

Environmental declaration Type II

GENERAL PRODUCT INFORMATION

Name of product series	Packaging
BV2../BV3.. DNI5...50	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 14 001. Regin AB intend to gradually start developing Environmental Declaration Type II 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 ball valves consist of the following parts; valve body with connection for the electro-mechanical actuator and connections towards piping. The main movable part inside the valve body is the ball that regulates the flow through the valve. The ball is connected to a rotating stem and the seal between the stem and the body consists of O-rings.

Component modules	Weight gram	Weight %
Metal, Brass, CW617N	311-2482	76-84
Metal, ChromesBrass, CW614N	17-616	4,5-19
Metal, Stainless Steel, I.4305	18-30	1-5
EPDM	2-20	<1
PTFE	2-8	<1
POM	4-5	0,3-1,5
Packaging	20-112	3,5-5,5

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
Valve ball	Cu, Pb, Zn, Cr	Pb, Cr
Actuator mount	Cu, Pb, Zn	Pb
Seat	PTFE (Polytetrafluoreten)	
Flow plate	POM (Polyoximetylen)	
Stem	Fe, Cr, Ni	Cr, Ni
O-rings (EPDM)	Ethylene propylene diene (M-class rubber)	

Notes, the products content

PRODUCTION

The operation does not need licensing.

DISTRIBUTION

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

BUILDING PHASE

Documented instructions for mounting and commissioning are available on the Regin web site.
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 requires no 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 under different conditions.

Documented instructions for appropriate operation and maintenance are supplied for the product.

Emergency

DEMOLITION

The product is prepared for environmentally friendly dismantling.

Dismantling of the product:

1. The product is disassembled with a vice grip, a wrench in a suitable size and a pair of poly 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 to a high 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).