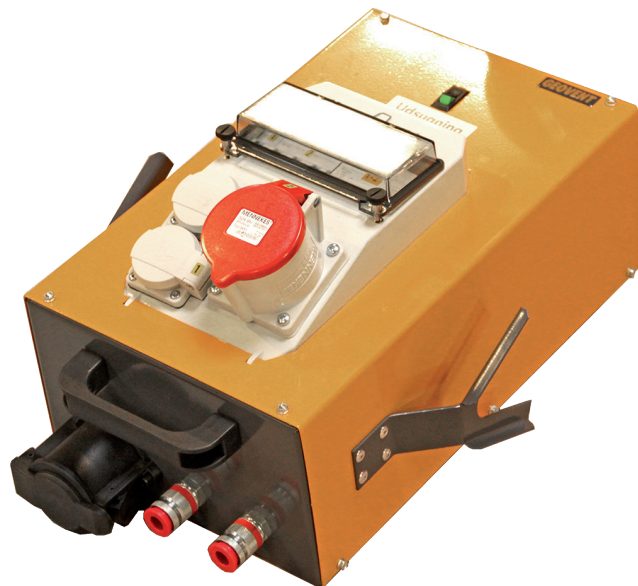




GEOVENT

INSTRUCTION MANUAL



ENERGY ARM

Power, Compressed air and High Vacuum Extraction

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1.0 General safety precautions

IMPORTANT – Carefully read the entire instruction manual before mounting and commissioning. Please keep these instructions in a safe place and instruct all users in the function and operation of the energy arm.

Installation and service should only be carried out after studying section 4 thoroughly.

Avoid detaching any factory-mounted parts, since it impedes the commissioning of the equipment.

All electrical installations must be carried out by an authorised electrician.

1.1 Danger

It is potentially deadly to touch the wires under the Yellow cover shield.
Use extreme caution.

1.2 Area of application

The GEOVENT Energy arm is used where power, point extraction and compressed air is needed at a workstation.

The energy arm is NOT for use in areas categorized as ATEX zones. Use only ATEX approved material.

1.3 Handling

Use protective gloves when transporting and installing the energy arm.

1.4 Technical data

Power outlet: 1x230V, 13A

Supply: 3x400V, 16A

Compressed air: 2 outlets,

Extraction: High Vacuum with ø50 flap valve.

1.5 Construction

Wall console + arm: Painted steel, 50x100 profile, The swivel joint of the console pivots up to 270°.

Protective box: Powdercoated, galvanized steel.

Suspension: Balancer and hose (GeoFlex P2A 1000) for hose- and cables.

Hose for High Vacuum and cables are kept in the spiroduct on the arm.

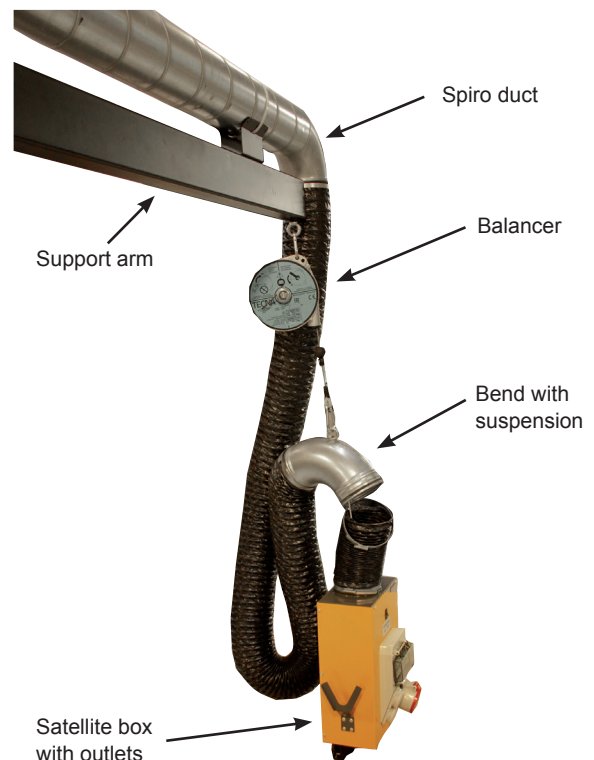
2.0 Installation

The energy arm is supplied un-assembled. Depending on the model it consists of one arm and spiro duct, one protective box with outlets, one assembly kit with balancer, bend with suspension and hose with hose clamps and rubber bands for ducting.

Any ordered alterations will be stated on the order confirmation/invoice.

Before mounting, please consider:

- Ample space for satisfactory use of the arm.
- Optimum height of installation.
- Ducting and connections.
- First fasten the wall console of the arm on a sturdy wall - e.g. a concrete wall.
- Mount arm on console.
- Fit spiro duct on the arm.
- Pass cables and hoses through spiroduct, flexible hose and bend. (Remember to attach hose clamp and rubber band prior to this.)
- Connect cables and hoses to the satellite.
- Suspend the satellite.



When mounting using bend and suspension a wire is placed in the hose to maintain a fixed distance between bend and satellite. Adjust distance as you wish.



Suspension available after request. Shown here is a balancer, which will automatically pull the satellite back to its position after use. Alternatively the suspension can be at a fixed height keeping the satellite in place at a predefined height. In this case a wire is attached to the arm and the satellite maintaining the desired height.



The satellite as seen from above with the eyelet for the wire.

Energy arm with satellite.

Shown with intermediate joint and suspension with balancer.

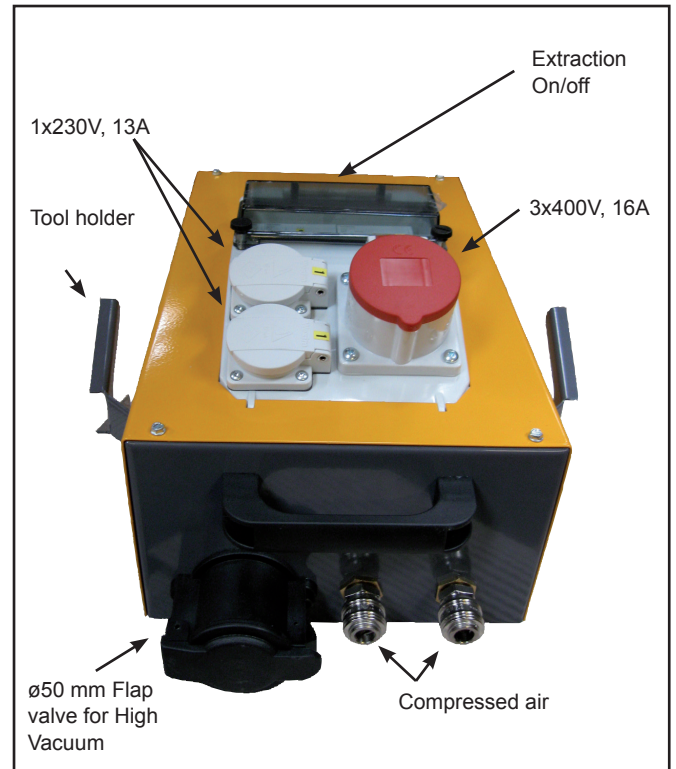


2.1 Connect to power

Power connection must be carried out by a trained and certified electrician.

Recommended transformer effect: 70 W

Connection of electrical board: Please refer to the documentation for the specific board.



3.0 User instruction

Pull the satellite down to the desired working height. After use disconnect the used connections and pull the satellite down and let it roll back up. Do not release the satellite before it is in place. The tool holder is intended for light hand tools only.

4.0 Maintenance

The energy arm does not require further maintenance. However, the supply connections should be inspected regularly for leaks/breakage.

5.0 Liability

Warranty

Geovent A/S grants a warranty for products, which are defective, when it can be proved that the defects are due to poor manufacture or materials on the part of Geovent. The warranty comprises remedial action (reparation or exchange) until one year after date of shipment.

No claims can be made against Geovent A/S in relation to loss of earnings or consequential loss as a result of defects on products from Geovent.

Wear on parts such as filter cartridges is not included in the warranty.

User liability

In order for Geovent to be capable of granting the declared warranty, the user/fitter must follow this Instruction Manual in all respects.

Under no circumstances may the products be changed in any way, without prior written agreement with Geovent

We refer to sales- and delivery terms at www.geovent.com

6.0 Declaration of conformity

Geovent A/S
hereby declares that:

The product: Energy arm

has been manufactured in compliance with the following directives and standards:

European Parliament and Council Directive 2006/42/EC of 17 May 2006 on machinery, and amendments to Directive 95/16/EC.

EN ISO 14121-1:2007 Risk assessment – part 1

EN ISO 12100-1:2005 Basic concepts and general principles for design.

EN ISO 12100-1:2009 construction and design
Part 1: Basic terminology and methodology

EN ISO 12100-2:2005 Basic concepts and general principles for design.

EN ISO 12100-2:2009 Construction and design
Part 2: Technical principles

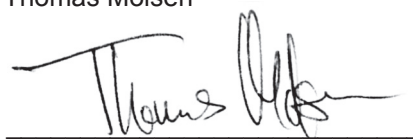
Authorized to maintain technical file:

Ole Madsen

Date: 02/09 - 2014

Position: Managing director
Name: Thomas Molsen

Signature :



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