

Environmental declaration Type II

GENERAL PRODUCT INFORMATION

Name of product series	Packaging
ZMD2/ZMD3 DN15-40	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 9001

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 14001. Regin AB intend to gradually start developing MVD Type II (Regin's 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 electro-mechanical actuator. The main 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.

Component modules	Weight gram	Weight %
Metal, Brass, CW614N	687-1986	52-54
Metal, DZR Brass, CW511L	278-663	18,5-20
Metal, Stainless Steel, 1.4305	19	0,5-1,4
Metal, Spring Steel, 1.4418	7-80	0,5-2
Metal, Malleable cast iron	288-798	20,5-21,5
EPDM	4	0,1
Nylon, PA6	12	0,3

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, Pb, Zn	Pb
Port B	Cu, Pb, Zn	Pb
Actuator mount	Cu, Pb, Zn	Pb
Stuffing box	Cu, Pb, Zn	Pb
Plug	Cu, Pb, Zn	Pb
Stem	Fe,Cr, Ni	Cr, Ni
Pipe connection/Cover	Cu, Pb, Zn, Sn	Pb
Connection nut	Fe, C, Si, Mn, Zn	
Spring	Fe, Cr, Ni, Si, Mn, C	Cr, Ni
O-rings (EPDM)	Ethylene propylene diene monomer (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 wrench in a suitable size, a pair of circlip pliers and a pair of multi grip pliers.

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).