## A SUMMARY OF THE DIFFERENT AIRBAG SYSTEMS FOR OFF-PISTE USE

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- 1. AIRBAGS DO YOU NEED ONE? I've heard a lot of people say that they don't need an airbag off-piste. I've also heard others say that they affect your judgement. Well I've heard the same arguments about ski helmets. Still unconvinced? Here is an interesting statistic involving a total of 102 people in reported European avalanches: Where the victims either did not have or did not deploy airbags, there was a 36% mortality rate. In the SAME avalanches, those people who deployed airbag systems had a 1% mortality rate. Source "Time is Life" DVD. This is a sobering statistic for anyone regularly riding off-piste.
- 2. So, if you're interested in buying an Airbag, which one are you going to go for ? In my honest opinion, the differences between the current systems are not as big as some people like to make out. What is important, is that you get one, and that you use it! I regularly see people who own airbags skiing without them, and others wear them but don't have the trigger mechanism activated what's the point?!
- 3. Below is a summary of the 3 main systems currently available in Europe. Other systems are being developed and will be described briefly later.







ABS Snowpulse BCA

	ABS	Snowpulse	BCA
RRP (£)	669 for Vario 25L	699 for 30L Guide Lifebag	629 for Float 30
Weight (g)	2980 (with 25L sack)	3000 (with 30L sack)	3357 (with 30L sack)
Canisters self fillable	No	Yes. Done at either paintball or dive	Yes. Done at either paintball or dive
		centre.	centre.
Modular system (Y/N)	Yes. Rucksacks can be easily changed	No	No
	if you select the Vario system.		
General Comments	The release handle contains a small	Some people find the shoulder	The heaviest of the current airbags.
	explosive charge which is not liked	straps too bulky. While the head is	Pressure gauge on canister is a great
	by airport security firms (although it	protected after initiation, vision is	way to see whether the canister is
	is certified safe for flight).	restricted if still skiing.	fully charged. Although not yet
			available in UK, it looks like the
			import duties will actually make the
			price the same as ABS and
			Snowpulse. The airbag keeps the
			victim upright, but does not restrict
			vision.
Bag sizes available	5-50L, with many choices	15-45L, with several choices	15L and 30L
Safe for Air Travel	Yes. Take the IATA documentation.	Yes. Take the IATA documentation.	Yes. Take the IATA documentation.
Lighter versions	Save 200g, by buying the carbon canister (RRP £75).	No carbon canister available	No carbon canister available.
Bag release system	Two airbags, one each side of the	Curved single airbag, which inflates	Single rectangular bag, out of the top
	pack. Disadvantage is that victims	around the head, thus keeping the	of the sack.
	are usually found face down in the	body upright and the head protected	
	snow.		
Other comments	Made in Germany, so Euro prices are	Made in Switzerland. This may force	Made in USA. Now available in
	stable.	prices to rise due to the current exchange rate.	Europe.

## Other Systems:

Avivest: Avivest is essentially an airbag system that is fitted into a vest, rather than into a rucksack. The advantage of this is that the weight is spread better around your body rather than all being on your back. The disadvantage is that you cannot vary the storage volume. Avivest weighs 2.72kg and costs \$625USD. Also available from the same company is the Avipack, a 33l airbag system in a rucksack (price \$699). Currently these systems are only available in the US. More details: <a href="https://www.thewary.com">www.thewary.com</a>





Avivest

Wary Airbag 33

**Air and Snow**: Details are still coming in on this new innovation from Switzerland. I hope to see it in February 2012. The manufacturers are still in the development stage, but they are confident that the system will come in around 1600g weight. Price not yet known. It is hoped that this system will be available for the 2012/13 winter season. More details: <a href="https://www.facebook.com/#!/AirandSnow">www.airandsnow.com</a> and <a href="https://www.facebook.com/#!/AirandSnow">https://www.facebook.com/#!/AirandSnow</a>



**Independant Airbag systems**. There are several companies working on indepedant Airbag systems. These will be bought separately, and then attached to your rucksack. Details to follow.

**Other Systems**. Interested in other systems to help keep you safe in avalanches? Recco, Airball, Rotkauf, and others to be reviewed shortly. Watch this space.

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