

Environmental Declaration

Företag/Company IMI Hydronic Engineering AB SE-524 80 LJUNG		Tel +46 (0)513 540 00 Fax +46 (0)513 508 44 E-mail info@tahydrronics.com		Datum/Date 2022-10-17	Utgåva/Edition 3	ID/ID No ED-21-02-en	Sida/Page 1 (4)
Utfärdare/Issuer Maria Ivansson		Godkänd/Approved Christofer Sundqvist		Titel/Title Environmental Declaration for product: TA-Smart DN20-50 and TA-SMART Dp DN20-50			

Manufacturer

Namne	IMI Hydronic Engineering AB
Adress	SE-524 80 Ljung, Sweden
Phone	+46 (0)513-54000
Managementsystem	IMI Ljung has a certified quality-, environment-, and safety management system. The management system is also certified due to the Pressure Equipment Directive . The certificates are published at homepage, www.imi-hydronic.com

General product information

Designation:	TA-Smart DN20-50 and TA-SMART Dp DN20-50
Type of product:	Electronic pressure-independent control valve
Product approvals acc to:	
Technical service life:	>20 years
The product is acc to REACH defined as:	Product
ROHS-directive (covers electric- and electronical equipment):	Brass alloys which contains <4% Lead(Pb) are excluded in ROHS.

Other material information

	Yes	No	Ev comment
Product is Chrome plated		X	
Product is Nicel plated		X	
Product is galvanized		X	
Is product containing recycled material	X		Ametal is made of approx 80% recycled raw materials. Splits and scrap from the own production are recycled in the in-house foundry.

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Material composition

Product componentes	Specification of components composition	CAS-no	DN	Weigth %	Comments
Brass 0,8 Pb	Cu 65%, Zn 33%, Pb 0,8%, Si 0,8% enl. EN 1982 CAS: Cu 7440-50-8, Zn 7440-66-6, Pb 7439-92-1, Si -,		20	25%	
			25	31%	
			32	32%	
			40	40%	
			50	43%	
Brass Ametal	Cu 65%, Zn 32%, Pb 2%, Si 0,7% enl. EN 1982 CAS: Cu 7440-50-8, Zn 7440-66-6, Pb 7439-92-1, Si -,		20	32%	
			25	32%	
			32	37%	
			40	35%	
			50	38%	
Electronics			20	16%	
			25	14%	
			32	12%	
			40	9%	
			50	7%	
Stainless steel	SS 1.4305 (X8CrNiS18-9)		20	3%	
			25	2%	
			32	2%	
			40	2%	
			50	1%	
Plastics	PA6+ 30%GF, Amid 6 eller 66 +30%GF, HDPE PA=PolyAmid GF=Glass Fibre HDPE=HighDensityPolyEten		20	15%	Ingredient substances are not declared.
			25	13%	
			32	11%	
			40	8%	
			50	7%	
Rubber	EPDM EPDM=EtenPropenDienMonomer		20-50	<1%	Ingredient substances are not declared.
Packaging	Corrugated carboard, Cell polyethylene		20	10%	
			25	8%	
			32	7%	
			40	5%	
			50	4%	

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REACH and SVHC

Information about SVHC (Candidate list) acc. to REACH	
The product contains	
Packaging	The packaging is not containing any substances on the Candidate list
<input checked="" type="checkbox"/> Brass <input type="checkbox"/> Redmetal	The Copper alloy are containing > 0,1% Lead (Pb), CAS No 7439-92-1, which was put in the Candidate list 2018-06-27.

Packaging

IMI Hydronic Engineering AB is listed in REPA-register: Reg no 55603362-5601.			
Materials	Yes	No	
Cardboard / Paper	X		Produced of recycled material at packaging supplier.
Plastic (Polyethylene)	X		

Manufacturing stage

Energy consumption	The company has worked with energy savings since 1989. The company has an in-house foundry, there for example heat excess is used for heating of the offices.
Sustainability	The owner of the company, IMI plc, has made an overall commitment to fulfil FN Global Compact. Sustainability work is covered in for example "IMI Code of Conduct", and is reported in the Annual report. See also: https://www.imiplc.com/ The overall commitment from IMI plc, has been introduced through routines at IMI Ljung.

Transports

Transport contractors	Transport contractors with pronounced sustainability work are chosen in first hand.
To and from the company	Lorry or parcel post. The company is working with transports optimization.

Usage stage

Storage	No special demands. Normal practice.
Instructions for use	Can be found on homepage: www.imi-hydronic.com
Emissions	No emissions, if used according to normal practice and instructions for use.
Energy	The products are not energy labeled. To lower the energy usage as much as possible, balancing of the products is recommended,

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Waste/ Worn out product

IMI Hydronic Engineering is listed in the REPA-register: Reg no 55603362-5601.

Materials	Yes	No	
Worn out product can be recycled			Leave worn out products for recycling.
Card board / Paper	X		Recycle packing/paper.
Plastic (Polyethylene)	X		Recycle plastic.

Waste codes

Waste	EWC code
Brass	17 04 01
Steel	17 04 05
Card Board	15 01 01
Paper (Packing)	15 01 01
Plastic	15 01 02

CO₂-load

CO₂ -load for foundry castings	Climate indicator from Swedish Foundry Association (SFA) shows that Swedish foundries has the lowest emission of CO ₂ per tonne casting. The climate indicator from SFA shows for Brass, 71 kg CO₂ per tonne casting. See also homepage http://www.gjuteriforeningen.se/dold-mapp-1/folder/
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