

PRODUCT ENVIRONMENTAL DECLARATION
VVS type Sweden

GENERAL PRODUCT INFORMATION

Product name	Magna/UPE series 2000	Designation (Item/version/model)	Magna 25-60, Magna 32-120 FN, Magna 65-120 F, Magna 65-120
Product		RSK-number	xx

Internal designation

THIS PRODUCT DECLARATION HAS BEEN COMPLETED BY:

Designation (item/version/model)			
Issued by (company, organisation):	Kim Klastrup	Issued by (Environmental manager)	Niels Møller Jensen
Company registration number:	No. 39009	Place and date	2006-10-20

COMPANY INFORMATION (MANUFACTURER/SELLER)

Manufacturer		Supplier/seller (if not the same as former)	
Company name	Grundfos A/S	Company name	Grundfos AB
Address	Poul Due Jensens Vej 7 DK-8850 Bjerringbro	Address	Box 63 S-424 22 Angered
Telephone	+ 45 8750 1400	Telephone	+46 (0)31-332 23 00
Fax	+ 45 8750 0124	Fax	+46 (0)31-331 94 54
E-mail	Grundfos@grundfos.com	E-mail	mandersson@grundfos.com
Contact person	Helle Nystrup	Contact person	Marielle Andersson

COMPANY INFORMATION (ABOUT THE MANUFACTURER)

Quality assurance system adopted	Yes
Quality assurance system based on	ISO 9000 certification
Environmental policy adopted	Yes
The company participates in the ICC Business Charter for Sustainable Development	Yes
Environmental management system adopted	Yes
Environmental management system based on	ISO 14001 certification
The company applies life-cycle inventories/analyses (LCI/LCA)	Yes*
Other information on the company's environmental work:	
*All new products are assessed by the EDIP-method (ISBN 0412 80800 5)	

COMPANY INFORMATION (ABOUT THE SUPPLIER/SELLER)

Quality assurance system adopted	No
Quality assurance system based on	
Environmental policy adopted	No
The company participates in the ICC Business Charter for Sustainable Development	No
Environmental management system adopted	No
Environmental management system based on	
The company applies life-cycle inventories/analyses (LCI/LCA)	No
Other information on the company's environmental work:	

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PRODUCT INFORMATION, AREA OF APPLICATION, LABELING ETC.

Recommended area of application shown in technical documentation	Yes
Recommended area of application if not shown in technical documentation	
The product has a clear and durable labeling (manufacturer, product name, number etc.)	Yes
The labeling is referred to in technical documentation so the product can clearly be identified	No

CHEMICALS

Substance	CAS-number	% by weight	Comment
Not relevant			
The product contains listed substances (acc. to Swedish Inspectorate's Observation List and/or Restricted substances list.)			No
List all such substances known to exist in the product > 0,2% by weight: (amounts below this limit should also be listed if relevant to the outside environment):			

	Magna 25-60 Cast Iron	Magna 32-120 FN NIRO	Magna 65-120 F Cast Iron	Magna 65-120 F NIRO
	Weight [gram]	Weight [gram]	Weight [gram]	Weight [gram]
Composite	539	702	715	715
Aluminium	290	1686	1670	1670
Sheet steel	522	2164	4765	4765
Copper	215	1213	1617	1617
Brass	0	67	67	67
Ceramic	41	30	30	30
Stainless steel	182	8184	1155	13655
Cast iron	2350	0	15100	0
Iron	4	11	11	11
electronic	192	449	717	717
Various				
-rubber	7	12	12	12
-carbon	1	19	39	19
Electronic box	671	1365	1620	1620
TOTAL	5300	15800	27500	24900

USE OF RESSOURCES

Manufacturer requires environmental declaration or corresponding from supplier	Yes
Manufacturer requires product information sheets according to ISO 110141 from supplier concerned	Yes
Use of recovered material in product	Yes

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PRODUCTION

Environmental accounts	Yes, see www.Grundfos.com
Facilities where product manufactured accredited in accordance with EMAS	Yes
Environmental management system adopted for operations at facilities where product is manufactured	Yes
Environmental management system based on	ISO 14001 certification
Other information in environmental measures at facility	
Information on use of energy, emissions to air, water and soil available	Yes, see www.Grundfos.com

DISTRIBUTION OF FINISHED PRODUCT

Environmental logistics used in distribution	Yes
Method used for environmental logistics	
Packaging method used	Cardboard
The company has re-usable packaging system	No
The company recovers packaging from users	not relevant
The company participates in the Swedish register of producer responsibility REPA	Yes

CONSTRUCTION PHASE

Assembly and installation instructions available for product	Yes
Instructions include requirements and recommendations concerning:	
- safeguards in conjunction with assembly	Yes
- handling of product at workplace and conjunction	Yes
- instructions for minimizing waste	No
- information about conditions under which producer will take care of waste	No

USER PHASE

The product requires additional energy (electricity, fuel etc.) for intended use)	Yes
The product requires chemical products in conjunction with intended operation (refrigerants, lubricant etc.)	No
The product involves environmental harmful emissions to air/water (outer environment) when used as intended	No
The product requires goods for normal maintenance (gaskets, filters etc.)	No
The product requires chemical products for normal maintenance (cleaning agents etc.)	No
Normal maintenance of the product involves environmentally harmful emissions to air/water (outer environment)	No
Is it possible to estimate the service life of the product in advance	Yes
Documented industry standard concerning expected service life in different conditions available	Yes + No
Documented operation and maintenance instructions available for product	Yes
Instruction include information on:	
- how to maximize service life in conjunction with normal ware and intended use	Yes + No
- energy use, power requirements and water consumption during normal use	See technical data

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DEMOLITION

Provision has been made for environmental demolition (dismantling) not relevant

REDIDUALS

The product can be recycled	Yes
State how the goods and the packaging can be recycled	Through scrap dealer
Recovery of materials is possible	Yes
State how the materials in the goods can be recovered	Through scrap dealer
Energy recycling is possible	No
Energy recycling is recommended	No
Specify any risks concerning toxic emissions in conjunction with incineration	Not relevant
Describe management of residual products after combustion	Not relevant

WASTE PRODUCTS

Are there any parts of the product that cannot be recycled	Yes
If yes, give general recommendations for handling such waste	Disposal as electronic waste
The product or parts of the product may be classed as hazardous waste	Yes
Risks for environmental harmful leaching or emission in conjunction with disposal or landfill	Yes
Restrictions and recommendations in conjunction with disposal on landfill:	

INDOOR ENVIRONMENT

A declaration regarding the indoor environment is attached not relevant