



Jumping cushions Model SAF.R.C.





The jumping cushions model SAF.R.C. are cushions composed of **two inflatable chambers**: the first, called large upper chamber, acts as a first impact area; the second, called small lower chamber, acts as a second impact area.

The cushion works as an energy dissipator of falling bodies.

The chambers are inflated by electric **fans** which, through special tubular ducts, first feed the lower chamber and then, through carefully calibrated internal passages, bring the air to the upper chamber or first impact chamber.

The cushions are equipped with 1 or 2 small electric fans depending on the type requested: models 16 - 20 meters: n. 1 fan | Models 25 - 30 - 35 meters: n. 2 fans.

The fans can be powered by small portable generators or directly from the mains.

Fan Technical Specifications UFC120X

Motor - Electric 1.2 KW

classified for Class1 Group D, 1/2 Kw, 50 Hz, 230 V

Dimensions - 460 mm x 4690 mm x 300 mm

Blade diameter - 16", 406 mm

Weight - 26 kg

Protection class - IP55

Start-up power consumption - 2,000 w, 15 Ampere circuit

Operating power consumption - 700 w

Yield (delivery) - 10.360 m³/h





The air generated by the fans passes from the lower chamber to the upper one through a small calibrated passage.

The upper chamber absorbs most of the energy generated in the impact, and then dissipates the energy by releasing air from the vents on the four sides of the cushion obtained on the upper chamber.

The amount of air released by the **4 vents** is adjustable by means of elastic cords located on the vents.

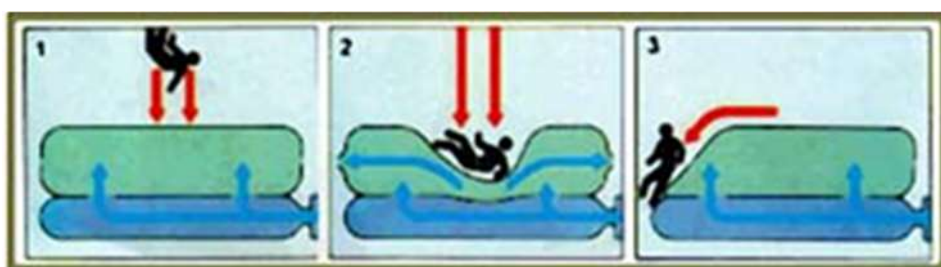


Tightening the elastic cord releases less air, creating more stability to the pillow.

The lower chamber has no vent, but acts as a safety mattress with double absorption energy, at the moment of impact in fact this room releases very little air.

The fans (1 or 2 depending on the model) constantly emit air inside the cushion, keeping its structure unchanged, self-regulating through the four vents that calibrate its absorption capacity, avoiding the so-called "trampoline effect".

The lower chamber provides the safety margin for the pillow and determines the maximum height from which a person can fall. In less than a sixth of a second, the SAF.R.C. cushions are able to absorb and dissipate the energy produced in the impact.





The jumping cushions model SAF.R.C. are made of **reinforced, fireproof and waterproof fabric**. The tear resistance of this material is more than 50 pounds PSI. The seams of the pillow are made with a nylon thread more tenacious than the material used for the pillow chambers. Its design and compactness make the pillow durable and durable.

In the event that SAF.R.C. cushions are torn or punctured during a recovery operation, this damage will not seriously affect their energy absorption capacity determined by the impact. If the pillows incur minor damage, the fans can easily compensate for the additional loss of air and such damage may go unnoticed until further inspection. Each SAF.R.C. cushion is equipped with an identification plate, showing the year of manufacture, serial number and the essential data of the pillow:



product description: Rescue Air Cushion

Model: SAF.RC 30: 10x6x2,5

Maximum height of jump: 30 MT

Date of Production: 2023/06

Identification number

Fan specification: 220V 50Hz Power 1,2Kw

CUSHIONS RANGE SAF. RC.

Model	Dimensions (mt.)	Weight (without fans)	Jump height	Inflation time	Inflation time	A. ventilatori	Code
SAF RC 16	5 x 4 x 2,5	75 kg.	16 mt.	44 sec.	25 sec	1	60.0801.003
SAF RC 20	6 x 4 x 2,5	87 kg.	20 mt.	55 sec.	35 sec.	1	60.0801.004
SAF RC 25	8 x 6 x 2,5	150 kg.	25 mt.	110 sec.	50 sec.	2	60.0801.001
SAF RC 30	10 x 6 x 2,5	180 kg.	30 mt.	165 sec.	80 sec.	2	60.0801.002
SAF RC 35	10 x 8 x 2,5	190 kg.	35 mt.	180 sec.	120 sec.	2	60.0801.005

