



The ONLY 5th Generation G-protection Systems and modular Aircrew Safety Equipment for your most valuable assets



The most efficient, least expensive Fast Jet up-grade



SWISS MADE

Exclusive improvements over classical G-protections

- **increasing G-protection with less required effort**, focus on air superiority, and not only physical survival.
- **little or no AGSM, no anticipation required**, undisturbed concentration / situation awareness.
- **much lower heart rate under any G**, less recovery time / more safe sorties possible.
- **avoidance / diminished lower back pain**, reducing health costs / increasing flight years.
- **no communication breakdown under G**, uninterrupted voice recognition / communication.
- **full body compression with little bladder coverage**, diminished thermal strain vs. classical G-protections.
- **very thin, lightweight, breathable tear resistant F.R fabric**, better temperature exchange and in-flight comfort.
- **integrated G-protection plus Cooling System option**, preserving natural G-tolerance by diminishing perspiration.
- **integrated G plus High-Altitude protection option**, integrating VKK / PKK type in ONE only G + H-A-protection.



The ONLY 5th Generation G-protection Systems producer



G-NIUS Switzerland pioneered the development and manufacture of the most secure and efficient PNEUMATIC Fast Jet Aircrew G-protection Systems. Air Forces interested in improving safety margins, operational performance, and care for their aircrew's wellbeing, now have a SWISS MADE "5th Generation Aircrew Protection Systems" to strengthen the Aircrew / Aircraft team.

Since the beginning, G-NIUS choose to challenge the traditional aeronautical G-protection principle dating back to the mid-1940's. Our engineers focused on a new PNEUMATIC Compression Principle, resulting in increasing human resistance and mental capacity by facilitating and supporting biological functions under G.

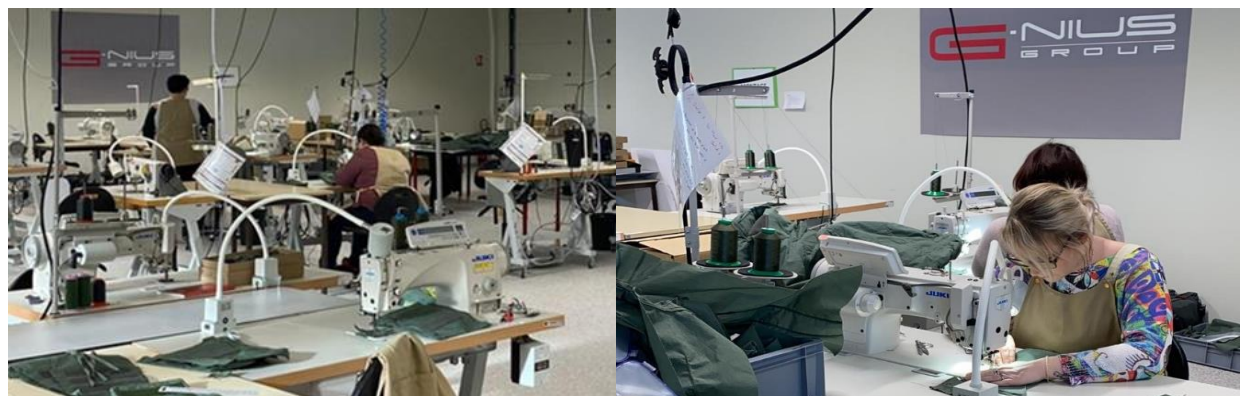
G-NIUS developed unique materials and techniques to manufacture the most efficient, secure and comfortable G-protection Systems ever. We manufacture "G-RAFFE Smart G-protection" as a radically new PNEUMATIC Full Body Compression G-protection Suit in the style of a flight coverall and are proposing the same Compression Principle in the shape of a new G-protection pants.

Manufactured in our own high-tech spacious production facility from ultra-lightweight breathable fabric, quick and effective pneumatic muscles, our unique Compression Principle eliminates the shortfalls of all classical G-protections systems and gives "G-RAFFE Smart G-protection" and "G-NIUS Smart G-pants" an unrivalled level of security, efficiency and in-flight comfort.

G-NIUS Switzerland inc. Headquarters in Eysins, close to Geneva, is managing all operational activities. We are committed to manufacture and deliver the safest, most efficient and comfortable pneumatic G-protection Systems and matched Aircrew Safety Equipment, outclassing all others,

➤ **proposing the fastest, safest and least expensive Fast Jet Upgrade,**

➤  **SWISS MADE**



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The ONLY 5th Generation G-protection Suits



G-RAFFE Smart G-protection Full Body Suit

G-protection with many options

The 5th Generation Aircrew Protection Systems “G-RAFFE Smart G-protection” Full Body Suit matches any Fast Jet performance by improving aircrew protection, safety and comfort in flight in the true sense of applied Human Performance Enhancement (HPE), and exceeds all safety and health requirements.

BENEFITS :

- ✓ increased G-protection with less required effort.
- ✓ little or no AGSM required, no anticipation needed.
- ✓ undisturbed concentration and situation awareness.
- ✓ no communication/voice recognition breakdown at G.
- ✓ lower heart rate under G than other G-protections.
- ✓ avoidance/diminished back pain.
- ✓ reduced aircrew exhaustion.

ADDITIONAL FEATURES :

- ✓ light weight and low bulk.
- ✓ simple maintenance / laundry / check schedules.
- ✓ available F-15-16-18, Rafale, 2000, Typhoon, Mig-29, Su-27-30, L-39, MB-346, Hawk, any other platform on demand.
- ✓ 18 standard sizes, plus custom fit.
- ✓ many options available.



SWISS MADE

assembled under int. Patent Applications
WO 2012/066114 A1
WO 2021/043640 A1

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The ONLY 5th Generation G-protection Suits



G-RAFFE Smart G-protection Full Body Suit

TECHNICAL DATA

| | |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Pockets | A full range of pockets ensure that all operational and mission relevant equipment can be stored or attached / detached rapidly |
| Sizes | 18 sizes standard, plus custom fit for extra big or small body types available |
| Lightweight fabrics | 120 GSM very breathable G-protection fabric to reduce heat strain to a minimum and ensure best possible in flight comfort |
| Fire retardant materials | All shell materials are F.R tested to ensure maximum protection in event of fire |
| Colours | Sage green, beige and black standard, other colours possible |
| Buoyancy | Natural buoyancy due to "Pneumatic Muscle System" surface distribution |
| Options | Many options available : pockets, operational / national requirements and specific end user choices |



ORDERING INFORMATION

| Codes | | | Product name | Size No. | | Body measurements | | |
|--------|--------|--------|---------------------------------|---------------|----|-------------------|-------------|-----------|
| Green | Beige | Black | G-RAFFE Smart G-protection Suit | Suit size No. | | Height in cm. | Chest girth | Hip girth |
| 100-1 | 101-1 | 102-1 | G-Protection Suit Standard | SMALL | 1 | 168 | 90 | 92 |
| 100-2 | 101-2 | 102-2 | G-Protection Suit Standard | | 2 | 170 | 94 | 96 |
| 100-3 | 101-3 | 102-3 | G-Protection Suit Standard | | 3 | 172 | 98 | 100 |
| 100-4 | 101-4 | 102-4 | G-Protection Suit Standard | | 4 | 174 | 102 | 104 |
| 100-5 | 101-5 | 102-5 | G-Protection Suit Standard | | 5 | 176 | 106 | 108 |
| 100-6 | 101-6 | 102-6 | G-Protection Suit Standard | | 6 | 178 | 110 | 114 |
| 100-7 | 101-7 | 102-7 | G-Protection Suit Standard | MEDIUM | 7 | 175 | 92 | 94 |
| 100-8 | 101-8 | 102-8 | G-Protection Suit Standard | | 8 | 177 | 96 | 98 |
| 100-9 | 101-9 | 102-9 | G-Protection Suit Standard | | 9 | 179 | 100 | 102 |
| 100-10 | 101-10 | 102-10 | G-Protection Suit Standard | | 10 | 181 | 104 | 106 |
| 100-11 | 101-11 | 102-11 | G-Protection Suit Standard | | 11 | 183 | 108 | 110 |
| 100-12 | 101-12 | 102-12 | G-Protection Suit Standard | | 12 | 185 | 112 | 116 |
| 100-13 | 101-13 | 102-13 | G-Protection Suit Standard | LARGE | 13 | 182 | 96 | 96 |
| 100-14 | 101-14 | 102-14 | G-Protection Suit Standard | | 14 | 184 | 100 | 100 |
| 100-15 | 101-15 | 102-15 | G-Protection Suit Standard | | 15 | 186 | 104 | 104 |
| 100-16 | 101-16 | 102-16 | G-Protection Suit Standard | | 16 | 188 | 108 | 108 |
| 100-17 | 101-17 | 102-17 | G-Protection Suit Standard | | 17 | 190 | 112 | 112 |
| 100-18 | 101-18 | 102-18 | G-Protection Suit Standard | | 18 | 192 | 116 | 118 |

The ONLY 5th Generation G-protection Suits



G-RAFFE Smart G-protection DACS Full Body Suit

plus integrated Dry Air-Cooling System (DACS)

The new Dry Air-Cooling System (DACS) is integrated into the "G-RAFFE Smart G-protection" Full Body Suit as an option. This lightweight, maintenance simple DACS keeps aircrew body temperature at comfortable levels while subjected to heat and humidity during ground operations and it requires no power source.

BENEFITS :

- ✓ same improvements as "G-RAFFE Smart G-protection" Suit, PLUS integrating DACS Cooling for pre-flight operation.
- ✓ no increased thermal burden when cooling unit off.
- ✓ increased safety by diminished pre-flight dehydration.
- ✓ lightweight and requiring no power source.

ADDITIONAL FEATURES :

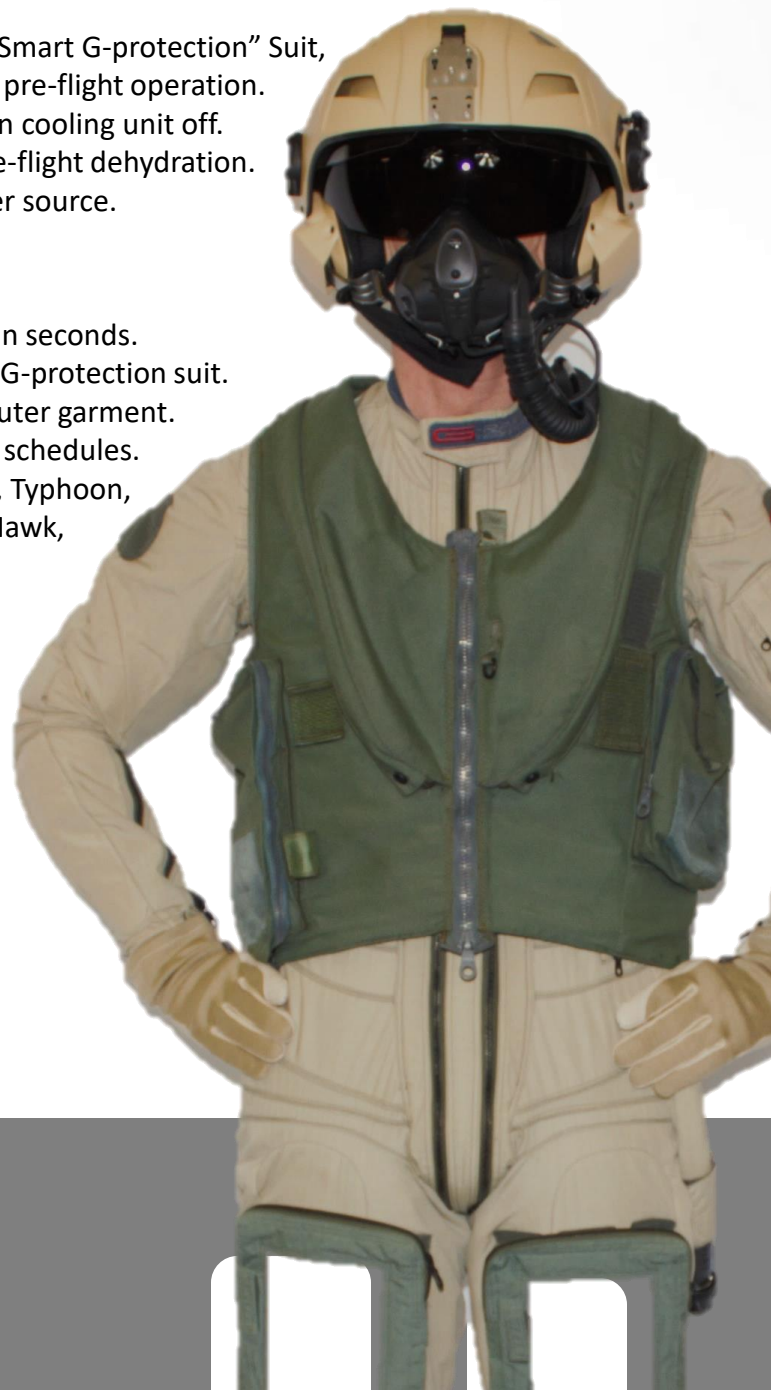
- ✓ continued operations by "reload" in seconds.
- ✓ adds minimal weight / bulk to the G-protection suit.
- ✓ cooling unaffected by additional outer garment.
- ✓ simple DACS maintenance / check schedules.
- ✓ available F-15-16-18, Rafale, 2000, Typhoon, Mig-29, Su-27-30, L-39, MB-346, Hawk, any other platform on demand.
- ✓ 18 standard sizes, plus custom fit.
- ✓ many options available.



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WO 2021/043640 A1
2019/711 350 B1

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The ONLY 5th Generation G-protection Suits



G-RAFFE Smart G-protection Full Body Suit with integrated DACS

TECHNICAL DATA

| | |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| DACS Cooling unit | Hand held or backpack type lightweight unit with unlimited loaded storage time, no or little maintenance, easy to use, cooling level user adjustable |
| Pockets | A full range of pockets ensure that all operational and mission relevant equipment can be stored or attached / detached rapidly |
| Sizes | 18 sizes standard, plus custom fit for extra big or small body types available |
| Lightweight fabrics | 120 GSM very breathable G-protection fabric to reduce heat strain to a minimum and ensure best possible in flight comfort |
| Fire retardant materials | All shell materials are F.R tested to ensure maximum protection in event of fire |
| Colours | Sage green, beige and black standard, other colours possible |
| Buoyancy | Natural buoyancy due to "Pneumatic Muscle" surface distribution |
| Options | Many options available : pockets, specific operational / national requirements and customer choices |



ORDERING INFORMATION

| Codes | | | Product name | Size No. | | Body measurements | | |
|--------|--------|--------|-------------------------------------------------------------------|---------------|----|-------------------|-------------|-----------|
| Green | Beige | Black | G-RAFFE Smart G-protection Suit integrated Dry Air Cooling System | Suit size No. | | Height in cm. | Chest girth | Hip girth |
| 200-1 | 201-1 | 202-1 | G-Protection Suit integrated DACS | SMALL | 1 | 168 | 90 | 92 |
| 200-2 | 201-2 | 202-2 | G-Protection Suit integrated DACS | | 2 | 170 | 94 | 96 |
| 200-3 | 201-3 | 202-3 | G-Protection Suit integrated DACS | | 3 | 172 | 98 | 100 |
| 200-4 | 201-4 | 202-4 | G-Protection Suit integrated DACS | | 4 | 174 | 102 | 104 |
| 200-5 | 201-5 | 202-5 | G-Protection Suit integrated DACS | | 5 | 176 | 106 | 108 |
| 200-6 | 201-6 | 202-6 | G-Protection Suit integrated DACS | | 6 | 178 | 110 | 114 |
| 200-7 | 201-7 | 202-7 | G-Protection Suit integrated DACS | MEDIUM | 7 | 175 | 92 | 94 |
| 200-8 | 201-8 | 202-8 | G-Protection Suit integrated DACS | | 8 | 177 | 96 | 98 |
| 200-9 | 201-9 | 202-9 | G-Protection Suit integrated DACS | | 9 | 179 | 100 | 102 |
| 200-10 | 201-10 | 202-10 | G-Protection Suit integrated DACS | | 10 | 181 | 104 | 106 |
| 200-11 | 201-11 | 202-11 | G-Protection Suit integrated DACS | | 11 | 183 | 108 | 110 |
| 200-12 | 201-12 | 202-12 | G-Protection Suit integrated DACS | | 12 | 185 | 112 | 116 |
| 200-13 | 201-13 | 202-13 | G-Protection Suit integrated DACS | LARGE | 13 | 182 | 96 | 96 |
| 200-14 | 201-14 | 202-14 | G-Protection Suit integrated DACS | | 14 | 184 | 100 | 100 |
| 200-15 | 201-15 | 202-15 | G-Protection Suit integrated DACS | | 15 | 186 | 104 | 104 |
| 200-16 | 201-16 | 202-16 | G-Protection Suit integrated DACS | | 16 | 188 | 108 | 108 |
| 200-17 | 201-17 | 202-17 | G-Protection Suit integrated DACS | | 17 | 190 | 112 | 112 |
| 200-18 | 201-18 | 202-18 | G-Protection Suit integrated DACS | | 18 | 192 | 116 | 118 |

The ONLY 5th Generation G-protection Suits



G-RAFFE Smart G-protection AHAP Full Body Suit

plus integrated High-Altitude Protection (AHAP)

The new 60'000 + feet Autarch High-Altitude Protection (AHAP) is integrated in the "G-RAFFE Smart G-protection" Full Body Suit as an option. It protects nearly 100% of the body surface, is auto-regulating / self-compensating for cabin pressure loss. In slow, rapid or explosive decompression, its instantaneous, autonomous inflation is regulated by atmospheric pressure, thus allowing the safest recovery possible.

BENEFITS :

- ✓ same improvements as "G-RAFFE Smart G-protection" Suit PLUS integrated Full Body AHAP Protection System.
- ✓ integrating PKK and VKK type in ONE only G-protection PLUS High-Altitude protection System.
- ✓ allowing aircraft usage on its full envelop.

ADDITIONAL FEATURES :

- ✓ adds minimal weight / bulk to the G-protection suit.
- ✓ simple AHAP maintenance / laundry / check schedule.
- ✓ available for Mig-29, Su-27-30, any others on demand.
- ✓ 18 standard sizes, plus custom fit.
- ✓ many options available.



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WO 2012/066114 A1
WO 2021/043640 A1

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The ONLY 5th Generation G-protection Suits



G-RAFFE Smart G-protection Full Body Suit with integrated AHAP

TECHNICAL DATA

| | |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AHAP system | Simple maintenance and checks, no additional thermal burden, autonomous and auto-regulating system, additional 300 grams without bulk, safest recovery possible |
| Pockets | A full range of pockets ensure that all operational and mission relevant equipment can be stored or attached / detached rapidly |
| Sizes | 18 sizes standard, plus custom fit for extra big or small body types available |
| Lightweight fabrics | 120 GSM very breathable G-protection fabric to reduce heat strain to a minimum and ensure best possible in flight comfort |
| Fire retardant materials | All shell materials are F.R tested to ensure maximum protection in event of fire |
| Colours | Sage green, beige and black standard, other colours possible |
| Buoyancy | Natural buoyancy due to "Pneumatic Muscle" surface distribution |
| Options | Many options available : pockets, specific operational / national requirements and customer choices |



ORDERING INFORMATION

| Codes | | | Product name | Size No. | Body measurements | | | |
|--------|--------|--------|------------------------------------------------------------------------|---------------|-------------------|----------------|--------------|-----|
| Green | Beige | Black | G-RAFFE Smart G-protection Suit integrated High-Altitude Protection | Suit size No. | Height in cm. | Chest girth | Hip girth | |
| 300-1 | 301-1 | 302-1 | G-Protection Suit integrated AHAP | SMALL | 1 | 168 | 90 | 92 |
| 300-2 | 301-2 | 302-2 | G-Protection Suit integrated AHAP | | 2 | 170 | 94 | 96 |
| 300-3 | 301-3 | 302-3 | G-Protection Suit integrated AHAP | | 3 | 172 | 98 | 100 |
| 300-4 | 301-4 | 302-4 | G-Protection Suit integrated AHAP | | 4 | 174 | 102 | 104 |
| 300-5 | 301-5 | 302-5 | G-Protection Suit integrated AHAP | | 5 | 176 | 106 | 108 |
| 300-6 | 301-6 | 302-6 | G-Protection Suit integrated AHAP | | 6 | 178 | 110 | 114 |
| 300-7 | 301-7 | 302-7 | G-Protection Suit integrated AHAP | MEDIUM | 7 | 175 | 92 | 94 |
| 300-8 | 301-8 | 302-8 | G-Protection Suit integrated AHAP | | 8 | 177 | 96 | 98 |
| 300-9 | 301-9 | 302-9 | G-Protection Suit integrated AHAP | | 9 | 179 | 100 | 102 |
| 300-10 | 301-10 | 302-10 | G-Protection Suit integrated AHAP | | 10 | 181 | 104 | 106 |
| 300-11 | 301-11 | 302-11 | G-Protection Suit integrated AHAP | | 11 | 183 | 108 | 110 |
| 300-12 | 301-12 | 302-12 | G-Protection Suit integrated AHAP | | 12 | 185 | 112 | 116 |
| 300-13 | 301-13 | 302-13 | G-Protection Suit integrated AHAP | LARGE | 13 | 182 | 96 | 96 |
| 300-14 | 301-14 | 302-14 | G-Protection Suit integrated AHAP | | 14 | 184 | 100 | 100 |
| 300-15 | 301-15 | 302-15 | G-Protection Suit integrated AHAP | | 15 | 186 | 104 | 104 |
| 300-16 | 301-16 | 302-16 | G-Protection Suit integrated AHAP | | 16 | 188 | 108 | 108 |
| 300-17 | 301-17 | 302-17 | G-Protection Suit integrated AHAP | | 17 | 190 | 112 | 112 |
| 300-18 | 301-18 | 302-18 | G-Protection Suit integrated AHAP | | 18 | 192 | 116 | 118 |

The ONLY 5th Generation G-protection PANTS



NEW G-RAFFE Smart G-PANTS

The new "G-RAFFE Smart G-Pants" are produced with the same Compression Principle and high-tech, lightweight, breathable FR fabrics as "G-RAFFE Smart G-protection" Full Body Suits.

Manufactured in a G-Pants only version, it incorporates many improvements and options over any classical G-Pants.

BENEFITS :

- ✓ increased G-protection with less required effort.
- ✓ full Lower Body Compression, including buttocks.
- ✓ identical compression principle and materials as "G-RAFFE Smart G-protection" Full Body Suit.
- ✓ very breathable FR fabric and comfortable fit.
- ✓ very quick and simple donning / doffing
- ✓ light weight and low bulk.

ADDITIONAL FEATURES :

- ✓ donning above coverall with laced boots.
- ✓ simple maintenance/laundry procedure.
- ✓ same peripherals as standard G-pants.
- ✓ available for F-15 -16 -18, Rafale, 2000, Typhoon, Mig-29, Su-27-30, L-39, MB-346, Hawk.
- ✓ any other platform on demand.
- ✓ 18 sizes, plus custom fit.
- ✓ many options available.



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assembled under int. Patent Application
WO 2021/043640 A1

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The ONLY 5th Generation G-protection Pants



NEW G-RAFFE Smart G-pants

TECHNICAL DATA

| | |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Pockets | A full range of pockets ensure that all operational and mission relevant equipment can be stored or attached / detached rapidly |
| Sizes | 18 sizes standard, plus custom fit for extra big or small body types available |
| Lightweight fabrics | 120 GSM very breathable G-protection fabric to reduce heat strain to a minimum and ensure best possible in flight comfort |
| Fire retardant materials | All shell materials are F.R tested to ensure maximum protection in event of fire |
| Colours | Sage green, beige and black standard, other colours possible |
| Buoyancy | Natural buoyancy due to "Pneumatic Muscle" surface distribution |
| Options | Many options available : pockets, specific operational / national requirements and customer choices |



ORDERING INFORMATION

| Codes | | | Product name | Size No. | | Body measurements | | |
|--------|--------|--------|-----------------------|---------------|----|-------------------|-------------|-----------|
| Green | Beige | Black | G-RAFFE Smart G-pants | Suit size No. | | Height in cm. | Chest girth | Hip girth |
| 500-1 | 501-1 | 502-1 | G-RAFFE Smart G-pants | SMALL | 1 | 168 | 90 | 92 |
| 500-2 | 501-2 | 502-2 | G-RAFFE Smart G-pants | | 2 | 170 | 94 | 96 |
| 500-3 | 501-3 | 502-3 | G-RAFFE Smart G-pants | | 3 | 172 | 98 | 100 |
| 500-4 | 501-4 | 502-4 | G-RAFFE Smart G-pants | | 4 | 174 | 102 | 104 |
| 500-5 | 501-5 | 502-5 | G-RAFFE Smart G-pants | | 5 | 176 | 106 | 108 |
| 500-6 | 501-6 | 502-6 | G-RAFFE Smart G-pants | | 6 | 178 | 110 | 114 |
| 500-7 | 501-7 | 502-7 | G-RAFFE Smart G-pants | MEDIUM | 7 | 175 | 92 | 94 |
| 500-8 | 501-8 | 502-8 | G-RAFFE Smart G-pants | | 8 | 177 | 96 | 98 |
| 500-9 | 501-9 | 502-9 | G-RAFFE Smart G-pants | | 9 | 179 | 100 | 102 |
| 500-10 | 501-10 | 502-10 | G-RAFFE Smart G-pants | | 10 | 181 | 104 | 106 |
| 500-11 | 501-11 | 502-11 | G-RAFFE Smart G-pants | | 11 | 183 | 108 | 110 |
| 500-12 | 501-12 | 502-12 | G-RAFFE Smart G-pants | | 12 | 185 | 112 | 116 |
| 500-13 | 501-13 | 502-13 | G-RAFFE Smart G-pants | LARGE | 13 | 182 | 96 | 96 |
| 500-14 | 501-14 | 502-14 | G-RAFFE Smart G-pants | | 14 | 184 | 100 | 100 |
| 500-15 | 501-15 | 502-15 | G-RAFFE Smart G-pants | | 15 | 186 | 104 | 104 |
| 500-16 | 501-16 | 502-16 | G-RAFFE Smart G-pants | | 16 | 188 | 108 | 108 |
| 500-17 | 501-17 | 502-17 | G-RAFFE Smart G-pants | | 17 | 190 | 112 | 112 |
| 500-18 | 501-18 | 502-18 | G-RAFFE Smart G-pants | | 18 | 192 | 116 | 118 |

The ONLY 5th Generation FAST JET Immersion Protection Garment



FAST JET Comfortable Immersion Protection Garment

The G-NIUS Fast Jet “Comfortable Immersion Protection Garment” (CIPG) is a new, comfortable and high-tech equipment that offers exceptional protection against hostile exposure over sea or land.

The only CIPG worn as outer layer, ABOVE the “G-RAFFE Smart G-protection” Suit, it always guaranties the same G-protection level. Engineered to improve aircrew safety and mission success through diminished dehydration and increased flight comfort, it is the only thermic COMFORTABLE Immersion Protection Garment that can be worn open during ground operations. It can also be coupled to the G-NIUS Dry Air-Cooling System (DACS).

BENEFITS :

- ✓ worn ABOVE any G-RAFFE Smart G-protection suit, it does not diminish the G-protection level.
- ✓ can be worn open for ground operation comfort.
- ✓ very light weight, breathable and comfortable.
- ✓ F.R and 625 knots wind blast proof fabric.

ADDITIONAL FEATURES :

- ✓ unparalleled easy donning and doffing.
- ✓ light weight and low bulk.
- ✓ including gloves and hood.
- ✓ Wind Blast Proof as outer shell.



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assembled under int. Patent Application
EP 3 324 768 B1

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The ONLY 5th Generation Fast Jet Immersion Protection Garment



Fast Jet Comfortable Immersion Protection Garment

TECHNICAL DATA

| | |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| CIPG | Unique to be worn open for pre-flight operations, lightweight and comfortable for an IPG, can be coupled to G-NIUS DACS Cooling and worn above G-Suit |
| Pockets | A full range of pockets ensure that all operational and mission relevant equipment can be stored or attached / detached rapidly |
| Sizes | 18 sizes standard, plus custom fit for extra big or small body types available |
| Lightweight fabrics | 240 GSM tri-laminate, wind blast proof fabric to reduce heat strain to a minimum and ensure best possible in flight comfort |
| Fire retardant materials | All shell materials are F.R tested to ensure maximum protection in event of fire |
| Colours | Sage green, black and orange, other colours possible |
| Buoyancy | Natural buoyancy due to "Pneumatic Muscle" of G-suit worn underneath |
| Options | Many options available : pockets, specific operational / national requirements and customer choices |

ORDERING INFORMATION

| Codes | | | Product name | Size No. | Body measurements | | | |
|--------|--------|--------|------------------------------------------------------|---------------|-------------------|---------------|-------------|-----------|
| Green | Black | Orange | G-NIUS Comfortable Immersion Protection Garment CIPG | Suit size No. | | Height in cm. | Chest girth | Hip girth |
| 400-1 | 401-1 | 402-1 | G-NIUS Comfortable Immersion Garment | SMALL | 1 | 168 | 90 | 92 |
| 400-2 | 401-2 | 402-2 | G-NIUS Comfortable Immersion Garment | | 2 | 170 | 94 | 96 |
| 400-3 | 401-3 | 402-3 | G-NIUS Comfortable Immersion Garment | | 3 | 172 | 98 | 100 |
| 400-4 | 401-4 | 402-4 | G-NIUS Comfortable Immersion Garment | | 4 | 174 | 102 | 104 |
| 400-5 | 401-5 | 402-5 | G-NIUS Comfortable Immersion Garment | | 5 | 176 | 106 | 108 |
| 400-6 | 401-6 | 402-6 | G-NIUS Comfortable Immersion Garment | | 6 | 178 | 110 | 114 |
| | | | | MEDIUM | 7 | 175 | 92 | 94 |
| 400-7 | 401-7 | 402-7 | G-NIUS Comfortable Immersion Garment | | 8 | 177 | 96 | 98 |
| 400-8 | 401-8 | 402-8 | G-NIUS Comfortable Immersion Garment | | 9 | 179 | 100 | 102 |
| 400-9 | 401-9 | 402-9 | G-NIUS Comfortable Immersion Garment | | 10 | 181 | 104 | 106 |
| 400-10 | 401-10 | 402-10 | G-NIUS Comfortable Immersion Garment | | 11 | 183 | 108 | 110 |
| 400-11 | 401-11 | 402-11 | G-NIUS Comfortable Immersion Garment | | 12 | 185 | 112 | 116 |
| | | | | | | | | |
| 400-12 | 401-12 | 402-12 | G-NIUS Comfortable Immersion Garment | LARGE | 13 | 182 | 96 | 96 |
| 400-13 | 401.13 | 402-13 | G-NIUS Comfortable Immersion Garment | | 14 | 184 | 100 | 100 |
| 400-14 | 401.13 | 402-14 | G-NIUS Comfortable Immersion Garment | | 15 | 186 | 104 | 104 |
| 400-15 | 401.13 | 402-15 | G-NIUS Comfortable Immersion Garment | | 16 | 188 | 108 | 108 |
| 400-16 | 401.13 | 402-16 | G-NIUS Comfortable Immersion Garment | | 17 | 190 | 112 | 112 |
| 400-17 | 401.13 | 402-17 | G-NIUS Comfortable Immersion Garment | | 18 | 192 | 116 | 118 |
| 400-18 | 401.13 | 402-18 | G-NIUS Comfortable Immersion Garment | | | | | |

5th Generation Air-Born Cooling System



Coveralls for ROTARY and FIXED WING

with integrated Dry Air-Cooling System

The G-NIUS Dry Air-Cooling System (DACS) is available incorporated in Rotary, Fixed Wing, Tank Crew, and other Heat Stress applications garments.

This new, maintenance simple DACS keeps the body temperature at comfortable levels while subjected to extreme heat / humidity.

BENEFITS :

- ✓ increasing safety through diminished dehydration.
- ✓ efficiently reducing peak heat stress during operations.
- ✓ light and easy to operate, requiring no power source.
- ✓ individual or Cockpit System with variable autonomy.

ADDITIONAL FEATURES :

- ✓ does not increase thermal burden when cooling unit off.
- ✓ cooling effect unaffected by additional outer garment.
- ✓ adaptable in any heat stress application and garment.
- ✓ adds minimal weight / bulk to the any garment.
- ✓ continued operations by "reload" in seconds.
- ✓ available as Tank, Oil & Gaz drilling Coverall.
- ✓ available in all sizes and colors.



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assembled under int. Patent Application
2019/711 350 B1

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5th Generation Air-Born Cooling System



NOMEX® Comfort Coveralls for ROTARY / FIXED WING

TECHNICAL DATA

| | |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| DACS Cooling Unit | Hand held or backpack type lightweight unit with unlimited loaded storage time, no or little maintenance, easy to use, cooling level user adjustable |
| Pockets | A full range of pockets ensure that all operational and mission relevant equipment can be stored or attached / detached rapidly |
| Sizes | From XS to 3XL standard, plus custom fit for extra big or small body types available |
| Lightweight fabrics | NOMEX® Comfort, lightweight and breathable to ensure best possible ground and in flight comfort |
| Fire retardant materials | All shell materials are F.R tested to ensure maximum protection in event of fire |
| Single colours | Sage green, beige, black, blue, orange |
| Dual / triple colours | Any custom colour combination available |
| Options | Many options available : pockets, specific operational / national requirements and customer choices |



ORDERING INFORMATION

| Codes | | | Product name | Size | | Body measurements | | |
|-------|-------|-------|----------------------------------------------------------------------|-----------|-----|-------------------|----------------|--------------|
| Green | Beige | Black | G-NIUS Premium Aircrew Coverall integrated Dry Air Cooling System | Suit size | | Height in cm. | Chest girth | Hip girth |
| 600-1 | 601-1 | 602-1 | G-NIUS Premium Aircrew Coverall DACS | SMALL | S | 150 | 90 | 96 |
| 600-2 | 601-2 | 602-2 | G-NIUS Premium Aircrew Coverall DACS | | M | 160 | 95 | 100 |
| 600-3 | 601-3 | 602-3 | G-NIUS Premium Aircrew Coverall DACS | MEDIUM | L | 170 | 103 | 103 |
| 600-4 | 601-4 | 602-4 | G-NIUS Premium Aircrew Coverall DACS | | XL | 175 | 108 | 105 |
| 600-5 | 601-5 | 602-5 | G-NIUS Premium Aircrew Coverall DACS | LARGE | 2XL | 180 | 113 | 108 |
| 600-6 | 601-6 | 602-6 | G-NIUS Premium Aircrew Coverall DACS | | 3XL | 185 | 118 | 112 |
| 600-7 | 601-7 | 602-7 | G-NIUS Premium Aircrew Coverall DACS | XLARGE | 4XL | 190 | 128 | 123 |
| 600-8 | 601-8 | 602-8 | G-NIUS Premium Aircrew Coverall DACS | | 4XL | 195 | 138 | 138 |

Premium Comfortable Aircrew Under Garment



NOMEX® Premium Aircrew Under Garment (PAUG)

The Premium Aircrew Under Garment (PAUG), is engineered as a sanitary, fine and functional under garment to wear under the various G-RAFFE Systems. This fabric is pleasant to the touch, lightweight, has superior wicking capabilities for transporting perspiration away from the skin, thus keeping the body comfortable and diminishing body odor.

BENEFITS :

- ✓ inherently flame-retardant fabric without surface F.R coating.
- ✓ tailoring and seam construction for comfort under G.
- ✓ excellent resilience to under garment laundry cycles.
- ✓ very soft, unique and pleasant touch.

ADDITIONAL FEATURES :

- ✓ specially tailored to eliminate pressure marks.
- ✓ very soft, comfortable, stretch, inherently F.R.
- ✓ superior wicking perspiration away from skin.
- ✓ keeps body comfortable, diminishes body odor.
- ✓ standard under garment laundry cycles.
- ✓ winter long and summer short versions.
- ✓ available from XS to 3XL and 3 lengths.
- ✓ custom colors, piping and collars available.



SWISS MADE

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Premium Comfortable Aircrew Under Garment



NOMEX® blend Premium Aircrew Under Garment (PAUG)

TECHNICAL DATA

| | |
|---------------------------------|------------------------------------------------------------------------------------------------------------|
| Lightweight fabrics | NOMEX® blend, lightweight and breathable to ensure best possible ground and in flight comfort |
| Fire retardant materials | All materials are inherently F R. to ensure maximum protection in event of fire |
| Colours | Sage green, beige, black, white and grey |
| Dual / triple colours | Any custom colour combination available |
| Sizes | From XS to 3XL standard, plus custom fit for extra big or small body types available |
| Options | Many options available : long and short versions, operational / national requirements and customer choices |



ORDERING INFORMATION

| Codes | | | Product name | Size | | Body measurements | | |
|-------|-------|-------|----------------------------------------------|-----------|-----|-------------------|----------------|--------------|
| Green | Beige | Black | Premium Comfortable Aircrew Under Garment | Suit size | | Height in cm. | Chest girth | Hip girth |
| 800-1 | 801-1 | 802-1 | Long sleeves - leggings | SMALL | S | 150 | 90 | 96 |
| 800-2 | 801-2 | 802-2 | Long sleeves - leggings | | M | 160 | 95 | 100 |
| 800-3 | 801-3 | 802-3 | Long sleeves - leggings | MEDIUM | L | 170 | 103 | 103 |
| 800-4 | 801-4 | 802-4 | Long sleeves - leggings | | XL | 175 | 108 | 105 |
| 800-5 | 801-5 | 802-5 | Long sleeves - leggings | LARGE | 2XL | 180 | 113 | 108 |
| 800-6 | 801-6 | 802-6 | Long sleeves - leggings | | 3XL | 185 | 118 | 112 |
| 800-7 | 801-7 | 802-7 | Long sleeves - leggings | XLARGE | 4XL | 190 | 128 | 123 |
| 800-8 | 801-8 | 802-8 | Long sleeves - leggings | | 5XL | 195 | 138 | 138 |
| | | | | | | | | |
| 810-1 | 811-1 | 812-1 | T-shirt - shorts | SMALL | S | 150 | 90 | 96 |
| 810-2 | 811-2 | 812-2 | T-shirt - shorts | | M | 160 | 95 | 100 |
| 810-3 | 811-3 | 812-3 | T-shirt - shorts | MEDIUM | L | 170 | 103 | 103 |
| 810-4 | 811-4 | 812-4 | T-shirt - shorts | | XL | 175 | 108 | 105 |
| 810-5 | 811-5 | 812-5 | T-shirt - shorts | LARGE | 2XL | 180 | 113 | 108 |
| 810-6 | 811-6 | 812-6 | T-shirt - shorts | | 3XL | 185 | 118 | 112 |
| 810-7 | 811-7 | 812-7 | T-shirt - shorts | XLARGE | 4XL | 190 | 128 | 123 |
| 810-8 | 811-8 | 812-8 | T-shirt - shorts | | 5XL | 195 | 138 | 138 |

Premium High Performance Tactile Aircrew Gloves



NOMEX® Premium Tactile Aircrew Gloves

G-NIUS Premium Tactile Aircrew Gloves are manufactured according to Specs and Directive 89/689/EC, comply to the norms PN-EN 420:2005, PN-EN 388:2006 (protective glove against mechanical risk) and PN-EN 407:2007 (protective glove against thermal risk – heat and/or fire).

BENEFITS :

- ✓ unparalleled tactile sensitivity, handling comfort, touch-screen use.
- ✓ inherently flame-retardant, very soft, abrasion resistant lamb Napa leather on all palm portions provides an excellent anti-slip surface and protection
- ✓ excellent insulation against uncomfortable heated surfaces and flash fire hazard

ADDITIONAL FEATURES : Summer Premium Tactile Aircrew Gloves

- ✓ lamb Napa leather gripping surfaces
- ✓ special stitching and seam construction for optimal dexterity
- ✓ sizes 6-11
- ✓ colours: sage green Nomex®/black lamb Napa leather - beige Nomex®/natural lamb Napa leather – black Nomex®/black lamb Napa leather
- ✓ additional colour variations possible

ADDITIONAL FEATURES : Winter Premium Tactile Aircrew Gloves

- ✓ lamb Napa leather/mix wool lining/knitted cuff
- ✓ other specs as per summer glove



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Premium High Performance Tactile Aircrew Gloves



NOMEX® Premium Tactile Aircrew Gloves

TECHNICAL DATA

| | |
|--------------------------|-----------------------------------------------------------------------------------|
| Lightweight fabrics | NOMEX® knitted fabric to ensure best possible in flight comfort and dexterity |
| Fire retardant materials | All materials are inherently F R. to ensure maximum protection in event of fire |
| Touch screen | Thumb and index finger standard, all 5 also possible |
| Colours | Sage green, beige, black standard |
| Dual / triple colours | Any custom colour combination available |
| Sizes | From 6 to 11 standard, plus 1/2 sizes and custom fit for extra big or small hands |
| Options | Long and short, summer and winter versions |



ORDERING INFORMATION

| Codes | | | Product name | Size |
|--------|--------|--------|--------------------------------|----------|
| Green | Beige | Black | Premium Tactile Aircrew Gloves | size No. |
| 900-06 | 901-06 | 902-06 | Premium Tactile Aircrew Gloves | 6 |
| 900-07 | 901-07 | 902-07 | Premium Tactile Aircrew Gloves | 7 |
| 900-08 | 901-08 | 902-08 | Premium Tactile Aircrew Gloves | 8 |
| 900-09 | 901-09 | 902-09 | Premium Tactile Aircrew Gloves | 9 |
| 900-10 | 901-10 | 902-10 | Premium Tactile Aircrew Gloves | 10 |
| 900-11 | 901-11 | 902-11 | Premium Tactile Aircrew Gloves | 11 |



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