

DVS
Digital Voltage Stabiliser
Electromechanical

VEGA

single-phase
0.3-25kVA





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VEGA stabilisers can be chosen to match different ranges of input voltage fluctuation.

Standard models offer a **double input connection** so that with the same unit two different input variations ($\pm 15\%$ / $\pm 20\%$ or $\pm 25\%$ / $\pm 30\%$) can be dealt with.

An **automatic circuit breaker** is mounted on the regulation circuit to **protect** against overload and short circuit on the voltage regulator. The auxiliary circuit is protected by **fuses**.

A **digital display** providing with output voltage and alarm readings is fitted on the front panel.

By means of a changeover contact, the stabiliser control card allows for the visual and acoustic signalling of the following **alarms**:

- Min/max output voltage.
- Internal overheating.
- Overload on the voltage regulator.

The control logic is based on a digital **microprocessor**.

All the VEGA stabilisers are fitted with the **same control card**, thus simplifying maintenance operations and spare parts storage.

Standard features

Selectable output voltage	220-230-240V
Frequency	50/60Hz $\pm 5\%$
Admitted load variation	Up to 100%
Cooling	Natural ventilation
Ambient temperature	-25/+45°C
Storage temperature	-25/+60°C
Max relative humidity	95%
Admitted overload	200% 2 min.
Harmonic distortion	None introduced
Colour	RAL 7035
Protection degree	IP21
Instrumentation	Output digital voltmeter
Installation	Indoor

Optional features

Interrupting devices
Over/undervoltage protection
Manual bypass line
Total protection kit
Input isolating transformer
SPD surge arrestors
EMI/RFI filters
IP54 protection degree for indoor and outdoor

All ORTEA stabilisers are designed and built in compliance with the 2006/95/EEC (Low Voltage) and 2004/108/EEC (Electromagnetic Compatibility) European Directives with regard to the CE marking requirements. ORTEA products are built with suitable quality components and that the manufacturing process is constantly verified in accordance with the Quality Control Plans which the Company applies in compliance with the ISO 9001:2008 Standards. The commitment towards environmental issues and safety at work matters is guaranteed by the certification of the Management System according to the ISO 14001:2004 and OHSAS 18001:2007 Standards.

In order to obtain better performance, the products described in the present document can be altered by the Company at any date and without prior notice. Technical data and descriptions do hold therefore any contractual value.



WIDE RANGE



Different standard range of input voltage fluctuation:
symmetrical: **±15%, ±20%, ±25%, ±30%** (other on request)
asymmetrical: **+15%/-25%, +15%/-45%** (other on request)

Output voltage accuracy: **±0.5%**.

TECHNOLOGY



Control logic based on digital **microprocessor** with Ortea dedicated firmware.
All the Vega, Antares and Orion stabilisers are fitted with the **same control card**, thus simplifying maintenance operations and spare parts storage.

LONG LIFE



Ortea system voltage regulator with **rollers**, no sliding (consuming) parts.

PROTECTION



An **automatic circuit breaker** is mounted on the regulation circuit to protect against overload and short circuit on the voltage regulator.

The auxiliary circuit is protected by **fuses**.

DISPLAY



A **digital display** providing with output voltage and alarm readings is fitted on the front panel.

QUALITY



In order to provide with the **best quality**, the productive process includes intermediate checks and a thorough **final test for each** voltage stabiliser.
The implemented quality system ensures that all the production steps are controlled, from component verification at reception to the choice of the most suitable packaging depending on the type of transportation.

CERTIFICATION



Approved managing system:

- **ISO9001:2008**
- **ISO14001:2004**
- **OHSAS18001:2007**



APPROVED MANAGING SYSTEM



ISO9001



ISO14001



OHSAS18001

Founded in 1969, ORTEA SpA is a leading company in manufacturing and engineering voltage stabilisers and magnetic components.

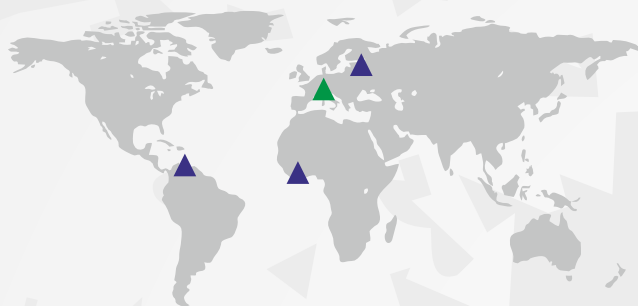
Over forty years in the business and ongoing technical research have made of ORTEA a competitive and technologically advanced company. Close co-operation between design, production and marketing enables to meet the requirements of a constantly growing number of customers.

In 1996 ORTEA joined ICAR Group, made of Italian and European industrial units specialised in manufacturing capacitors and power factor correction systems.

Beside standard production, ORTEA can be extremely flexible in developing and manufacturing special equipment according to User's specification. All this thanks to the experience gained over many years of applied technological development. Such development includes IT tools that enable the technical staff to elaborate electrical and mechanical designs for each «custom product» on a quick and cost-effective basis.

ORTEA is well established in the global market.

Thanks to strategically positioned offices and distributors and efficient commercial relations, ORTEA's products are installed and working in a large number of countries.



▲ ORTEA headquarters (Italy)

▲ ORTEA branches (Russia, Ivory Coast, Venezuela)

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Via dei Chiosi, 21
20873 Cavenago di Brianza MB - ITALY

Phone: +39.02.95.917.800

Fax: +39.02.95.917.801

Mail: sales@ortea.com