Building product declaration

according to BPD associations' standardised format eBVD

Pascal 4 - LCFV

1. COMPANY INFORMATION

Lindab Sverige AB Filial

Company name:	Organisation number:
Lindab Sverige AB Filial	556247-2273
Address:	Contact person:
Dolkvägen 16	Kundtjänst
E-mail:	Telephone:
kundtjanst.ventilation@lindab.com	+46 10 14 64 100
VAT number:	Website:
	www.lindab.com
GLN:	DUNS:
7300009-00795-0	

Company was last saved

2025-02-10 10:43:06

Company's certification

- [x] ISO 9001
- [x] ISO 14001

Other:

Policies and guidelines

- [x] The company has a code of conduct/policy/guidelines for dealing with social responsibility in the supplier chain, including procedures 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

- [x] UN guiding principles for companies and human rights
- [x] ILO's eight core conventions
- [x] OECD Guidelines for Multinational Enterprises
- [x] 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?

- [x] Mapping
- [x] Risk analysis
- [x] Action plan
- [x] Monitoring

Sustainability reporting guidelines:

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

2. ARTICLE INFORMATION

Document data

Id:

A-7300009-00795-0-154

Version:

5

Created:

2025-07-14 07:41:45

Last saved:

2025-07-14 09:02:23

Changes relates to:

Update of section 2-10

Pascal 4 - LCFV

Article name:

Pascal 4 - LCFV

Article No/ID concept

Article identity: GTIN

7319660392770, 7319660392787, 7319660392855, 7319660392862, 7319660966018, 7319660989468, 7319661722897, 7319661722958, 7319661723016, 7319661750272, 7319662421997

Product group/Product group classification

Product group system	Product group id
BK04	21004
BSAB96	QM

Article description:

LCFV is a VAV diffuser unit for supply air with circular unperforated face plate for free hanging installations.
LCFV includes a unique linear cone damper with integrated volume flow regulator used for VAV regulation directly in the unit.
The built-in VAV actuator is delivered pre-programmed with damper characteristic and in combination with a stable flow measurement over the damper, it makes the VAV regulation very accurate and reliable.
In Pascal system LCFV is controlled by a Regula Combi room controller where all room settings can be done after installation. This means that no factory settings or specific room labeling is needed for LCFV.

The assessment at Byggvarubedömningen is registered under the name "Pascal 4". It is also possible to use the article name (LCFV), or BVB ID 82973 as search criteria.

Declarations of performance:

Not applicable

Declaration of performance number:

Other information:

Annexes

Annex

RoHS
https://www.lindab.com/globalassets/commerce/lindabwebproductsdoc/assets/production/yzczy2u2yjitzwqznc00zmrklwe5zjgtmzviytuzzgm0mgiz/5250071016910855575/rohs_vent_1003_2023.pdf?v=1752397486

Installation instructions
https://www.lindab.com/globalassets/commerce/lindabwebproductsdoc/assets/production/odvmmdmxmtgtntjims00zmq1lwjizmmtztywnte2ndgyndyz/5250137554234744751/lcfv_installation_global.pdf?v=1752397839

Data sheet
https://www.lindab.com/globalassets/commerce/lindabwebproductsdoc/assets/production/n2exmzmwm2mtzjfhny00mmjilwexn2etnddhmjc0odkznzyz/5250477987974184008/lcfv_global.pdf?v=1752395690

Belimo (motor) RoHS https://www.belimo.com/mam/corporate-communications/certificates/Belimo_Customer-RoHS-Letter.pdf

Belimo (motor) REACH https://www.belimo.com/mam/corporate-communications/certificates/Belimo_Customer-REACH-Letter.pdf

Safety data sheet color blob:https://www.jotun.com/34c240be-f4b2-4fa5-a1fb-dbf0aed564d8

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)

2025-07-13

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

No

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

Article and/or sub-components

Phase	Delivery		
Component	Body, top plate, damper parts etc.	**Weight% of product**	=79.817

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
	Galvanized steel	=100	EN 10346:2015	
		Comment: Alloy DX51+Z275		

Component	Color	**Weight% of product**	=3.592
Comment	Standard powder coating used is JOTUN GUARD STYLE D (C102)		

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
	Barium Sulphate	=20.17	007727-43-7	
	Epoxy resin	=38.64	025036-25-3	
	Iron oxide	=2.56	001309-37-1	
	Titanium dioxide	=38.64	013463-67-7	

Component Hose **Weight% of product** =0.469

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
	POM	=2.17	9002-81-7	
	Silicone	=97.83	63394-02-5	

Component Insulation **Weight% of product** =4.969

Comment Cellofoam

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
	PET	=100	25038-59-9	

Component Motor **Weight% of product** =7.398

Comment Motor LHV-D3-MP from Belimo

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
Electronics		=13.04		
Plastic part of casing		=50.69		
Steel parts of casing		=36.27		

Component Plastic parts 1 **Weight% of product** =0.796

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
	DOTP	=25	6422-86-2	
		Comment: Plasticizer		
	PVC	=75	9002-86-2	

Component Plastic parts 2 **Weight% of product** =0.929

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
	PA66	=100	32131-17-2	

Component	Rail, distance, rivets	Weight% of product	=0.265

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
	Aluminium	=100	Alu 6061	

Component	Safe sealing strip	Weight% of product	=0.184

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
Rubber		=100		
Rubber	EPDM	=80	Proprietary.	
		Comment: The content of the rubber gasket is confidential information. No classified or hazardous substances have been added. Fulfills all of BASTAs criteria as of July 2025.		
Rubber	Parafin oil	=20	8012-95-1	
		Comment: A health test has been performed, and no remarks were noted.		

Component	Screws, nuts etc.	Weight% of product	=0.949

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
	Steel	=100	CK15 / 1.1141	

Component	Sealant	Weight% of product	=0.306

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
	Sikacryl®□ Vent 188 N	=100	Registered in BASTA	
		Comment: Registered in BASTA by supplier.		

Component	Spring	Weight% of product	=0.061

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
	Stainless steel	=100	AISI 316L / 1.4404	

Component	Steel band	Weight% of product	=0.265

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
	Steel	=100	AZ SS-EN 10215	

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

Total recycled material in the article

☑ Is recycled material included in the article?

Material

Stainless steel

Share of waste (from own production)

0

Share of waste (from other people's production)

0

Recycled material (treated)

100

Recycled material

0

Weight/percent by weight

>75 %

Comment

About 75% recycled material are being used in the production of stainless steel.

Material

Steel

Share of waste (from own production)

0

Share of waste (from other people's production)

0

Recycled material (treated)

100

Recycled material

0

Weight/percent by weight

>20 %

Comment

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 the maximum percentage of virgin fossil material that can be included in the material (or item) in question

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 manufature: Czech Republic.
Energy used in the manufacturing process of the product is electricity from renewable sources.

Transport: <99% truck, deliveries to the customer/branch, <1% electric forklift.
Climate impact from internal tranports: CO2 0,0025 kg, CH4 <0,0001 kg and N20 <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?

Näringslivets producentansvar

Can packaging/packaging be reused?

Yes

Can packaging/packaging be recycled?

Yes

Can packaging/packaging be energy recycled?

Yes

Does the supplier use Retursystem Byggpall?

No

Other information:

If possible products are packed together. The packaging materials include wood, cardboard, and plastic wrap.
All packaging consists of recyclable material.
Shipments of manufactured goods are mainly transported by truck to the customer/branch.

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:

>50 years

Comment:

Lifetime depends on the environment where the product is being used. Corrosive environments can affect the life of the product negatively.
There is a special instruction for the care of this product, see Lindab´s product catalogue for more information.
The product can be adapted to work with new tech.

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 into insulation, plastic, steel, metals and electronics.

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

No

Specify:

Appropriate protective equipment should be used to minimize risk of injury and discomfort.

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:

All materials used in the product can be easily separated, allowing for proper recycling in accordance with applicable waste codes and regulations. Electronic components, such as the motor, should be taken to a local waste management facility. Any hazardous waste must be handled by an authorized contractor for safe disposal. Identified metal fractions should be directed to metal recycling, while combustible materials are to be sent to an approved incineration facility.

Waste code for the delivered article when it becomes waste
170402 - 02 Aluminium.

170405 - 05 Järn och stål.

191204 - 04 Plast och gummi.

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