

Technical data sheet # EPA38E**Artt. VERA JS1, VERA JS1-300 & VERA JS2
ESD SAFE CHAIRS****GENERAL**

VERA JS is the new ELME ESD chair model, meeting all ESD requirements of IEC 61340-5-1 std and ESDA 2020 std. it is available in 3 models, each with choice of wheels of feet.

THE STRUCTURE The structure meets the most recent standards on ergonomic and safe seating. The shape of the backrest is long and large enough to offer a safe and adherent protection to the operator's back and torso. The seat is larger for increased comfort keeping the body always in the correct position. Both seat and backrest are cushioned with extra soft lining. the density of the foam has been increased with respect to the former model. The inner foam is flame resistant for additional safety

THE METAL BASE the base of the VERA JS is made of aluminium in order to be fully ESD, cleanroom compatible and to reduce the overall weight of about 1,3 Kg with respect to the former K model.

THE ADJUSTMENT The backrest follows the back of the operator up and down and back and forth with a smooth movement. The seat has a gas elevation allowing quick adjustment.

THE RESISTANCE TO FLAME The textile and the foam lining used is unflamable, resisting to flame and burning. This is most important for burns of irons, cigarettes or others. The durability of the chair is therefore ensured against these inconveniences.

METAL-FREE FABRIC Unlike most of the competition, VERA JS chairs have adapted a metal-free fabric. The usage of metal in the fabric is an easier way to provide conductivity, but, on the other hand, it may generate at least two big problems such as:

- **Short circuits:** if there is metal in the formulation there is a risk with live conductors accidentally touching the textile (for example a 220 Volt cable falling on the chair) because metal fibre has zero Ohm resistance, thus connecting directly the body with the fabric. Our fabric has higher value of resistance, resulting in additional protection for the operator.
- **Less comfort:** the presence of metal causes rigidity in the fabric and less comfort for the operator.

Therefore we have decided not to use metal in the fabric in order to prevent these problems and provide customers with a safe and comfortable fabric.

COLOUR Moreover the colour of the fabric is darker in order to minimize visibility of eventual stains or signs due to dust and dirt. Anyway, a regular cleaning maintenance, especially into production environments, is warmly recommended: a clean fabric makes a better surface electrical connection.

THE CONDUCTIVITY OF THE BACK PLASTIC PANEL The rear of the backrest has a plastic cover which is totally ESD safe. This is important as any isolated surface should be avoided in a ESD protected environment. Moreover the chairs will carry an ESD symbol on the back.

THE SAFETY WHEELS WITH BRAKE Additional safety due to the ESD safety wheels with brake given as standard to all VERA JS models. The chair slows down with the brake as no one sits, in order to protect standing people from sliding chairs around the place. As the operator sits, the brakes release and the chair is safely free to move with no resistance. ESD feet are also available.

ARMRESTS as optional VERA JS can include fixed or adjustable armrests

GENERAL INFORMATIONS

Base	Polished aluminium	
Elevation	Gas elevation	
Fabric	Unflammable	CSERF1 1/75/A Class 1
		CSERF 3/77 Class 1
Fabric weight	530 g/m ²	
Fabric surface resistance	$1 \times 10^5 < R < 8 \times 10^5$	IEC 61340-5-1
Chair resistance to ground	$1 \times 10^5 < R < 1 \times 10^6$	IEC 61340-5-1
Color	Grey antracite	
Adjustments	Height of the seat	
	Height of the backrest	
	Depth of the backrest	
	Inclination of the backrest for permanent contact with the operator's back	

VERA JS1P - feet

Height of the seat from ground	470 - 590 mm
Footrest	no
netto	10,25 Kg
Weight (Packed)	12.25 Kg

VERA JS1R - wheels

Height of the seat from ground	470 - 590 mm
Footrest	no
netto	10,30 Kg
Weight (Packed)	12.30 Kg

VERA JS1-300P- feet

Height of the seat from ground	540 - 730mm
Footrest	no
Weight (netto)	10,55 Kg
Weight (Packed)	12.55 Kg

VERA JS1-300R - wheels

Height of the seat from ground	540 - 730mm
Footrest	no
Weight (netto)	10,60 Kg
Weight (Packed)	12.60 Kg

VERA JS2P - feet

Height of the seat from ground	650 - 770 mm
Footrest	yes
Weight (netto)	12,10
Weight (Packed)	14,10

VERA JS2R - wheels

Height of the seat from ground	650 - 770 mm
Footrest	yes
Weight (netto)	12,15
Weight (Packed)	14,15

FIXED ARMREST

VERA JS fixed armrest, rigid plastic

ADJUSTABLE ARMREST

VERA JS adjustable armrest, cushioned vinyl cover

ESD ADJUSTABLE ARMREST



VERA JS ESD ADJUSTABLE ARMREST with ESD fabric cushioned top cover and ground connection cord (to be connected to the chair structure)

The datas shown above are intended only as general indication of the standard production values. The do not refer to specific production lots. The document has no legal value.

Technical data sheet # EPA11E

**Art SIT COVER
ESD SEAT COVERS FOR EPA**



GENERAL

Static dissipative cover sets to convert standard chairs into ESD safe ones suitable for Electrostatic Protected Areas (EPA). Due to elastic laces, SIT-COVER ESD chairs covers are designed for chairs of different seat and backrest dimensions.

The SIT-COVER set, designed in dark antracite colour, is unflamable and does not contain metal. Highly resistant to wearout, includes the seat cover, the backrest cover (electrically linked together by a cord) and the ground cord (please specify) with 1 Mohm resistor.

SIT-COVER fabric is the same used for VERA ESD chairs.

THE RESISTANCE TO FLAME

The textile and the foam lining used is unflamable, resisting to flame and burning. This is most important for burns of irons, cigarettes or others. The durability of the chair is therefore ensured against these inconveniences.

METAL-FREE FABRIC

Unlike most of the competition, SITCOVER is made of metal-free fabric. The usage of metal in the fabric is an easier way to provide conductivity, but, on the other hand, it may generate at least two big problems such as:

Short circuits: if there is metal in the formulation there is a risk with live conductors accidentally touching the textile (for example a 220 Volt cable falling on the chair) because metal fibre has zero Ohm resistance, thus connecting directly the body with the fabric. Our fabric has higher value of resistance, resulting in additional protection for the operator.

Less comfort: the presence of metal causes rigidity in the fabric and less comfort for the operator.

Therefore we have decided not to use metal in the fabric in order to prevent these problems and provide customers with a safe and comfortable fabric.

DARK COLOUR

Dark grey colour (Antracyte) was chosen to minimize visibility of eventual stains or signs due to dust and dirt. Anyway, a regular cleaning maintenance, especially into production environments, is warmly recommended: a clean fabric makes a better surface electrical connection.

TECHNICAL FEATURES

Unflammable fabric	CSERF1 1/75/A Class 1 CSERF 3/77	Class 1 Unflammable
Fabric weight	530 grs per sqm	
Color	Grey antracyte	
Surface resistance of the fabric	IEC 61340-5-1	0.5 < R < 0.8 MOhm
Static decay time	IEC 61340-5-1	< 0.5 sec
Resistance to ground (using Elme 601 ground cord)	IEC 61340-5-1	1 Mohm

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