

EU-Declaration of conformity



This declaration of conformity is issued under the sole responsibility of us, the manufacturer.

We **IMI Hydronic Engineering AB**
SE 524 80 Ljung

hereby declare that the equipment:

TA-Smart Control valve, PN25 (DN32-50)

Is in accordance with the following Directive(s):

2014/68/EU	Pressure Equipment Directive (PED)
2014/53/EU	Radio Equipment Directive (RED)
2014/30/EU	Electromagnetic Compatibility Directive (EMC)
2014/35/EU	Low Voltage Directive (LVD)

Official Declarations of Conformity offered by us for the TA-Smart Valve and SmartBox and by our suppliers for the BlueTooth module and for the TA-Slider actuator are available on the next pages.

Please note that a DoC regarding PED is only required for the largest size DN50 (i.e. Category I product)

*In addition, we declare that our Integrated Management System is certified by **RISE Research Institutes of Sweden** in accordance with:*

Ref. no.	Title	Edition/date
EN ISO 9001	Quality management system (cert.: 2125)	2015
EN ISO 14001	Environmental management system (cert.: 2125 M)	2015
EN ISO 45001	Occupational Health and Safety Management (cert.: C001457)	2020

Name: **Fredrik Johansson**
Position: **Quality and Environmental Manager**
City: **Ljung**
On: **2021-09-08**



Engineering
GREAT
Solutions

- IMI PNEUMATEX**
- IMI TA**
- IMI HEIMEIER**

EU-Declaration of conformity



1. Pressure Equipment: **TA-Smart Valve – PN 25 (DN 50)**
2. Manufacturer: **IMI Hydronic Engineering AB**
SE 524 80 Ljung
3. This declaration of conformity is issued under the sole responsibility of the manufacturer.
4. These TA-Smart valves' intended use is control of flows in heating and cooling systems.

Pressure class: PN 25
Dimensions: DN 50

See marking label and/or body casting on the product to identify type.

The conformity assessment procedures applied are according to Module A.

5. The products are in conformity with DIRECTIVE 2014/68/EU also called "The PED Directive"


6. Harmonised standards and other technical specifications used:

Ref. no.	Title	Edition/date
PMA Ametal	PMA Ametal	Version 1
EN 12266-1	Industrial valves – Testing of metallic valves – Part 1	2012
EN 12516-3	Valves – Shell design strength – Part 3: Experimental method	AC:2003

7. -

8. Our Integrated Management System is certified by **RISE Research Institutes of Sweden AB** in accordance with:

Ref. no.	Title	Edition/date
EN ISO 9001	Quality management system (cert.: 2125)	2015
EN ISO 14001	Environmental management system (cert.: 2125 M)	2015
EN ISO 45001	Occupational Health and Safety Management (cert.: c001457)	2020


Name: Fredrik Johansson
Position: Quality and Environmental Manager
City: Ljung
On: 2021-09-02



EU Declaration of Conformity



We, **Fanstel Corp.**,
of **7466 E. Monte Cristo Ave. Ste 5, Scottsdale AZ 85260 USA**

Declare under our sole responsibility that the following product:

Name: Bluetooth module
Model Numbers: BC805M, BC832, BC833E, BC833M, BM832, BM832A, BM832E, BM833,
BM833E, BM833F, BT832, BT832F, BT840, BT840E, BT840F, BT840X, BT840XE.

Conforms with the relevant EU harmonization legislation:

RE Directive (2014/53/EU): ETSI EN300 328 V2.2.2.
RE Directive (2014/53/EU): EN 301 489-1/17
RE Directive (2014/53/EU): EN 50566:2017
RE Directive (2014/53/EU): EN 50563:2017
Council Directive (2014/35/EU, 93/68/EEC): EN60950-1:2006/A11:2010/A12:2011/A2:2013
RoHS: Directive 2011/65/EU, **Directive** 2015/863.



Yuan-Neng Fan, Ph.D.
President
Fanstel Corp.
Scottsdale AZ USA
April 19th, 2021

EU-Declaration of conformity



1. Radio Equipment / Product type: **TA-Smartbox**

2. Manufacturer: **IMI Hydronic Engineering AB**
SE 524 80 Ljung

3. This declaration of conformity is issued under the sole responsibility of the manufacturer.

4. The TA-Smartbox is the control unit built onto valves from IMI HE AB which together with an actuator controls the variable setting of the valves. The intended use is control functionality in waterborne cooling and heating systems.

See marking label on the product to identify type.

5. The products are in conformity with 2014/30/EU Electromagnetic Compatibility Directive (EMC) and 2014/35/EU Low Voltage Directive (LVD) and the fulfilment of the essential requirements have been demonstrated.

6. Harmonised standards and other technical specifications used:

Ref. no.	Title	Edition/date
ETSI EN 301 489-1	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard for ElectroMagnetic Compatibility	V2.2.3 (2019-11)
ETSI EN 301 489-17	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard for ElectroMagnetic Compatibility	V3.2.2 (2019-12)
EN 61000-6-4	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments	2007 2007/A1:2011 2019
EN61000-6-2	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments	2005 2005/AC:2005 2019
EN6100-4-2	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measuring techniques - Electrostatic discharge immunity test	
EN6100-4-3	Electromagnetic compatibility (EMC) - Part 4: Testing and measurement - Section 3: Radiated, radio-frequency, electromagnetic field immunity test	
EN6100-4-4	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test	
EN6100-4-5	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test	

*Engineering
GREAT
Solutions*

IMI PNEUMATEX

IMI TA

IMI HEIMEIER

EN61000-4-6	Electromagnetic compatibility (EMC) Testing and measurement techniques. Immunity to conducted disturbances, induced by radio-frequency fields	
EN61000-4-11	Electromagnetic compatibility (EMC) Testing and measurement techniques. Voltage dips, short interruptions and voltage variations immunity tests	
EN6100-4-34	Electromagnetic compatibility (EMC) - Part 4-34: Testing and measuring techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current more than 16 A per phase	
EN 61010-1	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements (IEC 61010-1:2010/A1:2016/COR1:2019 (EQV))	2010/A1:2019/AC:2019-04

7. -

8. Our Integrated Management System is certified by **RISE Research Institutes of Sweden AB** in accordance with:

Ref. no.	Title	Edition/date
EN ISO 9001	Quality management system (cert.: 2125)	2015
EN ISO 14001	Environmental management system (cert.: 2125 M)	2015
EN ISO 45001	Occupational Health and Safety Management (cert.: c001457)	2020


Name: Fredrik Johansson
Position: Quality and Environmental Manager
City: Ljung
On: 2021-09-02



Declaration of conformity

(in accordance with ISO/IEC 17050-1)



We **IMI Hydronic Engineering**
Olewin 50A, 32-300 Olkusz, Poland

in accordance with the following Directive(s):

2014/30/EU **The Electromagnetic Compatibility Directive (EMC)**
2011/65/EU **RoHS 2 Directive**

hereby declare that the equipment:

TA – Slider 500/24V **Digitally configurable proportional push-pull actuator – 500 N**

is in conformity with the applicable requirements of the following document(s):

Ref. no.	Title	Edition/date
EN 60730-1	Automatic electrical controls for household and similar use - Part 1: General requirements	2016
EN 60730-2-14	Automatic electrical controls for household and similar use - Part 2-14: Particular requirements for electric actuators	2004 +A2:2009
EN 50581	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances	2012
TA-SLIDER 500	Technical specification TA-SLIDER 500	2017

Our Integrated Management System is certified by **TÜV SÜD Management Service GmbH** in accordance with:

Ref. no.	Title	Edition/date
ISO 9001	Quality management system (cert.: 1210042496TMS)	2015
ISO 14001	Environmental management system (cert.: 1210442496TMS)	2015
ISO 50001	Energy management system (cert.: 1234042496TMS)	2011
OHSAS 18001	Occupational Health and Safety Management (cert.: 1211642496TMS)	2007

Name: **Piotr Król**
Position: **Quality Manager**
City: **Olkusz**
On: **2018-07-11**

IMI International Sp. z o.o.
32-300 Olkusz, Olewin 50 A
Tel. /32/ 75 88 200, fax /32/ 75 88 201
NIP 125-00-20-435, REGON 010370574



Engineering
GREAT
Solutions

