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E&OE Winchester 1/10/03

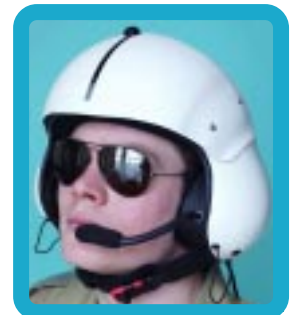
OMEGA+ DUAL-VISOR

State-of-art helicopter helmet
with CLEAR and TINTED visors

- CE Type Approved to the tough European flying helmet specification EN966, giving you up to **DOUBLE** the head protection of other helicopter helmets...
- Ultra quiet, (superb ANR option too)
- Ultra comfortable, with easy perfect personal fitting and donning
- Ultra light, ca 1300gms for typical GA helmet complete
- Superb comms. electrics, to ALL standards, with economic ANR option (up to 30 hrs flying between battery charges).
- Superb value, giving you many advantages at about 1/2 the cost of other helicopter helmets.....



For their 4th Comunica order over 10 years, Virgin HEMS chose our OMEGA+ (single visor) model, (please ask us about its special features)....



TINTED and CLEAR USAF MIL spec. visors



The **OMEGA+** civil helicopter crew helmet specification:

European Certification:

Our **OMEGA+** helmet has been designed from the start for civil aircraft crews, with full European “**CE**” mark **Type Certificate Approval**, to the modern and very tough European flying helmet standard, **EN966**. This assures you that you and/or your crews are protected in accordance with the **EU and UK “Personal Protective Equipment” (PPE) Directive**.

Helmet style:

OMEGA+ is styled along USAF helicopter helmet lines, which allows it to provide extra quiet, comfort and protection compared with the alternative helmets adapted from military “fast jet” designs.

Construction:

OMEGA+ is moulded from composites at high pressure and high temperature and hand finished and lacquered to top automotive standards. This makes it extremely strong and light.

Visors:

OMEGA+ is fitted with USAF MIL spec. helicopter helmet visors, again stronger and lighter than others.

Headsets:

OMEGA+ has a family of headsets of ALL standards to choose from, ALL providing the highest level of noise-exclusion of any helmet available.

Their unique microphone boom design cuts brainstem crash injury risk too.

ALL our headsets are fitted with a personal **VOLUME CONTROL**.

Powerful ANR headphones are often chosen, with only a modest price addition.

Prices and “cost-through-life”:

OMEGA+ gives you many advantages over alternative helmets, while its clean modern design for civil helicopter crews allows supply at a **remarkably good price, just a fraction of the price of alternatives!**

It also provides **extremely high reliability**, reflected in our 3-year warranty and confirmed in service by, eg, 3 generations of helicopters operated by **HEMS in London**.

Any required servicing, later refurbishment etc, is as good value as the purchase price!







OMEGA+ dual visor helmets are in service with the Diana Princess of Wales Warwick and Northants Air Ambulance at Coventry.....

Please see a detailed table of comparative specifications overleaf.....

The **OMEGA+** helmet specification comparison:

The table below refers to the same typical helmet configuration in each case:

- Size 62cms.
- DUAL VISOR with solid visor cover.
- Passive noise attenuation "General Aviation" headset.

Specification feature.	Comunica's OMEGA+	Alternatives, (ex military "fast jet" models):		Summary for OMEGA+
		FRENCH	UK	
"CE" Type Certification approval as EU "PPE".				
Price ex VAT:	£ 499	£900	£1160	ca £500 less
Protection against IMPACTS : Anvil shape(s): Impact energy: Head "G" allowed:	EN966: FLAT PLATE & SHARP CORNER 100 Joules 250 G max	MIL-H-87174: HEMISPHERE ONLY 49 Joules 250 G max	?: HEMISPHERE ONLY 122 Joules 300 G max	Minimum head G, 170 G was the highest in proving tests with the (realistic) EN966 anvils.
Protection against PENETRATION by sharp objects: Striker energy: Permitted closeness to skull:	EN966: 30 Joules No closer than 10mm from skull	EN966: 30 Joules No closer than 10mm from skull	?: 27 Joules Can be at the skull during strike	Equal safest with the FRENCH helmet
Strap retention, strength and release ease:	EN966: Single hand release with < 3Kg grip with a 50Kg strap load	EN966: Single hand release with < 3Kg grip with a 50 Kg strap load	?: Its fastener fails the EN966 specification	Equal safest with the FRENCH helmet
Visors: Optical clarity: Abrasion resistance : Cover strength:	MIL-V-43511B MIL-C-83409 Strong KEVLAR	MIL-V-43511B MIL-C-83409 Strong KEVLAR	?: ?: Soft plastic	Like the FRENCH helmet, full USAF performance and strength
Weight (without headset):	1050gms	990gms	ca 1250gms	Almost as light as the FRENCH one
Size range :	54-64cms	54-63cms	54-??cms	Full head range
Amb, temp. range:	-20 C to +50 C	? -40 C to +70 C	-40 C to +70 C	Ample civil range
Headset noise exclusion (quiet): 125 Hz 250 Hz 500 Hz 1000 Hz 2000 Hz 4000 Hz	17dB 23dB 35dB 43dB 44dB 47dB	4dB 9dB 11dB 25dB 49dB 51dB	poor poor poor ? ? 40dB	Our deep earcups and soft pad support give you ultra quiet across the whole noise spectrum (Even more LF cut with our ANR)