Environmental declaration Type II

GENERAL PRODUCT INFORMATION

Name of product series	*Packaging*
ZTVB & ZTRB DN25-40	Cardboard

COMPANY INFORMATION

Company, address and telephone

AB REGIN
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Company description

Regin is the collected trademark for products and systems within building automation. The company's knowledge is based on many years of wide experience within control, automation and flow control. Regin AB has a certified quality assurance system according to ISO 900 I

Ongoing environmental work

Regin designs products on commission from clients as well as for resale. Regin can control environmental aspects related to product development and when choosing suppliers and components. Regin AB intend to begin working with environmental certification according to ISO 14 001.
Regin AB intend to gradually start developing MVD Type II (Regins own environmental declaration) for our products.

PRODUCT INFORMATION

General

Recommended field of application is stated in the technical documentation.
There is an unambiguous and lasting label (manufacturer, product name, serial number etc) on the product.
The labelling is linked to the technical documentation which makes the product clearly identifiable.

Product design

These two-way and three-way valves consist of the following parts, valve body with connection for the actuator and the movable part inside the valve body is the plug that regulates the flow through the valve. The plug is connected to a stem and the seal between the stem and the body consists of O-rings. The seal between the plug and the seat in the body also consists of O-rings.

Component modules	Weight gram	Weight %
Metal, Brass, CuZn39Pb3	952-1962	88-94
Metal, Stainless Steel, SS2346	12	0,6-1,1
Metal, Carbon Steel, SS1312	27	1,3-2,5
Metal, Spring Steel, SS2387-2	7,5	<1
Metal, other	1	<1
EPDM etc	6-8	<1
Packaging	75	3,6-7

PRODUCT INFORMATION, RESOURCES AND HAZARDOUS SUBSTANCES

Component modules	**Resources** (metals, organic, non-organic substances)	**Hazardous substances** (Kd, Hg, Pb, PCB, PVC, PBB, PBBE etc)
Valve Body	Cu, Zn, Pb	Pb
Spring steering etc	Cu, Zn, Pb	Pb
Cover or third port	Cu, Zn, Pb	Pb
Plug	Cu, Zn, Pb	Pb
Stem	Fe, Cr, Ni	Cr, Ni
Spring	Fe, Cr, Ni, Si, Mn, C	Cr, Ni
Screws	Fe, C, Zn	
O-rings (EPDM)	Ethylene propylene diene (M-class rubber)	
Notes, the products content		

PRODUCTION

The operation does not need licensing

DISTRIBUTION

Production district Osby
Mode of transportation Lorry
Mode of distribution The commodity is normally distributed via a warehouse/wholesaler.
Wrapping Material Wood, paper, plastic
Packaging material can not be returned
Regin AB is connected to REPA

BUILDING PHASE

Documented instructions for mounting and commissioning are included with the commodity.
In the instructions there are recommendations concerning

- Safeguard measurement for handling procedures and mounting.
- Handling of the commodity at the workplace and during mounting.

USAGE PHASE

Running

The product does not need any surplus energy (electricity) during normal operation.
The product does not have any environmental impact to the surrounding environments during normal operation.
Normally, the product does not need any maintenance.
It is not possible to estimate the products life span in advance.
There is no documentation concerning expected life span at different conditions.
Documented instructions for appropriate operation and maintenance are appended with the product.

Emergency

DEMOLITION

The product is prepared for environmentally sound dismantling.
Dismantling of the product:

1. The product is easily disassembled with a vice grip, a pair of pliers and a 6mm hex key.

WASTE MANAGEMENT

The long life span of the product means that the recycling situation can be different from today when the product shall be recycled.
The product is required, by law, to be handled according to standard waste management procedures.
The materials can easily be separated into a high separation degree.

All the components in the product are recyclable. Either by recycling the material (all the metal) or by recycling the energy (O-rings, packing etc).

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