

Frequently Asked Questions

What is the difference between the Sport and Ultra Sport Derivatives?



The **Sport vest** (above) is specifically designed for motorcycle applications (except MX moto cross) as the front of vest is shorter for more comfort when seated. The zip is in the front for easy regulation with gloves while the sides have articulating gussets to accommodate various body shapes.

The **Ultra Sport vest** (below) is a light pull-over vest with spandex mesh ventilation panels and scoop neck. The zip is on the side for easy entry. This vest is ideal for MX motor cross riders. It is also suitable for runners, cyclists, tennis, golf, soccer, fishing and outdoor work.



What size do I need?

The Ultra and Sport Vests are available in several sizes.

INCHES

Medium	38" to 40"
Large	42" to 44"
X Large	46" to 48"
XX Large	50" to 52"
XXL Large	54" to 56"

METRIC

SPORT				
Measurement	M	L	XL	XXL
Chest in Front	52	53	55	56
Front Zip Length	22.5	30	30	27
Back Length	62	60	61	66
Arm Hole (one side)	31	31	33.5	37.5

ULTRA SPORT				
Measurement	M	L	XL	XXL
Chest in Front	48	50	54	57
Front Length	45	47	49	50
Back Length	61	62	63	64

Sizes run true to your jacket size if you have a flattish stomach (not a tee-shirt size which tends to be smaller than normal). If you wear a 'large' motorcycle jacket, order a large vest; 'XL' - then order an XL vest and so on. If you have a bit of a belly, or are endowed with large breasts, then choose the next size up.

How long will the vests cool my body?

The Evaporative Vests will remain hydrated for several days. How long you feel the cooling effects depends on the conditions. Soaking the vest in water during a rest or fuel break can rejuvenate it in less than 2 minutes. Naturally, exposure to high winds will cause the water within the vest to evaporate much quicker as would high humidity.

The good thing about the fabric in the vests is that it offers subtle cooling that reduces your body temperature without setting your body into a "panic mode" that ice packs and frozen vests stand the potential to do. Freezing the vest or adding ice packs may enhance the cooling feeling but will not increase the cooling benefits.

How much do the vests weigh when they are activated? Don't they get heavy?

Both the Sport and Ultra Sport vests are lightweight and do not gain bulk (only slight weight) when activated. This is a result of the two kinds of polymers that compose the material's inner batting: one that absorbs water, and one that repels water. Because of this design, only the right amount of water will be absorbed to enable maximum cooling without drippy wetness.

The precise weight depends on the size and type of vest. The weight of a size large zip-front Sports vest is less than one pound. The interior batting generally absorbs no more than 16-18 ounces of water, leaving the activated vest-weight at approximately 1.5 lbs

Will the activated vest make me feel wet?

No. The two-sided inner layer in all the garments, which can be worn against the skin or over clothing, has a conductive, breathable lining on one side and a water-resistant barrier on the other to keep the skin dry.

While the components of the fabric work to keep the moisture that is added to the vest away from your skin, it is common that water drops will bead on the surface of the fabric following activation. When this occurs, you can towel-dry or shake out any of this excess.

Can I embroider, sew, or silk-screen onto the garment?

Yes. The products are unaffected by the puncturing process of adding patchwork and embroidery, as a specially blended batting is used as the core of the evaporative cooling fabric, rather than crystals or gels.

How should I wear the vest?

The products can be worn alone, or under protective clothing. When riding with a protective jacket or suit, the vests should be worn under the jacket. Allowing some air to enter the jacket through the sleeves and vents will enhance the cooling effects of the evaporative vests.

The vest will actively cool you whether you wear it against the skin, over a T-shirt, or under any garments that offer some amount of airflow (so that the evaporation has some place to escape). If you are riding in a really dry environment, a jacket can aide in keeping the vest from drying out too quickly; however, it is not necessary for the cooling process.

Are the vests washable?

Yes. Completely dehydrate the evaporative vests by hanging in open air and then hand wash. The vest may take several days to completely dehydrate. Hand wash and rinse quickly using only mild soap. Do not use harsh detergents.

How about storage, on and off the bike?

The evaporative vests may be hydrated and stored temporarily in a closed bag for those times when you don't need it quite yet, and the bag is handy for a quick recharge. After a ride, hang in open air until completely dry.