

#### ELECTRONICS

- Battery protected memory for security in the event of a power failure
- Interfaces – 2-wire, IFSF-LON, ATCL, PUMA
- LED Backlight LCD (amount, mass, unit price)
- Power supply 1 phase 230V AC, 50 Hz, + 10 %
- Reliable TBEL™ mass calculator
- Start/Stop button

#### CNG PRESSURE SYSTEM

- Coriolis mass flow meters
- External and internal sequencing, electronically controlled
- High safety thanks to automatic leak detection
- Maximum flow rate 30 kg/min NGV1, 70 kg/min NGV2
- Maximum working pressure 30 MPa (300 bar)
- Optimized temperature compensation
- Solenoid valves
- Testing pressure 43 MPa (430 bars)
- Time savings during refuelling due to faster switching between individual sections

#### MECHANICAL CHARACTERISTICS

- Filling hose: 3/8" (cars), 1/2" (buses)
- Filling nozzles compatible with receptacles according to ISO 14469-1, 2 (NGV 1) and ISO 14469-3 (NGV 2)
- Foundation frame
- Hose management – internal with free-hanging hoses for easy use
- Housing – powder-coated steel
- Nozzles – large selection of fuelling nozzles for attended or unattended use
- Simple adjustment from single filling nozzle to two nozzles (single filling point to two)
- Twin hose line with re-connectable breakaways

#### TECHNICAL CHARACTERISTICS

- Accuracy  $\pm 1.0$  % with minimum dispensed mass 2 kg
- Ambient temperature range -20 °C to +40 °C (-40 °C to +55 °C with additional heating)
- Approvals: ATEX, TÜV
- Conformity with OIML R139-1, 2
- Country specific weights and measures test upon request
- Dispensers designed to fully comply with safety, environmental and W&M European standards
- EC marking
- Factory-tested
- Power supply 1 phase 230V AC, 50 Hz,  $\pm 10$  %
- Filling duration under 3 min (standard vehicle)

#### OPTIONS

- 1 to 3 inlet lines
- Emergency Shut Down (ESD) system
- Emergency signal
- Emergency stop button
- Housing – stainless steel
- Mandatory country options
- Variety of nozzles from renowned producers
- Temperature-compensated filling procedure

Product images are for illustrative purposes only.

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# TATSUNO

## BMP 4000.OE EURO/CNG BMP 4000.OE EURO COMBI/CNG

### ELECTRONIC CNG/COMBINED DISPENSERS





BMP 4000.OE EURO/CNG

## 4000.OE EURO/CNG BMP 4000.OE EURO COMBI/CNG ELECTRONIC CNG/COMBINED DISPENSERS

OCEAN EURO CNG – a dispenser designed to meet the highest safety, reliability and performance demands. The OCEAN EURO CNG series provides a wide selection of options, which means that it fits seamlessly with the rest of the systems and solutions on your forecourt. It provides a flexible range of OCEAN EURO CNG configurations, comprising dispensers for standalone use, with single- and double-hose column that can be both single- and double-sided. In addition, the OCEAN EURO CNG dispenser can be uniquely combined with other fuel grades, including LPG, gasoline, and diesel. Using standard Point of Sale (POS) protocols, it can be combined with other systems on the forecourt and it comes with a wide selection of options, such as an Emergency Shut Down system or internal valve sequencing.

TATSUNO's CNG dispensers are designed to last longer even in the harshest of conditions. The robust dispenser is only dispatched to your site after rigorous testing at TATSUNO's laboratory. The CNG dispenser comes with housing made of powder-coated steel providing long lasting life in all environments.

As an experienced global producer with many years' experience with much more than just CNG dispensers, we have created a timeless design that not only meets countless requirements of varied customers, but also offers simple adjustment from a single filling nozzle to up to four nozzles.



BMP 4000.OE EURO COMBI/CNG



new design



optimized temperature compensation



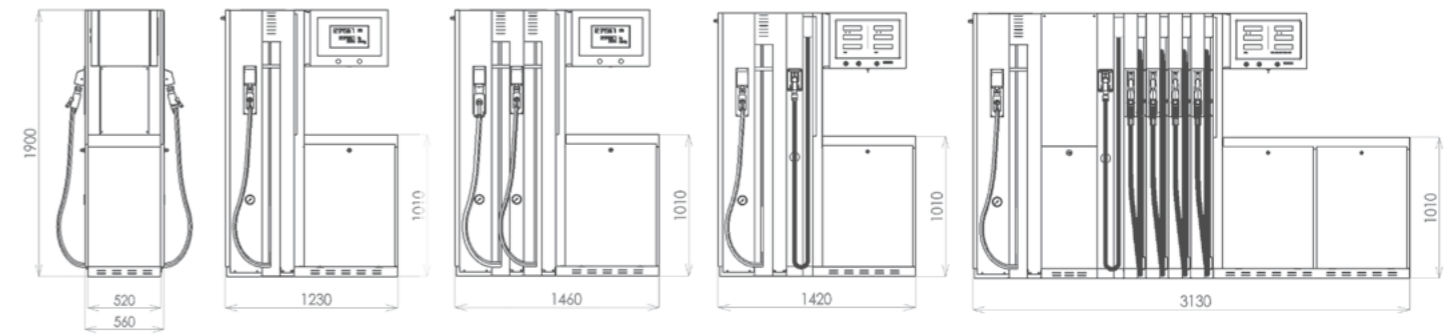
reliable hydraulics



graphic displays



automatic leak detection



### SINGLE-SIDED DISPENSERS OCEAN BMP4000.OE EURO / CNG

Product	Type	Hoses/ Performance
1	BMP4011.OEL(R)/CNG	1 x 30 kg/min
1	BMP 4011.OEL(R)/H/CNG	1 x 70 kg/min
1	BMP4012.OEL(R)/H/CNG	1 x 30 kg/min 1 x 70 kg/min

### DOUBLE-SIDED DISPENSERS OCEAN BMP4000.OE EURO / CNG

Product	Type	Hoses/ Performance
1	BMP4012.OED/CNG	2 x 30 kg/min
1	BMP4012.OED/H/CNG	1 x 30 kg/min 1 x 70 kg/min
1	BMP4012.OED/H/H/CNG	2 x 70 kg/min
1	BMP4014.OED/H/CNG	2 x 30 kg/min 2 x 70 kg/min

### TECHNICAL & ENVIRONMENTAL SPECIFICATION

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

Flow rates	Standard speed flow rate: 30 kg/min	High speed flow rate (H): 70 kg/min
Accuracy	± 1.0% with minimum dispensed mass 2 kg	
Power supply	1 phase 230V AC, 50 Hz, ± 10%	
Ambient temperature	-20 °C to +40 °C (-40 °C to +55 °C with additional heating)	
Temperature of fluid	-40 °C to +80 °C	
Relative humidity	5 % to 95 %	

