

## 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 2020-05-28	Utgåva/Edition 5	ID/ID No ED-2800-en	Sida/Page 1 (3)
Utfärdare/Issuer Maria Ivansson		Godkänd/Approved Christofer Sundqvist	Titel/Title Environmental Declaration for product: STS, STA, STAD, STAD*, STAD-D, STADA, STAD-R, STAV, STAS STAD* NPT			

### Manufacturer

<b>Nome</b>	IMI Hydronic Engineering AB
<b>Address</b>	SE-524 80 Ljung, Sweden
<b>Phone</b>	+46 (0)513-54000
<b>Management system</b>	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, <a href="http://www.imi-hydronic.com">www.imi-hydronic.com</a>

### General product information

<b>Designation:</b>	STS, STA, STAD, STAD*, STAD-D, STADA, STAD-R, STAV, STAS, STAD* NPT
<b>Type of product:</b>	VALVE
<b>Product approvals acc to:</b>	RISE No. 3578/83 for STAD and STAD-R
<b>Technical service life:</b>	>20 years
<b>The product is acc to REACH defined as:</b>	Product
<b>ROHS-directive</b> (covers electric- and electronical equipment):	Brass alloys which contains <4% Lead(Pb) are excluded in ROHS.

### Material composition

Product componentes	Specification of components composition	CAS-no	Weigth %	Comments
<b>Brass Ametal</b>	Cu 65%, Zn 32%, Pb 2%, Si 0,7% acc. to EN 1982 CAS: Cu 7440-50-8, Zn 7440-66-6, Pb 7439-92-1, Si -		93	
<b>Brass</b>				
<b>Castiron</b>				
<b>Stainless steel</b>	Locking ring STAV EN 10270-3 1.4310-NS		<1	
<b>Steel</b>				
<b>Aluminium</b>				
<b>Redmetal</b>				
<b>Plastics</b>	PA6, PA6-6, GF, GK, PTFE PA=PolyAmide GF= Glass Fibre GK= Glass Balls PTFE=PolyTetraFluoroEthylene		6	Ingredient substances are not declared.
<b>Rubber</b>	EPDM EPDM=EtenPropenDienMonomer		<1	Ingredient substances are not declared.
<b>Insulation</b>				
<b>Paint/ Laquer</b>				
<b>Other surface tr.</b>	Washer in graphitized Klingersil		<1	
<b>Other surface tr.</b>	TEA 65-67% Tin and 35-33% Nickel		<0,1	Only STAD-D

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Other material information	Yes	No	Ev comment
Product is Chrome plated		x	
Product is Nickel plated	x	x	Only STAD-D are nickel plated with TEA
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.

### REACH and SVHC

Information about SVHC (Candidate list) acc. to REACH					
<b>The product contains</b>					
<b>Packaging</b>	The packaging is not containing any substances on the Candidate list				
<table border="1" style="display: inline-table; vertical-align: top;"> <tr> <td style="width: 20px; text-align: center;">x</td> <td>Brass</td> </tr> <tr> <td style="width: 20px;"></td> <td>Redmetal</td> </tr> </table>	x	Brass		Redmetal	The Cupper alloy are containing > 0,1% Lead (Pb), CAS No 7439-92-1, which was put in the Candidate list 2018-06-27.
x	Brass				
	Redmetal				

### 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

<b>Energy consumption</b>	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.
<b>Sustainability</b>	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: <a href="https://www.imiplc.com/">https://www.imiplc.com/</a> The overall commitment from IMI plc, has been introduced through routines at IMI Ljung.

### Transports

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

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### Usage stage

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

### Waste/ Worn out product

IMI Hydronic Engineering is listed in the REPA-register: Reg no 55603362-5601.			
<b>Materials</b>	<b>Yes</b>	<b>No</b>	
<b>Worn out product can be recycled</b>	x		Leave worn out products for recycling.
<b>Card board / Paper</b>	x		Recycle packing/paper.
<b>Plastic (Polyethylene)</b>	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

### CO<sub>2</sub>-load

<b>CO<sub>2</sub>-load for foundry castings</b>	Climate indicator from Swedish Foundry Association (SFA) shows that Swedish foundries has the lowest emission of CO <sub>2</sub> per tonne casting. <b>The climate indicator from SFA shows for Brass, 71 kg CO<sub>2</sub> per tonne casting.</b> See also homepage <a href="https://www.gjuteriforeningen.se/klimatindikatorn/">https://www.gjuteriforeningen.se/klimatindikatorn/</a>
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