# **SUNNY-GL**







## New Challenge Starts from SUNNY-GL

SUNNY-GL is the essential dispenser for service stations. Benefits to both service station owners and drivers. User-friendly and safe. Best partner that provides greatest fulfillment for all.

## Wide range of Product Lineup

Product lineup meets various requirements of sites and customers. The best model with the best function.

Package is adjustable: wide or narrow body, suction, remote, flow rate, etc.

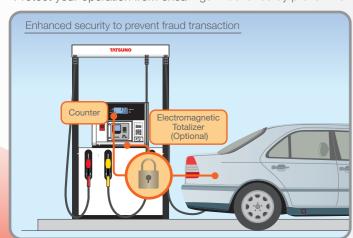




## Security Function

Prevents illegal data-changing or skimming by encryption technology for data communication between circuit boards.

Equips with disconnection detecting function for electromagnetic totalizer. Protect your operation from cheatings in advance by preventive function.





## Components with Best Cost Performance

Our main components, such as pumping unit and meter, are praised for their great technology and performance with highest quality and accuracy. The structures are designed to make maintenance work more efficiently to reduce the work cost.

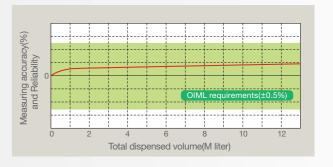


### New Model of Die-Cast Pump

New pumping unit uses techniques based on years of experience. It is a suction type made from die casting. Its air separator function and flow rate supervision control function keeps instrumental error to bare minimum.

#### Piston Meter

This precise and reliable meter provides safe refueling environment without deterioration in performance for a long period of time. New magnetic pulser with impenetrable structure improves reliability against leakage.

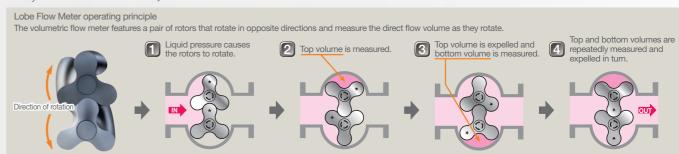


#### Lobe Flow Meter

Durability greatly improved by advanced and accurate mass measurement contactless helical rotor.

This mechanism makes the innovative design and compact body of flow meter.

Today this flow meter is widely used as "ultimate flow meter."



#### Various functions are available.



Membrane Panel Visualization of leakage from pumping unit



Detect air and stop refueling automatically

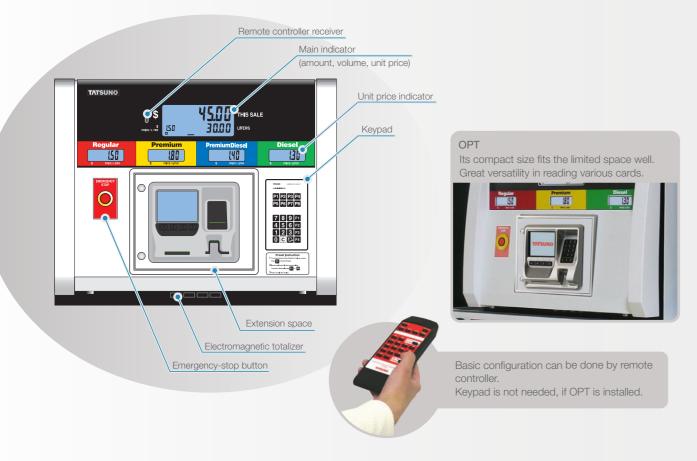


Conductive Terminal Easy to check electrical conductivity



#### **Extensible Counter Area**

Counter Area is designed based on user's actual motion during refueling. You can upgrade functions such as OPT, printer, keypad, RFID operator authentication, etc.



#### Multifunctional LCD Counter

All necessary information are displayed on one screen.

The LCD counter is bright with high visibility and is enhanced in durability (with LED backlight).



8-Digit counter can be used for any currency.
(7 digits for measurement unit, 6 digit for unit price)

When not used, backlight turns off and the dispenser goes into idle state to save electric power.

Maximum 10 records of recent refueling transaction data can be indicated.

Counter can give notice of replacement timing of consumable parts.

## Easy Flow Rate Control

Minor adjustment of flow rate can be done with just one button.

Best flow rate can be selected for vehicles such as motorbike and truck to ensure safe and comfortable refueling.

## **Smooth Handling**

Achieves simple and comfortable refueling.

No stress. All parts of hanging hardware, including elbow, breakaway, hose, swivel and nozzle are smoothly interlocked. All actions of refueling can be done easily.



- Safety breakaway coupling prevents damage to dispenser in unpredicted situation.
- Double swivel helps to handle the hose freely.
- Nozzle holder enables easy operation of nozzle.

#### Reliable Nozzle and Nozzle Holder

Compact and space-saving. This contactless type nozzle holder fits the nozzle perfectly and achieves high durability. There are convenient accessories such as nozzle talker for advertisement, cover for diesel to prevent misfueling, etc.









By using Ultra Nozzle, refueling completes in short time with small foaming. Also, auto stop function works even in 2L/min. Safe refueling is achieved.

# Free Layout and Operation

#### Front Nozzle Type

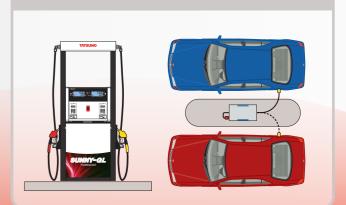
With a hose for same product at both sides, refueling operation can be done by lanes.

The driver can choose from different products freely. Makes refueling environment open and wider.



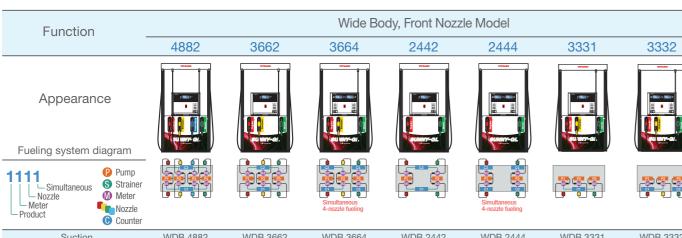
## Side Nozzle Type

With side nozzle, refueling can be done smoothly by islands. Effective operation can be managed by economical solution.



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# **List of Functions/Models**



	Suction	WDB 4882	WDB 3662	WDB 3664	WDB 2442	WDB 2444	WDB 3331	WDB 3332
Model	Remote	WSB 4882	WSB 3662	WSB 3664	WSB 2442	WSB 2444	WSB 3331	WSB 3332
POS pre					<u> </u>			
POS preset Keypad(preset) with display		<u></u> ★1						
Keypad(preset) with display  Keypad(preset) without display								
Reypau(	RS-485							
Interface	IFSF							
Hose	12ft(Hard core)	•	•	•	•	•	•	•
Hose Ha								
	rti kinking sleeve	<u> </u>		<u> </u>				
		•	•	•	•	•	•	•
-	Auto-stop nozzle							
	Just-stop(prepay) nozzle							
-	Trigger	_			<u> </u>			
-	Ultra nozzle	<u> </u>				<u> </u>	<u> </u>	
Nozzle	High speed nozzle 70L/min	<u> </u>						
_	80L/min							
	Splash guard	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
	Oil guard	<u> </u>	_		<u> </u>	<u> </u>	_	_
	Nozzle talker*2	<u> </u>	<b>A</b>	<u> </u>	<u> </u>	<b>A</b>	<u> </u>	<b>A</b>
	Single	•	•	•	•	•	•	•
Swivel		<b>A</b>	_	_	_	_	_	_
	Multi*2	<u> </u>	<b>A</b>	<b>A</b>	<b>A</b>	<b>^</b>	<b>A</b>	_
Unit pric	e indicator	<u> </u>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>
Vapor re	covery	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<b>A</b>
0-4-4-4-	Single poppet	•	•	•	•	•	•	•
Safety bre	eakaway coupling Double poppet	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Safety bre	akaway coupling cover	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Electrom	nagnetic totalizer	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Sight gla	ISS	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Alert of restoring nozzle (by key tone)		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Emerger	ncy-stop button	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Filling ca	ap tray	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	ectricity discharge pad	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	conductivity test	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	_
Earthquake sensor								
Air detector sensor(for Suction model)		•	•	•	•	•	•	•
Membrane panel(for Suction model)								
	Motorbike mode							
Flow con	trol button High-to-Standard mo							
OPT		<u> </u>						_
Built-in printer								
	older with lock			<u> </u>				
	lolder with lock	<u> </u>	<u> </u>	<u> </u>		<u> </u>		
RFID		<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>

- \*1: Combination of keypad with display and unit price indicator is not available. \*2: For Ultra Nozzle only.







Double swivel











WDA 2442	WDA 2444	WDA 2222	WDA 1222	WDA 1111
WSA 2442	WSA 2444	WSA 2222	WSA 1222	WSA 1111
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WDA 2222-S	WDA 1222-S	WDA 1111-S
WSA 2222-S	WSA 1222-S	WSA 1111-S
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Splash guard







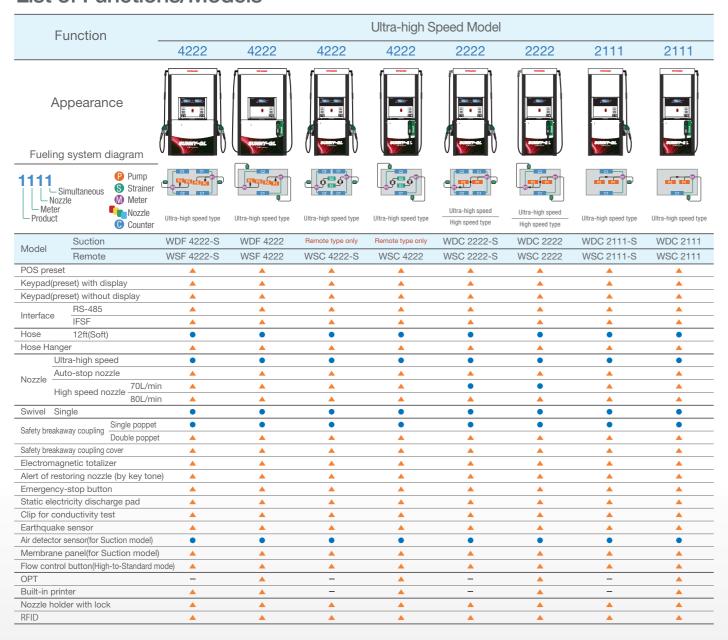




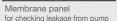
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# List of Functions/Models







Electromagnetic totalizer



Unit price indicator

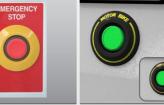


P1 P2 P3 P4 P5 P6 P7 P8



Keypad(preset) with display ID-Remote controller

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with Filling cap tray

# **Main Specifications**

		Standard Speed ( Gasoline / Diesel )	High Speed ( Diesel )	Ultra-high Speed ( Diesel )		
Delivery Speed	Suction Model	40 L/min. (Simultaneous fuelling: 35 L/min)	70 or 80 L/min. ( Simultaneous fuelling: 40 L/min )	140 L/min. ( Simultaneous fuelling: 100 L/min )		
belivery opecu	Remote Model	Depend	ty			
Measuring Accuracy		±0.25% ±0.5%				
Elow Motor		Standard: 4-piston type positive displacement	32mm Lobe meter			
Flow Meter		Optional: Mechanical calibration adjuster	32IIIII Lobe Metel			
Suction Pumping Unit		Internal silent gear pump with air separator, by-pass valve, suction strainer and check valve				
Suction Head (Suction	Model)	4m (Gasoline Column)				
Motor (Suction Model)		Standard: 1-phase induction motor, explosion-proof, 220~240 VAC±10%, 50/60Hz 750W				
		Optional: 3-phase induction motor, explosion-proof, 380~415 VAC±10%, 50/60Hz 750W				
	Туре	Micro-computer type electronic counter (LC				
	Character Color	Black characters on a blue field with bright LED back light				
		Price: 8 digits [ 0.01 ~ 999,999.99 ] / Readout: 35.0H mm				
Counter	Display	Volume: 7 digits [ 0.01 ~ 99,999.99 ] / Readout: 25.4H mm				
Oddrittoi	Display	Unit Price: 6 digits [ 0.01 ~ 9,999.99 ] / Readout: 15.0H mm				
		** Depending on POS registration, the display shows 'Price: 6 digits, Volume: 6 digits, Unit price: 4 digits'.				
	Electronic Totalizer	8+2 digits or 7+3 digits				
	Other Functions	Self-diagnosis, Over voltage protector, Battery back-up				
keypad		Optional: Volume and amount can be preset using a 16-key-sheet + 8 programmable one-touch key buttons with click sound				
Totalizer Totalizer		Electronic: 10 digits [ 99 999 999.99 Liters ]				
Daily Total	llizer	Electronic: 10 digits [ 99 999 999.99 Liters ]				
Electromagnetic Totaliz	er (Optional)	Mechanical: 7 digits [ 9 999 999 Liters ]				
Reset Device		Automatic reset in Nozzle Hanger				
		Standard: Tatsuno nozzle with colored scarf go	uard / Spout size : OD 21mm or OD 25mm			
Nozzle		Optional: Ultra nozzle, Trigger, High speed Compatible with other manufacture.	nozzle urers	OD 32mm automatic stop nozz		
Swivel		Standard: Tatsuno single swivel				
Swivei		Optional: Tatsuno double swivel, Tatsuno N	Multi swivel(work with Ultra nozzle) or Comp	patible with other manufacturers		
Hose		Standard: 3/4"×12 ft, Black, Oil resistant		45 4 4 445 406 51 4 611 4 4		
nose		Optional: Color & length by request	1 <sup>B</sup> or 1-1/4 <sup>B</sup> ×12ft Black 0			
Cafaty Braakaway Cau	olin a	Standard: Tatsuno (Non-reusable)				
Safety Breakaway Cou	oling	Optional: Compatible with other manufactu	urers			
Sight Glass		Optional: Tatsuno original type or Compati	ble with other manufacturers	Not available		
Filter (Suction Model)		Optional: Paper filter				
Filter (Remote Model)		Standard: Paper filter				
i liter (Herriote Model)		Optional: Reusable metal strainer				
Housing color		Standard: White with black base				
Housing color		Optional: Colors by request				
POS Interface		Standard: No POS interface				
		Optional: RS-485, IFSF				
Pulser		Resolution 1mL/pulse				
Initial-setting Method		ID-Remote controller				
Flow Control Valve		Proportional valve				
Connection kit for underground piping (Optional)		Suction: Flexible tube, Flange, 1-1/2" threaded				
		Remote: 1-1/2" threaded connection pipe for shear valve use				
(Optional)						
Eathquake Sensor (Opt	ional)	Effective against earthquakes with a seismi	c acceleration level of more than 100 GAL (	5+ on the Richter Scale)		

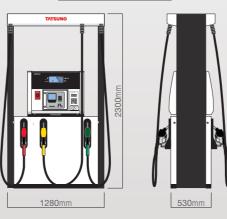
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- Size and length of hose
   Size and type of nozzle/swivel
- 3) Type of oil product, suction conditions, and local piping conditions

4) With/without presets

Specifications are subject to change with or without prior notice.

#### Wide body model



Narrow body model



Technology and performance that are highly acclaimed by the world.

All the main components including pumping units, meters, and nozzles are designed and developed by our own.

We offer you the reliable "Japan Quality" dispenser.





# **TATSUNO CORPORATION**

#### International Marketing Dept.

1-1, Kasama 4-Chome, Sakae-ku, Yokohama, 247-8570, Japan Telephone:+81-(0)50-9000-0555 Fax:+81-(0)45-893-4680

http://www.tatsuno.co.jp/english/

