheelchair invented by David Egen, the founder of Evac+Chair North America, LLC. It was first introduced nationally at the 1982 Spring conference of the President's Committee for the Employment of the Handicap. Since its introduction in 1982, Evac+Chair® has gone through 5 major design revisions with minimal weight increase and little added complexity for major evolutionary improvement. Today, Evac+Chair® is manufactured in United Kingdom of Great Britain by Evac+Chair International Limited and has more than 30 Distributors worldwide.

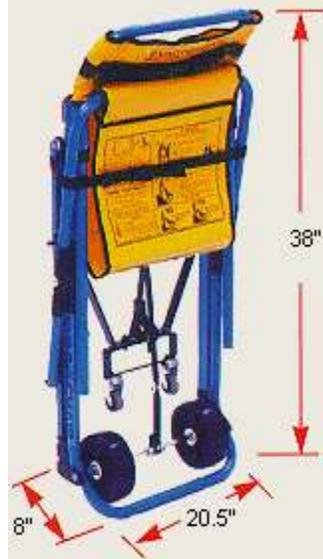
Specifications

The Secret behind EVAC+CHAIR's smooth glide over stairs

An interface of a specially modified endless belting to the two supporting rear carriages provides a smooth, continuously working brake/traction system that slows descent proportionally to the weight of the passenger. On landings, the geometry of the unit transfers all weight to the two main wheels for pivot turns and travel.



EVAC+CHAIR is delivered completely assembled!



Size Folded: 38" x 21" x 8" **Weight:** 19-lbs **Capacity:**

400-lbs

Tubing: 1" OD .090 wall 6061-T6 alloy (fire ladder quality)

Restraints: 1 2" belt for waist/chest and 1 padded for forehead

Wheels: 6" wide profile

Wall Mount: J-bracket hardware supplied

Maintenance: Visual inspection during training. Belts hand rotated twice a year to prevent "set".

Training: Operation should be practiced during scheduled fire drills. Illustrated operating instructions supplied.

Use Restrictions: Unit is designed for use on straight fire stairs only with hard nosings and with gradients of between 28 and 40 degrees. Both model 300 H AMB

and 600 AMB are not suitable for spiral stairway.

EVAC+CHAIR® - World leaders in evacuation for over 35 years

Our Stair Chairs are Safe, Easy to open, Lightweight Rescue Chairs!



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EVALUATING CRITERIA

First, make sure it's light, strong and simple to operate. Superfluous braking systems, overweight construction and multiple parts lists do not make an emergency tool that can be counted on. Weight and complexity are to be avoided. When evaluating your intended purchase try before you buy, and beware of imitations. They may look the same from a picture but functionality may vary.

Deployment

Preparation of the chair for operational use should be fast and simple. Tricky release mechanisms should not be waiting to trap the operator's finger or hand, nor should the operator be expected to balance the chair with one hand whilst releasing skids, buckles or straps when the chair is occupied.

Weight of Unit

Weight is a major factor, particularly if the evacuation equipment is in various parts of the building and must be carried to the passenger, or simply removed from its securing location.

Weight to strength ratio of the product is an important consideration, particularly with an upward trend in BMI (body mass index) throughout the population.

Ease of Transfer

The device must be designed to facilitate ease of transfer. PRM's (person of reduced mobility) may require assistance and the product must be stable, open on both sides and provide passenger safety at all times.

Ideally, where a wheelchair transfer takes place, both the wheelchair and evacuation chair should be of equal height and supported by an operator for extra stability.

Maneuverability

Most stairways comply with building regulations and provide 1.2 metres width on halls, stairs and landings. A good turning circle is required and no extra physical exertion should be needed to get around difficult landings and corners.

Speed of Descent

An able-bodied person can descend stairs at normal walking pace at a rate of 0.75 metres per second. An evacuation chair should be able to match this with a competent operator.

The Evac+Chair can comfortably achieve two flights of stairs in 15 seconds, or four floors in a minute, without blocking the stairs for other users.



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Controlled Speed of Descent

Evacuating an individual down fire stair requires “control descent” that encourages speed to match traffic flow. The concept was first invented by David Egen of Evac+Chair Corporation, USA, who designed / registered the Egen. “Polymatic Traction”™ as a friction braking device, self-regulating speed governor feature of EVAC+CHAIR that enables the operator to speed up, slow down or stop on the stairs with smooth assurance and ease. Using coefficient of friction, the greater the weight of the passenger the greater is the friction. This friction is increased by adding leverage to the operator handle. Since its introduction in 1982, EVAC+CHAIR has gone through 5 major design revisions with minimal weight increase and little added complexity for major *evolutionary* improvement. For these reasons, EVAC+CHAIR has remained *the standard* for building evacuation of the disabled since 1982.

The majority of evacuation chairs depend on a rotating belt drive mechanism to span two or more stair nosings. We have found several chair types which have no friction and therefore no controlled speed of descent. Other devices require a cable brake and release mechanism. Virtually all cable brake mechanisms use the “dead man brake” principle and are either “on” or “off” and do not provide a graduated increase or decrease of pressure experienced with, say, a bicycle.

Fire Assembly Point

On reaching the fire assembly point the product should be free standing and comfortable. The passenger should never be left unattended or left alone, even with devices which have additional braking mechanisms.

After-Sales Support

Finally, check if your supplier can support your training needs and provide after-sales service. Ask how long the company has traded and where the manufacturing country of origin is. Please note we do not use third parties to service or training Evac+Chair's and we are the Singapore's only suppliers of genuine Evac+Chair Parts and official Evac+Chair training. Please do not use non-genuine parts to service your chair or use unaccredited Trainers or this will invalidate your warranty.

Accreditation

Ask if the evacuation chair is registered with the MHRA (Medical & Healthcare Products Regulatory Agency) as a Medical Device Class I and HSA (Health Science Authority) as Class A exempted medical devices. After all, this is a life safety product and someone's life may depend on it.

Emergency Preparedness

Multi-Level Buildings that are designed for “Age Friendly Built Environment” and constructed as “accessible” or “barrier free” to allow persons with disabilities ready access must have plans, means or tools to evacuate people with limited mobility down the stairs in an emergency.



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EVAC+CHAIR® Stair Chair: Warranty - 5 years

EVAC+CHAIR UK warrants to the original purchaser that the EVAC+CHAIR should be free from defective materials or workmanship that affects product performance and customer satisfaction for 5 years. EVAC+CHAIR's obligation under this warranty is expressly limited to supplying replacement parts for, or replacing, at its option, any product which is, in the sole discretion of EVAC+CHAIR, found to be defective.

Expendable components and parts subject to wear and deterioration in the ordinary course of use, such as "V" belts and textiles are excluded from the foregoing warranty, but are warranted to be free from defective material or workmanship that affects product performance for a period of one (1) year.

Damage caused by abuse or sabotage, damage resulting from breach of the maintenance guidelines contained in the User Guide or the Training Manual, or from any repair or alteration by user or any unauthorized service provider are expressly excluded from this warranty. Any improper use or alteration or repair by unauthorized service providers in such a manner as in EVAC+CHAIR's judgment affects the product materially and adversely, shall void this warranty. No employee or representative of EVAC+CHAIR is authorized to change this warranty in any way.

All warranty claims must be made by the original purchaser in writing to EVAC+CHAIR UK promptly following discovery of a basis for such claim. EVAC+CHAIR reserves the right to require the original purchaser return the parts or products prepaid freight in order to evaluate the warranty claim.

THIS WARRANTY CONSTITUTES EVAC+CHAIR'S ENTIRE WARRANTY WITH RESPECT TO THE EVAC+CHAIR LINE OF EVACUATION CHAIR MODELS AND NOT EVERY PRODUCT EVAC CHAIR UK SELLS. EVAC+CHAIR MAKES NO OTHER WARRANTY OR REPRESENTATION EITHER EXPRESSED OR IMPLIED, EXCEPT AS SET FORTH HEREIN. THERE IS NO WARRANTY OF MERCHANTABILITY AND THERE ARE NO WARRANTIES OF FITNESS FOR ANY PURPOSE. IN NO EVENT SHALL EVAC+CHAIR BE LIABLE HEREUNDER FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM OR IN ANY MANNER RELATED TO SALES OR USE OF ANY SUCH EQUIPMENT.



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Innovative Methods of Moving Mobility Challenged People Down the Stairs



300H AMB

Single person operation for descent

Larger heavy duty rear wheels for moves over rough terrain



600 AMB

Retractable rear and front grab handles

Single person operation for descent

Suitable for carry by 2 to 4 operators for upward evacuation

Larger heavy duty rear wheels for moves over rough terrain



IBEX 700H

Descends and ascends stairs without carrying or heavy lifting

Two persons operation

Larger heavy duty rear wheels for moves over rough terrain



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Traditional Methods of Carrying Mobility Challenged People Down the Stairs is not considered safe as this poses unacceptable risks to those providing assistance as well as the person being carried

