

## 1. COMPANY INFORMATION

### Lindab Sverige AB

Company name:

Lindab Sverige AB

Organisation number:

556247-2273

Address:

Dolkvägen 16

Contact person:

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Website:

www.lindab.com

GLN:

7300009-00795-0

DUNS:

Company was last saved

2022-04-22 09:15:47

### Company's certification



ISO 9001



ISO 14001

Other:

### Policies and guidelines



The company has a code of conduct/policy/guidelines for dealing with social responsibility in the supplier chain, including produces for ensuring the requirements



This is third-party audited

If yes, which if the following guidelines have you affiliated to or management system you have implemented



UN guiding principles for companies and human rights



ILO's eight core conventions



OECD Guidelines for Multinational Enterprises



UN Global Compact



ISO 26000

Other policy guidelines

### Management system

If you have a management system for corporate social responsibility, what out of the following is included in the work?

Mapping

Risk analysis

Action plan

Monitoring

Sustainability reporting guidelines:

GRI (Global Reporting Initiative), GHG (Green House Gas Protocol)

## 2. ARTICLE INFORMATION

### Document data

Id:

A-7300009-00795-0-169

Version:

2

Created:

2019-04-24 14:18:34

Last saved:

2023-02-15 10:28:06

Changes relates to:

Declaration of content.  
GTIN update.

### VAV damper 5 (measuring unit) - VRA

Article name:

VAV damper 5 (measuring unit) - VRA

### Article No/ID concept

Article identity: GTIN

7319666464938

### Product group/Product group classification

Product group system	Product group id
BK04	21001
BSAB96	QJ
BSAB96	QJJ

Article description:

VRA consists of a FRA measuring unit and a DJP type damper put together to form a complete unit. VRA is used for volume flow regulation in rectangular ducts, either for constant volume flow with step control or for variable volume flow. Assessments at Byggarubedömningen etc. are registered under the name "VAV spjäll 5 (måtenhet)". It is also possible to use the article name as search criteria.

Declarations of performance:

Not applicable

Declaration of performance number:

Other information:

### References

#### Reference

Widman J "Stålet och miljön". Stålbyggnadsinstitutet-Jernkontoret, Stockholm (2001)

Carbon Footprint study for Lindab produkts performed by WSP 2010

The International Aluminium Institute (IAI), Sustainability, <http://www.world-aluminium.org>, 2017-02

## Annexes

### Annex

[https://itsolution.lindab.com/lindabwebproductsdoc/pdf/documentation/ADS/lindab/RoHS/Lindab\\_RoHS\\_Ventilation\\_Products.pdf](https://itsolution.lindab.com/lindabwebproductsdoc/pdf/documentation/ADS/lindab/RoHS/Lindab_RoHS_Ventilation_Products.pdf)

## 3. CHEMICAL CONTENT

### Chemical content

Does the declaration apply to a product or chemical product?

product

Enter chemical content for the whole article. The concentration is calculated at component level according to the principle of "once an article always an article".

Is there a safety data sheet for the article?

Not applicable

Is there classification of the article?

Not applicable

If yes, indicate the classification of the product under Regulation (EC) No

Enter which version of the candidate list has been used (Year, month, day)

2021-07-08

The article is covered by the RoHS Directive:

Yes

Enter the weight of the article:

Enter how large a proportion of the material content has been declared [%]:

100

If 100% material content is not declared, please state the reason

If the article contains nanomaterials deliberately added to obtain a particular function, enter these here:

The product does not contain deliberately added nanomaterial

Has the presence of nanomaterials deliberately added to notifiable chemical products been reported to the Product Register

Enter the proportion of volatile organic substances [g/litre], applies only to sealants, paints, varnishes and adhesives:

### Article and/or sub-components

Phase	Delivery	Weight% of product	
Component	Body, frame, cover, console etc.	=70.56	

#### Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
	Galvanized steel	=100	EN 10346:2015	<input type="checkbox"/>	<input type="checkbox"/>

Component	Gasket	Weight% of product	=0.04
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#### Comment

The data provider is solely responsible for data on articles/products that have been registered in the database. The data provider and the Swedish Association of Construction Product Industries cannot be held responsible for correct information incorrectly entered into the database.

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Rubber		=100		<input type="checkbox"/>	<input type="checkbox"/>
Rubber	EPDM	=75	25034-71-3	<input type="checkbox"/>	<input type="checkbox"/>
Rubber	Paraffin oil	=25	8012-95-1	<input type="checkbox"/>	<input type="checkbox"/>

Comment: Health test performed without remarks.

Component	Hose	Weight% of product	=0.2
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**Comment**

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
	Silicone	=100	90337-93-2	<input type="checkbox"/>	<input type="checkbox"/>

Component	Label	Weight% of product	=0.01
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**Comment**

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Paper		=100		<input type="checkbox"/>	<input type="checkbox"/>

Component	Motor Belimo NM...	Weight% of product	=4.19
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**Comment**

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Benzene-1,2,4-tricarboxylic acid		=1.67		<input type="checkbox"/>	<input type="checkbox"/>
Benzene-1,2,4-tricarboxylic acid	Benzene-1,2,4-tricarboxylic acid	=100	528-44-9	<input type="checkbox"/>	<input type="checkbox"/>
Circuit board FR4, FR-4 is a composite material composed of woven fiberglass cloth with an epoxy res		=3.06		<input type="checkbox"/>	<input type="checkbox"/>
Copper		=2.14		<input type="checkbox"/>	<input type="checkbox"/>
Copper	Copper	=100	7440-50-8	<input type="checkbox"/>	<input type="checkbox"/>
Decamethylcyclopentasiloxane (D5)		=0.05		<input type="checkbox"/>	<input type="checkbox"/>
Decamethylcyclopentasiloxane (D5)	Decamethylcyclopentasiloxane (D5)	=100	541-02-6	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electronics, unspecified		=0.64		<input type="checkbox"/>	<input type="checkbox"/>
Fiberglass		=5.18		<input type="checkbox"/>	<input type="checkbox"/>
Fiberglass	Fiberglass	=100	65997-17-3	<input type="checkbox"/>	<input type="checkbox"/>
Galvanized steel		=54.42		<input type="checkbox"/>	<input type="checkbox"/>
Other		=0.15		<input type="checkbox"/>	<input type="checkbox"/>
Polyamide (PA)		=8.26		<input type="checkbox"/>	<input type="checkbox"/>
Polycarbonate		=12.49		<input type="checkbox"/>	<input type="checkbox"/>
Polycarbonate	Polycarbonate	=100	24936-68-3	<input type="checkbox"/>	<input type="checkbox"/>
Polypropylene (PP)		=0.06		<input type="checkbox"/>	<input type="checkbox"/>
Polypropylene (PP)	Polypropylene (PP)	=100	9003-07-0	<input type="checkbox"/>	<input type="checkbox"/>
Polyurethane foam		=1.6		<input type="checkbox"/>	<input type="checkbox"/>

Polyurethane foam	Polyurethane foam	=100	9009-54-5	<input type="checkbox"/>	<input type="checkbox"/>
Polyvinyl chloride, PVC, Ethene, chloro-, homopolymer		=8.4		<input type="checkbox"/>	<input type="checkbox"/>
Polyvinyl chloride, PVC, Ethene, chloro-, homopolymer	Polyvinyl chloride, PVC, Ethene, chloro-, homopolymer	=100	9002-86-2	<input type="checkbox"/>	<input type="checkbox"/>
POM Polyoxymethylene		=1.88		<input type="checkbox"/>	<input type="checkbox"/>
POM Polyoxymethylene	POM Polyoxymethylene	=100	66455-31-0	<input type="checkbox"/>	<input type="checkbox"/>
Tin		=0.01		<input type="checkbox"/>	<input type="checkbox"/>
Tin	Tin	=100	7440-31-5	<input type="checkbox"/>	<input type="checkbox"/>

**Component** Pipe, screws, rivets, motor cover **Weight% of product** =13.32

**Comment**

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Steel, Non-alloy		=100		<input type="checkbox"/>	<input type="checkbox"/>
Steel, Non-alloy	Steel, Non-alloy	=100	1.1141 / CK15	<input type="checkbox"/>	<input type="checkbox"/>

**Component** Plastic part **Weight% of product** =1.12

**Comment**

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Polyamide 6,6, PA66, Nylon 66, Poly [imino (1,6-dioxo-1,6-hexanediy)] imino-1,6-hexanediy], Adipic		=100		<input type="checkbox"/>	<input type="checkbox"/>
Polyamide 6,6, PA66, Nylon 66, Poly [imino (1,6-dioxo-1,6-hexanediy)] 1,6-hexanediy], Adipic	Polyamide 6,6, PA66, Nylon 66, Poly [imino (1,6-dioxo-1,6-hexanediy)] imino-1,6-hexanediy], Adipic	=100	32131-17-2	<input type="checkbox"/>	<input type="checkbox"/>

**Component** Regulator Belimo VRD3 **Weight% of product** =2.66

**Comment**

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
ABS Plastic		=4.21		<input type="checkbox"/>	<input type="checkbox"/>
ABS Plastic	ABS Plastic	=100	9003-56-9	<input type="checkbox"/>	<input type="checkbox"/>
Circuit board FR4, FR-4 is a composite material composed of woven fiberglass cloth with an epoxy res		=11.5		<input type="checkbox"/>	<input type="checkbox"/>
Copper		=6.99		<input type="checkbox"/>	<input type="checkbox"/>
Copper	Copper	=100	7440-50-8	<input type="checkbox"/>	<input type="checkbox"/>
Electronics, unspecified		=1.65		<input type="checkbox"/>	<input type="checkbox"/>
Fiberglass		=0.49		<input type="checkbox"/>	<input type="checkbox"/>
Galvanized steel		=10		<input type="checkbox"/>	<input type="checkbox"/>
Nickel (metallic)		=0.01		<input type="checkbox"/>	<input type="checkbox"/>
Nickel (metallic)	Nickel (metallic)	=100	7440-02-0	<input type="checkbox"/>	<input type="checkbox"/>

Other		=1.95		<input type="checkbox"/>	<input type="checkbox"/>
Polyamide (PA)		=1.39		<input type="checkbox"/>	<input type="checkbox"/>
Polycarbonate, PC, Poly [oxycarbonyloxy-1,4-phenylene (1-methylethylidene) -1,4-phenylene]		=59.51		<input type="checkbox"/>	<input type="checkbox"/>
Polycarbonate, PC, Poly [oxycarbonyloxy-1,4-phenylene (1-methylethylidene) -1,4-phenylene]	Polycarbonate, PC, Poly [oxycarbonyloxy-1,4-phenylene (1-methylethylidene) -1,4-phenylene]	=100	24936-68-3	<input type="checkbox"/>	<input type="checkbox"/>
Polypropylene (PP)		=1.2		<input type="checkbox"/>	<input type="checkbox"/>
Polypropylene (PP)	Polypropylene (PP)	=100	9003-07-0	<input type="checkbox"/>	<input type="checkbox"/>
POM Polyoxymethylene		=1.09		<input type="checkbox"/>	<input type="checkbox"/>
POM Polyoxymethylene	POM Polyoxymethylene	=100	66455-31-0	<input type="checkbox"/>	<input type="checkbox"/>

**Component** Rivets, profile etc. **Weight% of product** =7.65

**Comment**

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Aluminum alloy Pb 0%		=100		<input type="checkbox"/>	<input type="checkbox"/>
Aluminum alloy Pb 0%	Aluminum alloy Pb 0%	=100	EN AW-6061	<input type="checkbox"/>	<input type="checkbox"/>

**Component** Sealing **Weight% of product** =0.18

**Comment**

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Silicone rubber		=100		<input type="checkbox"/>	<input type="checkbox"/>
Silicone rubber	Silicone rubber	=100	63394-02-5	<input type="checkbox"/>	<input type="checkbox"/>

**Component** Sealing/glue **Weight% of product** =0.09

**Comment**

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Sikacryl- vent 188		=100		<input type="checkbox"/>	<input type="checkbox"/>
Sikacryl- vent 188	Oxydipropyl dibenzoate	=100	27138-31-4	<input type="checkbox"/>	<input type="checkbox"/>

Other information:

## 4. RAW MATERIALS

Is there supporting documentation for the raw materials for third-party certified system for control of origin, raw material extraction, manufacturing or recycling processes or similar (for example BES 6001:2008, EMS certificate, USGBC Program)? If yes, enter system(s):

No

### Raw materials

<b>Component</b>	<b>Material</b>	<b>Transport type</b>
	Steel	Ship
<b>Country of raw material extraction</b>	<b>City of raw material extraction</b>	
Sweden	-	
<b>Country of manufacture/production</b>	<b>City of manufacture/production</b>	
<b>Comment</b>		
The steel raw material is produced at different smelting plants, mainly in the EU, according to the detailed specification of the current standard. The sheet dimensions are then adjusted at the production unit in Grevie.		

## Total recycled material in the article

<input checked="" type="checkbox"/>	Is recycled material included in the article?
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<b>Material</b>	
Aluminium	
<b>Share of waste (from own production)</b>	<b>Share of waste (from other people's production)</b>
61	0
<b>Recycled material (treated)</b>	<b>Recycled material</b>
39	0
<b>Weight/percent by weight</b>	
57,9 %	
<b>Comment</b>	
The amount of recycled aluminium varies depending on availability. Hence it can vary between 0 and 100%. All collected aluminium are being reused.	
<b>Material</b>	
Steel	
<b>Share of waste (from own production)</b>	<b>Share of waste (from other people's production)</b>
0	0
<b>Recycled material (treated)</b>	<b>Recycled material</b>
100	0
<b>Weight/percent by weight</b>	
20 %	
<b>Comment</b>	
About 20% recycled material are being used in the production of steel.	



## Renewable material

Enter proportion of renewable material in the article

0

Included biobased raw material is tested according to ASTM test method D6866:

## Origin of raw material

For this product, there has been no withdrawal of virgin fossil material

No

If yes, please indicate what percentage of the material in question (or item?)

## Wood raw materials

Wood raw materials are included

Included wood raw material is certified

How large a proportion is certified [%]?

What certification system has been used (for example FSC, CSA, SFI with CoC, PEFC)?

Reference number:

Enter logging country for the wood raw material and that following criteria have been met. Country of logging:

Does not contain type of wood or origin in CITES appendix of endangered species

Which version of CITES has been used for the check?

The timber has been logged legally and there is certification for this

## 5. ENVIRONMENTAL IMPACT

### Environmental impact during life cycle of the article, production phase module A1-A3 under EN

Has environmental product declaration been drawn up according to EN 15804 or ISO 14025 for the article?

These product-specific rules, known as PCR, have been applied:

Registration number / ID number for EPD:

If there is environmental product declaration or other life cycle assessment, describe how the environmental impact of the article is taken into account from a life cycle perspective:

The information refer to "gate to gate", inflows (raw materials, inputs, energy, etc.) for the registered product into the manufacturing unit, and outflows (emissions and waste) from it and relates to unit of product 1 kg.

Country of final manufacture: Czech Republic

Energy used in the manufacture of the product: electricity 0,58 kWh per produced kilo.

Transport: <99% truck, deliveries to the customer/branch, <1% electric forklift.

Climate impact from internal transports: CO2 0,0025 kg, CH4 <0,0001 kg and N2O <0,0001 kg.

Emissions to air, water or soil from the manufacture of the product, climate impact from operations: carbon dioxide equivalents (CO2-e) ≈ 1,5 kg per kilo product (Not included in Lindab carbon footprint study).

The production itself causes no emissions to air, water or land.

Residual products from the manufacture of the product: <30% steel scrap, 100% is recycled, waste code 17 04 05. <18% aluminium scrap, 100% is recycled, waste code 17 04 02. All waste is taken care of by a carrier with the necessary permits. No waste is exported.

For information about raw materials, distribution, waste etc., see the other sections.

## 6. DISTRIBUTION

### Distribution of finished article

Does the supplier apply any system with multiple-use packaging for the article?

No

Does the supplier take back packaging for the article?

No

Is the supplier affiliated to a system for product responsibility for packaging?

Yes

If yes, which packaging and which system?

Förpacknings & Tidningsinsamlingen

Can packaging/packaging be reused?

Not applicable

Can packaging/packaging be recycled?

Not applicable

Can packaging/packaging be energy recycled?

Not applicable

Does the supplier use Retursystem Byggpall?

Yes

Other information:

If possible products are packed together. The packaging materials include wood, cardboard, and plastic wrap. Wooden pallets are being reused. All packaging consists of recyclable material, the cardboard Lindab uses for packaging consist of 97,5% recycled material. Shipments of manufactured goods are mainly transported by truck to the customer/branch. The average transporting distance is <500 km.

## 7. CONSTRUCTION PHASE

### Construction phase

Does the article make special requirements in storage?

Yes

Specify

To prevent soiling and oxidation, the product should be stored protected from the weather.  
See Lindab's product catalogue for more information.

Does the article make special requirements for surrounding building products?

No

Specify

Other information:

## 8. USE PHASE

### Use phase

Does the article make requirements for input materials for operation and maintenance?

No

Specify:

Does the article require supply of energy during operation?

No

Specify:

Estimated technical service life for the article:

25 years

Comment:

Lifetime depends on the environment where the product is being used. Corrosive environments can affect the life of the product negatively.  
See Lindab's product catalogue for more information.

Is there energy labelling under the Energy Labelling Directive (2010/30/EU) for the article?

Not applicable

If yes, enter labelling (G to A, A+, A++, A+++):

If yes, enter marking (G to A)

Other information:

## 9. DEMOLITION

### Demolition

Is the article prepared for disassembly (dismantling)?

Yes

Can the product be separated into pure material types for recycling?

Not applicable

Specify:

The parts can easily be separated

Does the article require special measures for protection of health and environment in demolition/disassembly?

No

Specify:

Other information:

## 10. WASTE MANAGEMENT

### Delivered article

Is the supplied article covered by the Ordinance (2014:1075) on producer responsibility for electrical and electronic products when it becomes waste?

No

Is reuse possible for the whole or parts of the article when it becomes waste?

Yes

Specify:

The entire product can be reused.

Is material recovery possible for the whole or parts of the article when it becomes waste?

Yes

Specify:

~90% of the material can be recycled.

Is energy recovery possible for the whole or parts of the article when it becomes waste?

Yes

Specify:

Heat recovery occurs at smelter.

Does the supplier have restrictions and recommendation for re-use, material or energy recovery or landfilling?

Yes

Specify:

Should be recycled according to recommended waste code.

#### Waste code for the delivered article when it becomes waste

170203 - 03 Plast.

170402 - 02 Aluminium.

170405 - 05 Järn och stål.

200136 - 36 Annan kasserad elektrisk och elektronisk utrustning än den som anges i 20 01 21, 20 01 23 och 20 01 35.

When the supplied article becomes waste, is it classified as hazardous waste?

No

### Mounted article

Is the mounted article classified as hazardous waste?

No

### Other information

## 11. INDOOR ENVIRONMENT

### Indoor environment

- The article is not intended for indoor use
- The article does not emit any substances
- Emissions from the article not measured

Does the article have a critical moisture state?

No

If yes, state what:

#### Noise

Can the article give rise to own noise?

No

Value:

Unit:

Measuring method:

#### Electrical field

Can the article give rise to electrical fields?

No

Value:

Unit:

Measuring method:

#### Magnetic fields

Can the article give rise to magnetic fields?

No

Value:

Unit:

Measuring method:

### Paints and varnishes

- The article is resistant to fungi and algae in use in wet areas

### Emissions

The article produces the following emissions in intended use:

### Other information

For electric motors, please refer to [www.belimo.se](http://www.belimo.se). The product mainly consists of pure steel that do not give off any emissions during normal use.