

OCEAN TOWER dispenser

January 3rd, 2020

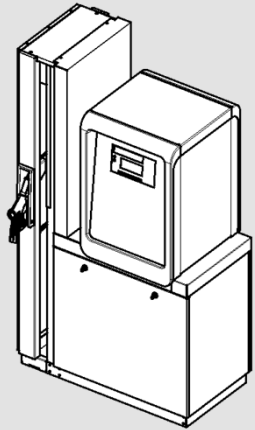
Main Features

-  **Modern design**
-  **New technologies**
-  **Easy installation and maintenance**
-  **Modularity**
-  **EU conformity**

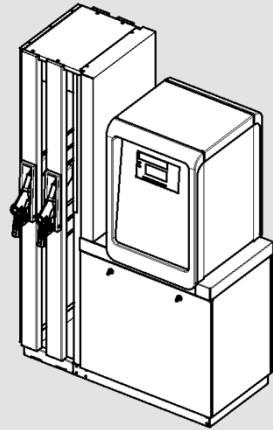
Design



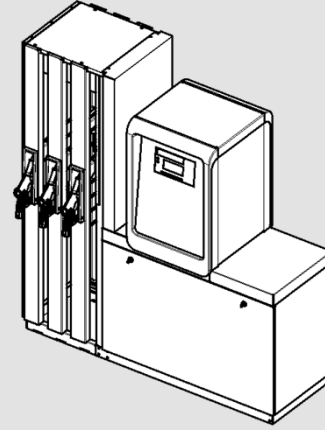
Design - Basic models



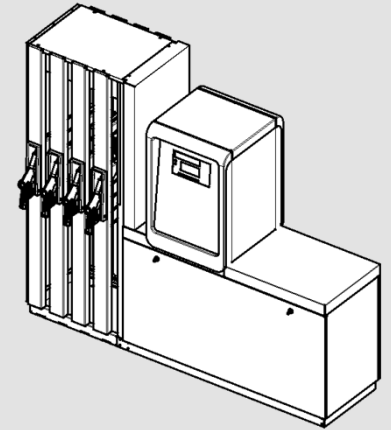
BMP4012.OWD
(1 pump / 2 nozzles)



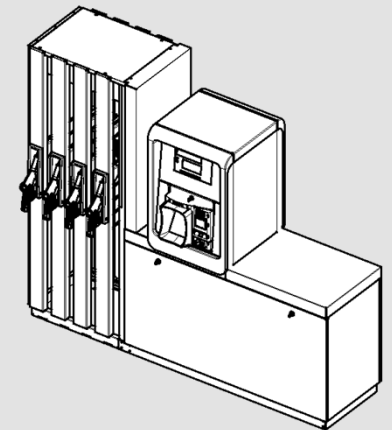
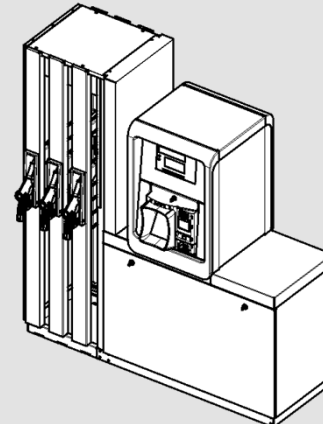
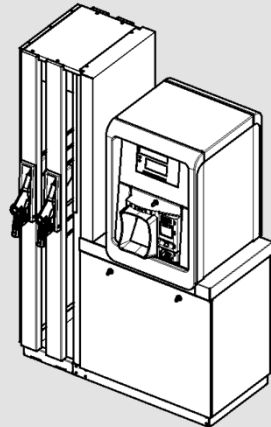
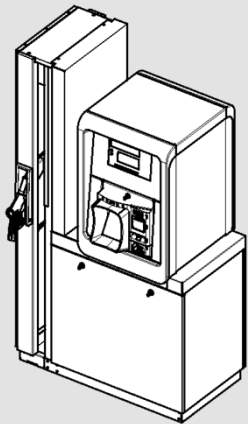
BMP4024.OWD
(2 pumps / 4 nozzles)



BMP4036.OWD
(3 pumps / 6 nozzles)

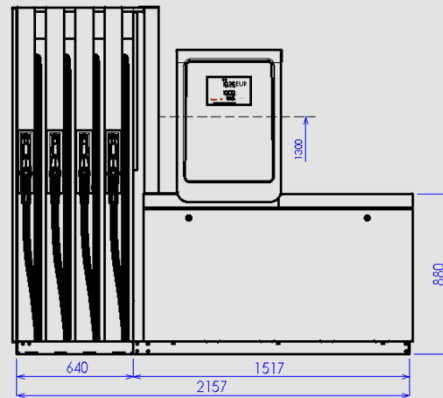
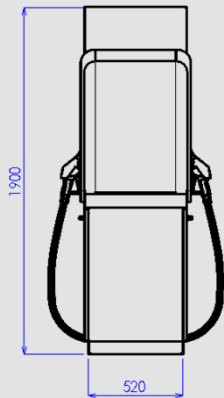


BMP4048.OWD
(4 pumps / 8 nozzles)

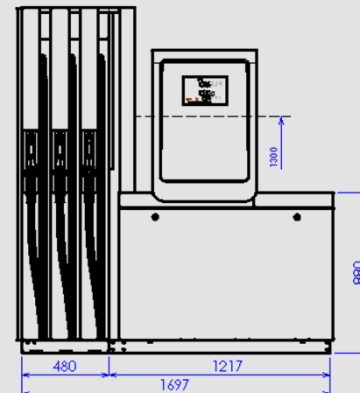


Design – Dimensions (Tower x Euro comparison)

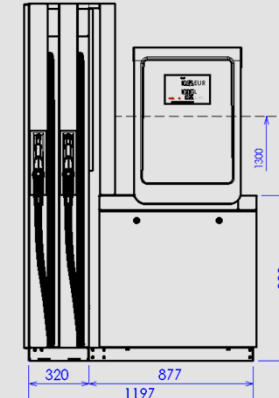
**OCEAN
TOWER**



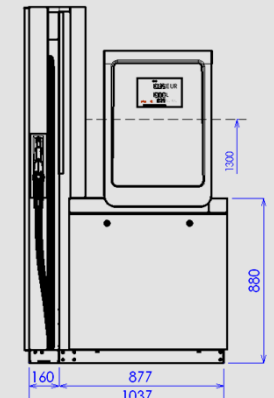
BMP4048.OWD



BMP4036.OWD

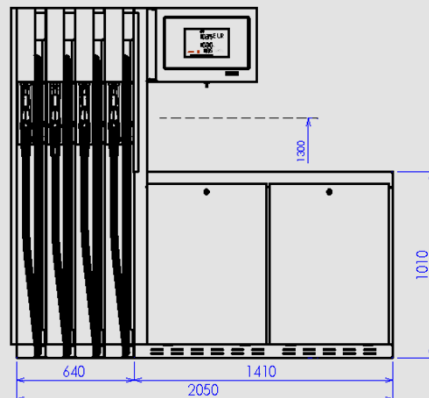
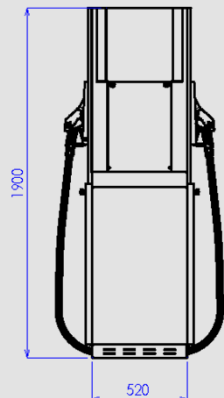


BMP4024.OWD

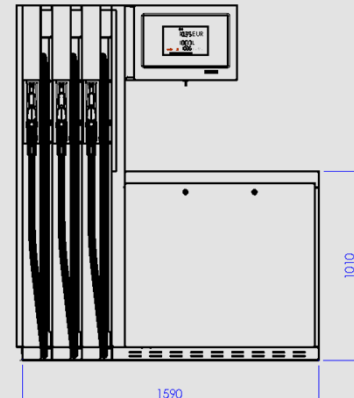


BMP4012.OWD

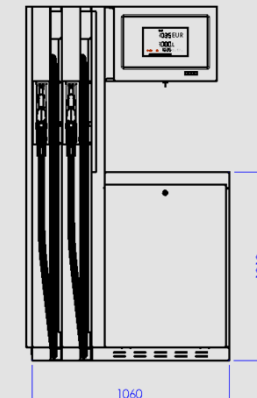
**OCEAN
EURO**



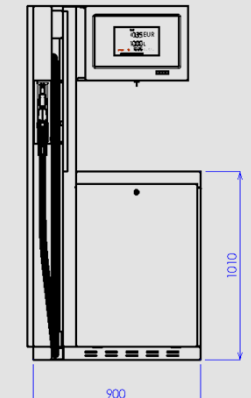
BMP4048.OED



BMP4036.OED



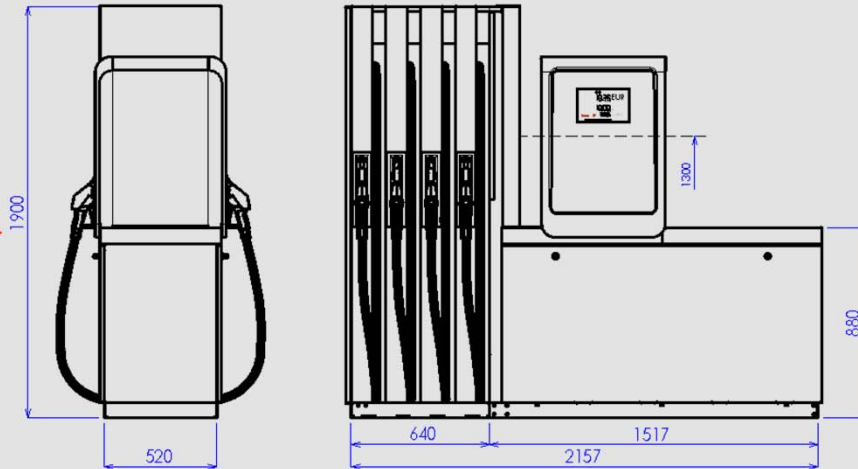
BMP4024.OED



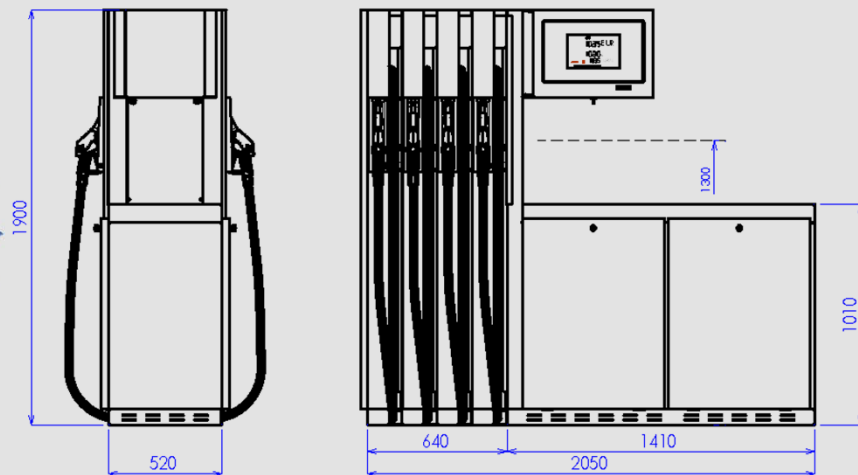
BMP4012.OED

Design – Dimensions (Tower x Euro comparison)

**OCEAN
TOWER**



**OCEAN
EURO**



OCEAN TOWER ADVANTAGES

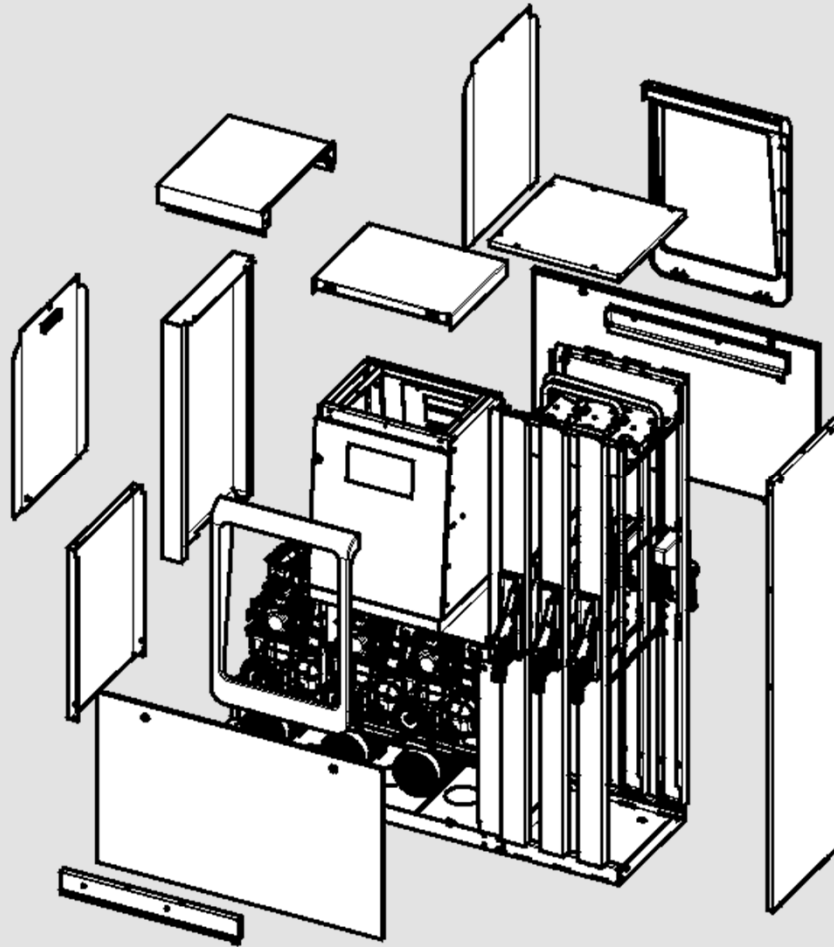
- ▣ More compact construction
- ▣ More stable (lower centre of gravity)
- ▣ Lower nozzle boot position
- ▣ Spatially larger calculator cabinet
- ▣ Meets ergonomic requirements of disabled persons on wheelchair (level 1300mm)

Design - Covers

NO
SCRATCHES



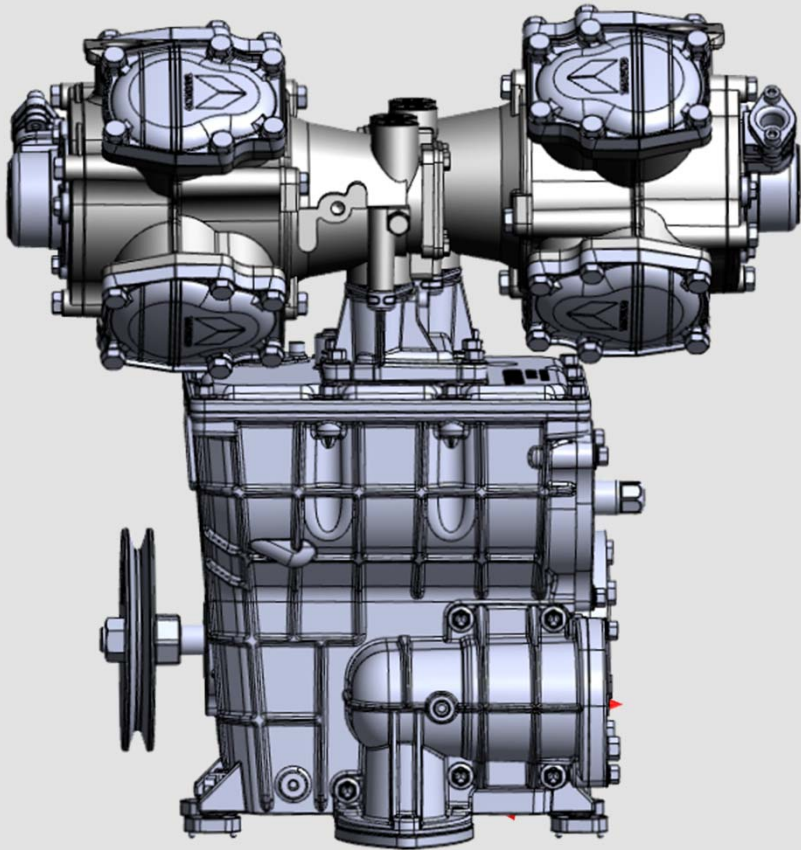
EASY
MAINTENANCE



TOWER ADVANTAGES

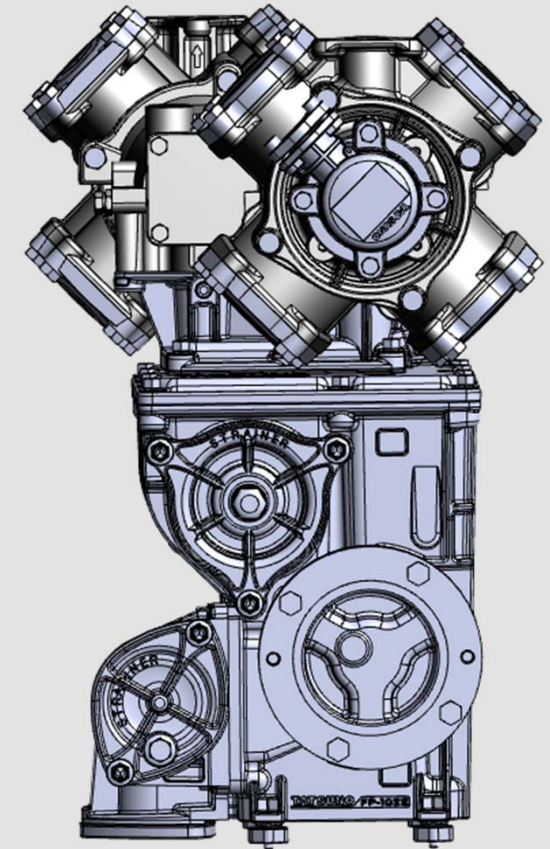
- ❑ Cover assembly before transport
(the testing in laboratory is performed with skeleton only)
- ❑ Easy maintenance of hydraulic parts
(easy to remove covers and exchange any hydraulic part)

New technologies – Modular MVP-X hydraulics



MAIN FEATURES

- ❑ New improved version 2019
(pump FP-1022 & meter FM-1025)
- ❑ New pulser generator
(EK-1129; magnetic; Exd; encrypted data transfer)
- ❑ Enhanced air separation
(high efficient principal of cyclone centrifuge)
- ❑ Compact solution all-in-one
(air sensor & temperature sensor & water sensor)



Product Code Key

OCEAN BMP40xy.OWz

NUMBER OF PUMP (1 to 5)

NUMBER OF NOZZLES (1 to 10)

ORIENTATION (L-left, R-right, D-double sided)



OCEAN BMP4036.OWD /H

ANNEXES

- /Hx high flow 80 L/min. of x pumps
- /UHx ultra high flow 130 L/min. of x nozzles
- /VRx vapour recovery of x products
- /MAS master dispenser
- /SAT satellite dispenser

Certificates – Safety & Metrology



Czech Metrology Institute
Notified Body No. 1332
Chvástní 31, 638 00 Brno, Czech Republic
tel. +420 545 555 111, fax +420 545 222 778
www.cmi.cz

EU-TYPE EXAMINATION CERTIFICATE
Number: TCM 141/07 – 4491
Addition 12

This addition replaces all previous versions of this certificate in full wording.
Page 1 of 28 pages

In accordance: with Directive 2014/32/EU of the European Parliament and of the Council on the harmonisation of the laws of the Member States relating to the making available on the market of measuring instruments (implemented in Czech Republic by Government Order No. 120/2016 Coll.).

Manufacturer: TATSUNO EUROPE a.s.
Pražská 2325/68
678 01 Blansko
Czech Republic

For: fuel dispenser
type: SHARK BMP 5xx.S, SHARK BMP 2xxx.S, OCEAN BMP 4xxx.O,
SUNNY-XE EURO Sxx xxxxE

Accuracy class: 0.5
Mechanical class: M1 or M2 (depending on configuration)
Electromagnetic class: E1 or E2 (depending on configuration)

Valid until: 15 January 2027
Document No.: 0115-CS-A004-07
Description: Essential characteristics, approved conditions and special conditions, if any, are described in this certificate.
Date of issue: 31 January 2019

Certificate approved by:

RNDr. Pavel Klenovský

This certificate was issued according to module B of the Directive 2014/32/EU of the European Parliament and of the Council (implemented in CR by Government Order No. 120/2016 Coll.)
17-101

EC Type Certificate (MID)
TCM 141/07-4491 Addition 12

EU DECLARATION OF CONFORMITY

1. Product model: **BMP 4036.OXD**
Serial number: **12345/18**

2. Name and address of the manufacturer: TATSUNO EUROPE a.s., Pražská 2325/68, Blansko, 678 01, Czech Republic, Reg. No.: 262215/4, Tax Reg. No.: CZ262215/4, www.tatsuno-europe.com

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

4. Object of the declaration: **Electronic fuel dispenser type series SHARK BMP5xx.S, SHARK BMP2xxx.S, OCEAN BMP4xxx.O or SUNNY-XE EURO Sxx xxxxE**

5. The object of the declaration is issued under the sole responsibility of the manufacturer

6. References to relevant harmonized standards used or references to other technical specifications in relation to which conformity is declared:
EN 13617-1:2012 - Petrol filling stations - Part 1: Safety requirements for construction and performance of metering pumps, dispensers and remote pumping units
Protection type: **Ex II 2G IIA T3**
EN 13623-1:2018 - Petrol vapour recovery during refuelling of motor vehicles at service stations - Part 1: Test methods for the type approval conformity assessment of petrol vapour recovery systems
EN 1317-1:2007 - Systems for automatic application of marking of fuel dispensers
WELV CE 16.5 - Guide for Corrective Application of Marking of Fuel Dispensers
WELV CE 2.3 - Refuelling Guide (Refuelling Instrumentation) (from issue 2016/07/01)

Module number and address	Professional	Issued certificate
FTZÚ 10 ATEX 0259 Physical-Technical Testing Institute, s.p., Pražská 2325/68, 678 01 Ostrava - Radvanice, Czech Republic	EU Type Examination Certificate in acc. Module B of Directive 2014/34/EU Certificate of Quality System in acc. Module B of Directive 2014/34/EU	FTZÚ 10 ATEX 0259 (type OCEA%) FTZÚ 11 ATEX 0256 (type SUNNY) FTZÚ 10 ATEX 0259
Czech Metrology Institute, 148 133, Obrůvka 31, 638 00 Brno, Czech Republic	EU Type Examination Certificate in acc. Module B of Directive 2014/32/EU Certificate of Quality System in acc. Module B of Directive 2014/32/EU	TCV 141207-4491 0115-01-A004-07

A. Additional information
Signed for on behalf of: **Milán Brtník, QMS manager**
Place and date of issue: **Blansko, 25.08.2019**

EU Declaration of Conformity



FTZÚ
Physical-Technical Testing Institute
Ostrava - Radvanice

(1) **Supplementary EU - Type Examination Certificate**
(2) **Equipment of Protective Systems Intended for Use in Potentially Explosive Atmospheres (Directive 2014/34/EU)**

(3) EU - Type Examination Certificate number:
FTZÚ 10 ATEX 0259

(4) Product: **Liquid fuel dispenser, type series OCEAN BMP 40xx.Oxx**
(5) Manufacturer: **TATSUNO EUROPE a.s.**
(6) Address: **Pražská 2325/68, 678 01 Blansko, Czech Republic**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 10 ATEX 0259 to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 20.02.2014, certifies that this product, as modified by this supplementary certificate, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

(9) In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20.04.2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20.04.2016.

(10) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 13617-1:2012

(11) The marking of the product shall include the following:
Ex II 2G IIA T3

(12) This certificate is valid till: **16.12.2024**

Responsible person: **Lukáš Martinák**
Dipl. Ing. Lukáš Martinák
Head of Certification Body

Date of issue: **16.12.2019**
Page: 1/3

This certificate is granted subject to the general conditions of the FTZÚ, s.p.
This certificate may only be reproduced in its entirety and without any change, schedule included.
Physical-Technical Testing Institute, s.p., Pražská 1337/7, 716 07 Ostrava - Radvanice, Czech Republic
tel. +420 556 223 111, fax +420 556 222 778, www.ftzu.cz

EC Type Certificate (ATEX)
FTZÚ 10 ATEX 0259 Suppl2

Certificates – Vapour Recovery



VR system certificate according EN 16321-1
6015-CC-P0002-17



VR system without monitoring
(dispenser labels)

TATSUNO EUROPE a.s. Pražská 68, 678 01 Blansko, Czech Rep.
VAPOUR RECOVERY SYSTEM 01/10/2019
Certificate No.: **6015-CC-P0002-17** Correct factor: **1.03**
Control valve: **ASCO EMXX** Control unit: **PDEX/PDEX5**
Max. petrol-flow: **40 l/min** Monitoring: **- not used -**
System: **Thomas 8014-6.0, Asco, Tatsuno Ultra**



VR system with monitoring
(dispenser labels)

TATSUNO EUROPE a.s. Pražská 68, 678 01 Blansko, Czech Rep.
VAPOUR RECOVERY SYSTEM 01/10/2019
Certificate No.: **6015-CC-P0002-17** Correct factor: **1.03**
Control valve: **ASCO EMXX** Control unit: **PDEX5**
Max. petrol-flow: **40 l/min** Monitoring: **PDEX5&VFS/FLP**
System: **Thomas 8014-6.0, Asco, Tatsuno Ultra, VFS/FLP**



Monitoring system certificate acc. EN 16321-1
6015-CC-P0001-19

Installation - Shell Blansko



from
1.7.2019



TATSUNO

In Innovation, In Reliable Services