



Electronic fuel dispensers TATSUNO serves in dispensing liquid oil products along with complementary liquids – diesel exhaust fluid (DEF/AdBlue®), windshield washer fluid (WSE), compressed natural gas (CNG) and liquefied petroleum gas (LPG) for road vehicles on retail and commercial outlets.

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TATSUNO
 In Innovation, In Reliable Services

TOWER COMBI



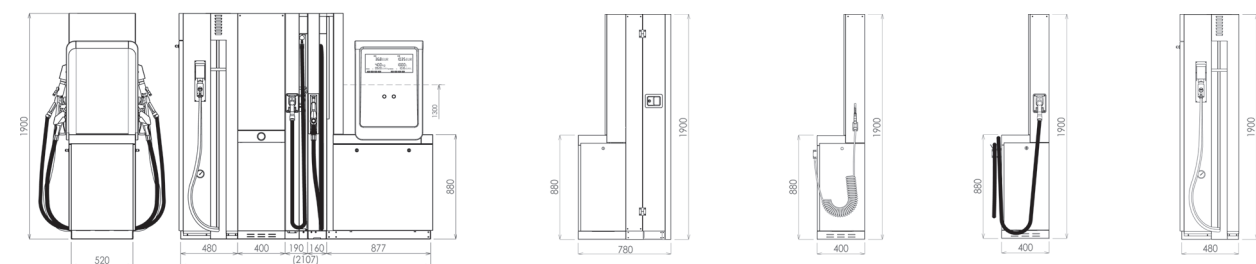
TATSUNO

TOWER COMBI

TATSUNO fuel dispensers in the TOWER COMBI series serves in dispensing liquid oil products along with complementary liquids – diesel exhaust fluid (DEF/AdBlue®), windshield washer fluid (WSE), compressed natural gas (CNG) and liquefied petroleum gas (LPG) for road vehicles on retail and commercial outlets.



The TOWER COMBI is a progressive single or double sided fuel dispensers with one to ten hoses (max. five hoses on each fuel dispenser side) for dispensing of one to five products. The fuel dispensers are equipped with the highest quality Japanese hydraulic system TATSUNO and our reliable electronic calculator. A simple and attractive design with durable materials in addition to composite plastic nozzle boots and countless design configurations. Made to last longer and offers more benefit to its users.



CNG module

STANDARD SPECIFICATION OF ADDITIONAL MODULES

- 4 pistons TATSUNO flow meter for liquids or mass meter for gas (CNG)
- Calculator PDEX5 with electronic volume/amount totalizers for every dispensing nozzle
- Electromagnetic proportional valve +24 VDC
- LCD with LED backlight with 7 digits for amount, 6.5 digits for volume and 5 digits for unit price
- Stainless steel filter, reusable, easy to clean
- Fluid types:
 - Aqueous Urea Solution made with 32.5 % high-purity urea (AUS 32) and 67.5 % deionized water (DEF/AdBlue®)
 - Windshield washer fluid (WSE)
 - Liquefied petroleum gas (LPG)
 - Compressed natural gas (CNG)
- Hoses
 - Hose with retraction system with nozzle reach of 4.8 m (DEF/AdBlue®)
 - Free hanging spiral hose with nozzle reach of 4.9 m (WSE)
 - Free hanging hose or hose with retraction system with nozzle reach of 4.5 m (LPG)
 - Free hanging hose with reach of 3.0 m (CNG)
- Galvanized and powder-painted carbon steel housing
- Piston volume meter TATSUNO
- Wide range of nozzles
- Magnetic pulse transmitter TATSUNO with encoded data signal
- Remote version – ready for connection with submersible pump installed inside the tank

OPTIONS

- Automatic temperature volume correction (ATC)
- Breakaway couplings
- Customizable colours
- Customizable design modifications
- Electro-mechanical totalizers
- Flexible pipe connection
- Foundation frame
- Housing - stainless steel
- Infra-red remote controller
- Integrated multimedia with touchscreen
- LOBE flow meter (DEF/AdBlue®)
- Main safety switch (TOTAL STOP)
- Payment terminal – integrated solution for wide range of terminals
- Pulse interface
- Sight glasses
- Simultaneous deliveries of liquid oil products and complementary liquids
- Volume and amount preset function via push buttons
- Wide range of data line communication protocols

TECHNICAL & ENVIRONMENTAL SPECIFICATION

SPECIFICATIONS OF THE OTHER PARTS OF COMBINED DISPENSERS CAN BE FOUND IN LEAFLET OF TOWER DISPENSERS.

Type of complementary liquid	Accuracy	Power supply	Ambient temperature	Temperature of complementary liquid	Relative humidity	Maximum operating pressure	Minimum operating pressure
AdBlue®	± 0.15 % with minimum dispensed volume 2 L	1 X 230 V	-20 °C to +40 °C	+5 °C to +25 °C	5 % to 95 % non-condensing	0.35 MPa (3.5 bar)	-
WSE				-20 °C to +50 °C			
LPG	± 0.30 % with minimum dispensed volume 5 L			-20 °C to +50 °C		1.8 MPa (18 bar)	0.7 MPa (7 bar)
CNG	± 1.0% (at min. delivery 2 kg)			-40 °C to +70 °C		30.0 MPa	2.0 MPa

SINGLE-SIDED DISPENSERS

Inlets	Type of complementary liquid	Hoses/Performance
1	AdBlue®	1 × 40 L / min
1	WSE	1 × 20 L / min
1	LPG	1 × 50 L / min
1 - 3	CNG	1 × 30 kg/min or 1 × 70 kg/min

DOUBLE-SIDED DISPENSERS

Inlets	Type of complementary liquid	Hoses/Performance
2	AdBlue®	2 × 40 L / min
2	WSE	2 × 20 L / min
1	LPG	2 × 35 L / min
1 - 3	CNG	2 × 30 kg/min or 2 × 70 kg/min



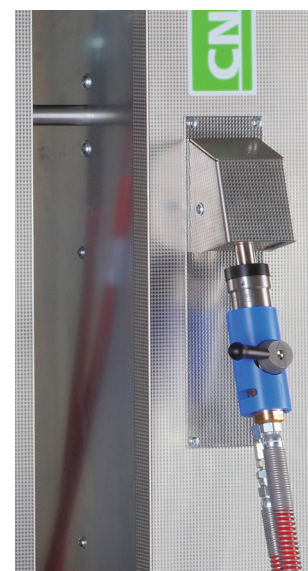
ADBLUE® module



WSE module



LPG module



CNG module