EU-Declaration of conformity

IMI Hydronic Engineering

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, PN16-25 DN65-80**

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.

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

IMI HYDRONIC ENGINEERING AB
IMI Hydronic Engineering

Engineering GREAT Solutions

IMI PNEUMATEX
IMI TA
IMI HEIMEIER

EU-Declaration of conformity

IMI Hydronic Engineering

1. Pressure Equipment: **TA-Smart valve – PN 16-25 (DN 65-80)**

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 16 and 25
Dimensions: DN 65, 80

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
EN 1563	Founding - Spheroidal graphite cast irons	2018
EN 12266-1	Industrial valves – Testing of metallic valves – Part 1	2012
EN 12516-1	Industrial valves - Shell design strength - Part 1: Tabulation method for steel valve shells	A1:2018
EN 12516-2	Industrial valves - Shell design strength - Part 2: Calculation method for steel valve shells	2014
EN 12516-3	Valves – Shell design strength – Part 3: Experimental method	AC:2003
EN 12516-4	Valves – Shell design strength – Part 4: Calculation method for valve shells manufactured in metallic materials other than steel	A1:2018

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: 2021-09-06

IMI HYDRONIC ENGINEERING AB
IMI Hydronic Engineering

Engineering GREAT Solutions

IMI PNEUMATEX
IMI TA
IMI HEIMEIER

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

IMI Hydronic Engineering

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	

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

IMI HYDRONIC ENGINEERING AB
IMI Hydronic Engineering

Engineering GREAT Solutions

IMI PNEUMATEX
IMI TA
IMI HEIMEIER

Declaration of conformity
(in accordance with ISO/IEC 17050-1)

IMI Hydronic Engineering

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**
2014/35/EU	**The Low Voltage Directive (LVD)** (applicable for version HV 115/230V)

hereby declare that the equipment:

TA – Slider 750	**Digitally configurable proportional push-pull actuator. Type standard and plus.**

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	2013
TA-SLIDER 750	Technical specification – TA-Slider 750	2018

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. no.: 1234042496TMS)	2011
OHSAS 18001	Occupational Health and Safety Management (cert.: 1211642496TMS)	2007

Piotr Król

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
IMI Hydronic Engineering

Engineering GREAT Solutions
IMI PNEUMATEX
IMI TA
IMI HEIMEIER

DoC no.:16/DC263 version 4

EU Declaration of Conformity

CE

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

under the sole responsibility of the manufacturer, hereby declare that:

Product:	Intended use:
TA-SMART PN16 / PN25, DN 100-125	2-way control valve with uniquely shaped EQM characteristics with flow, temperature and power measurement capabilities

is/are compliant with the relevant Union harmonisation legislation:

Ref. no.:	Title:
Directive 2014/68/EU	Pressure Equipment Directive (PED)
Directive 2014/30/EU	Electromagnetic Compatibility Directive (EMC)
Directive 2014/53/EU	Radio Equipment Directive (RED)

and to the relevant harmonized and other standards used or to the technical specifications:

Ref. no.:	Title:
PMA Ametal ver.1	PMA Ametal
EN 12266-1:2012	Industrial valves - Testing of metallic valves - Part 1: Pressure tests, test procedures and acceptance criteria - Mandatory requirements
EN 12516-1:2014+A1:2018	Industrial valves -- Shell design strength -- Part 1: Tabulation method for steel valve shells
EN 61010-1:2010 as amended	Safety requirements for electrical equipment for measurement, control, and laboratory use -- Part 1: General requirements
ETSI EN 301 489-1 V1.9.2:2012	Electromagnetic compatibility and Radio spectrum Matters (ERM) - ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 1: Common technical requirements
ETSI EN 301 489-17 V3.2.4:2020	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services − Part 17: Specific conditions for Broadband Data Transmission Systems − Harmonised Standard for ElectroMagnetic Compatibility

ETSI EN 300 328 V2.2.2:2019	Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz band; Harmonised Standard for access to radio spectrum
EN 61000-6-4:2007 as amended	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments
EN 60730-1:2011	Automatic electrical controls for household and similar use - Part 1: General requirement
EN 60730-2-14:1997 as amended	Automatic electrical controls for household and similar use - Part 2: Particular requirements for electric actuator

Ljung 18.08.2022 r.

Fredrik Johansson
Quality Manager