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Overseas affiliated companies

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http://www.miura-cn.com

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FAX 886-2-2799-1363
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http://miurasingapore.com.sg

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http://www.miura.co.th

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http://www.marusevn-boiler.com

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[CANADA] MIURA CANADA CO.,LTD.
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http://www.miuraboiler.ca

[U.S.A] MIURA INTERNATIONAL AMERICAS INC. MIURA AMERICA CO.,LTD.
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http://www.miuraboiler.com

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Product upgrades may be made without notice.
Please address any enquiries concerning this brochure to your nearest Miura distributor or sales office.

Safety Precautions	In order to use the product safely, please read the Instruction Manual first.

◎Export Precautions: Products in this brochure which fall under the export controls in the Foreign Exchange and Foreign Trade Act require a license from the Japanese government for export outside of Japan. If you are considering export, please consult your Miura Sales Representative.

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The Best Partner of
Energy, Water and Environment

MIURA

Once-Through Steam Boiler

SI

13A
LPG

2000GVS • 2500GVS

Boiler efficiency of 98%
SI steam boilers with slim, compact design

Miura is recognized as the world's most reliable and respected brand of once-through boilers. Commanding the top share of the market for compact once-through boilers, we are proud of our boilers which demonstrate our commitment to quality and technical prowess, and we are delivering outstanding performance in a wide variety of industries. Environmentally friendly, with high boiler efficiency and low running cost,the Miura SI series is winning the satisfaction of international customers.

Features

Easy status checking and operation

The operating conditions of the boiler are clearly displayed using visibly recognizable colours and messages. You can safely and easily control automatic water and steam supply with the press of a switch.

>> Alarm function

An alarm function helps to avoid unintended boiler stoppages. It is particularly useful from the perspective of preventive maintenance.

>> The panel interface supports multiple

The control panel language can be switched between English, simplified Chinese, traditional Chinese, Korean, and Japanese.

>> Heat control function

Operational data including the volume of steam and blowdown are displayed on the panel, which ensures the ability to maintain safe and stable operating conditions.

New Fuctions for ever greater safety

>> Flame sensor with self-analysis function

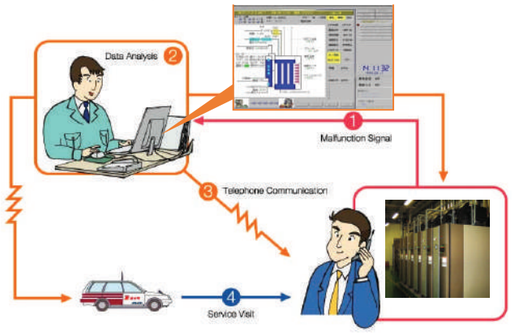
The flame sensor itself is equipped with a function that can detect any malfunction

>> High-performance steam pressure switch

A fail-safe steam pressure switch is used based on the physical phenomenon whereby a magnet loses its magnetic force when heated.

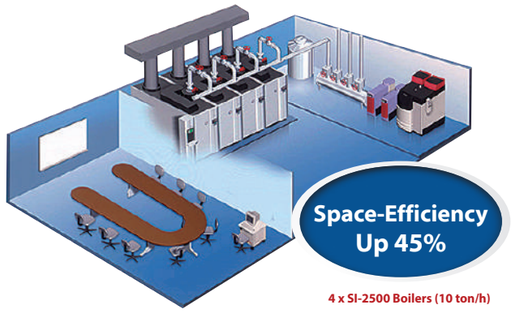
Online Maintenance Using the Communication Function

The boiler automatically alerts the maintenance centre if it detects a fault.



Space-efficiency

Space-saving through close placement
- Significant space-savings
- High-efficiency operation with multiple boilers
- Reduces risk of breakdowns



4 x SI-2500 Boilers (10 ton/h)

* Front View SI-2000 GVS

Basic Specification

MIURA TYPE			SI-2000GVS	SI-2500GVS	REMARK
ITEM		UNIT			
Main Body					
Boiler Type		—	Once-through steam boiler		
Working Pressure		MPa	0.49—0.88		*8, *9
Equivalent Output		kg/h	2000	2500	
Actual Output		kg/h	1680	2096	*3
Heat Output		MW {kcal/h}	1.254 {1078000}	1.567 {1348000}	
Water Boiler Efficiency		%	98	98	*2
Water Content		L	138	148	
Fuel Consumption	Natural Gas (13A)	Nm³/h	113.5	141.8	*1, *2
	LPG (Propane)	kg/h	49.2	-	
	LPG (Butane)	Nm³/h	99.3	-	
		kg/h	38.7	-	
			100.8	-	
Power Supply		—	AC 380 V, 50 Hz ,3 phase		
Required Wire Diameter for Power Supply		mm²	5.5	8	*5
Power Circuit Breaker Capacity		A	60		*6
Rated Power Consumption		kW	10.4	11.05	
Max. Electrical Consumption 50Hz		kVA	13.8	19.2	
Product Weight		kg	2360	2555	
Connection Diameter					
Steam Outlet		A	65	80	
Safety Valve Outlet			50	65	*4
Feed Water Inlet			40		
Boiler Blowdown Outlet			25		
Fuel Inlet			40		
Inspection Port			Upper: 50, Lower: 50		
Surface Blowdown Outlet			[10]		*7
Dew Drain Outlet			25		
Stack Diameter		φ mm	300	450	

*1. The following values are used for the heat output of the fuel.

Fuel type		Lower heating value
Natural Gas (13A)		40.6 MJ/m3N
LPG	(Propane)	93.7 MJ/m3N (46.4 MJ/kg)
	(Butane)	118.9 MJ/m3N (45.7 MJ/kg)

*2. (1) Boiler efficiency is based on the following.
Operating conditions: Operating pressure 0.49 MPa
Feed water temperature: 15°C
Charge air temperature: 35°C
Land boilers - Heat balancing: JIS B 8222
(2) The error has the following tolerances.
Error for boiler efficiency ±1%, error for fuel consumption ±3.5%

*3. Actual output evaporation is based on feed water temperature 15°C, and steam pressure 0.49 MPa.This boiler is designed for use with feed water at a temperature of 55°C or higher.

*4. The safety valve blow outlet shows the diameter of the elbow that connects to the outlet of the safety valve.

*5. Power supply wire diameter indicates the wire diameter of crosslinked polyethylene insulated PVC sheathed cable (CV).

*6. The power circuit breaker should be an earth leakage circuit breaker with overcurrent protection.

*7. The piping from the surface blowdown outlet is connected to the boiler blowdown.

*8. If the pressure exceeds the working pressure range, steam leak or blowout from the safety valve may occur. Contact your local Miura office when the steam pressure setting of the boiler exceeds the working pressure range.

*9. Install a pressure reducing valve or equivalent when the steam lower than the working pressure range is required.

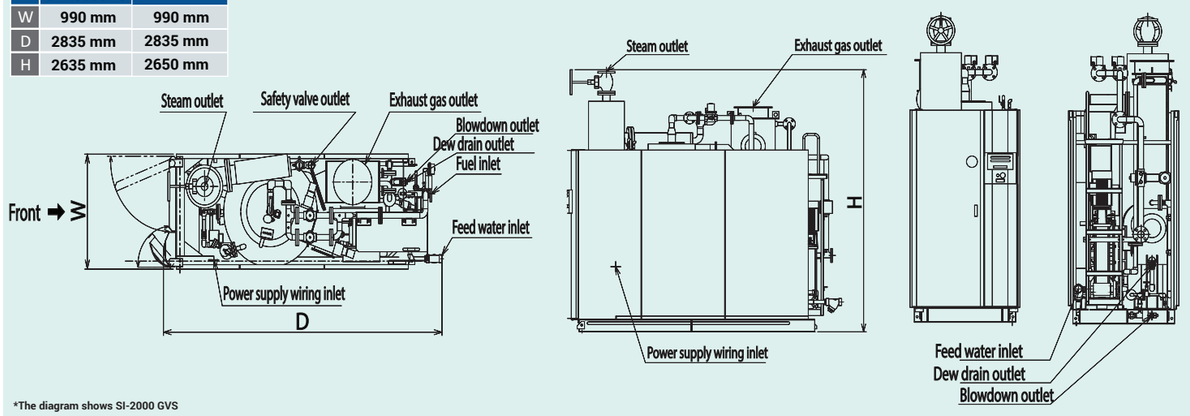
*10. The gas supply pressure should be set within the appropriate range as shown below.
(Applicable both during operation and when stopped.)

Model	Natural Gas (13A)	LPG
SI-2000GVS	14.7 to 19.6 kPa	9.81 to 19.6 kPa
SI-2500GVS	29.4 to 294 kPa	-

For the sake of safety, an earthquake detecter should also be installed

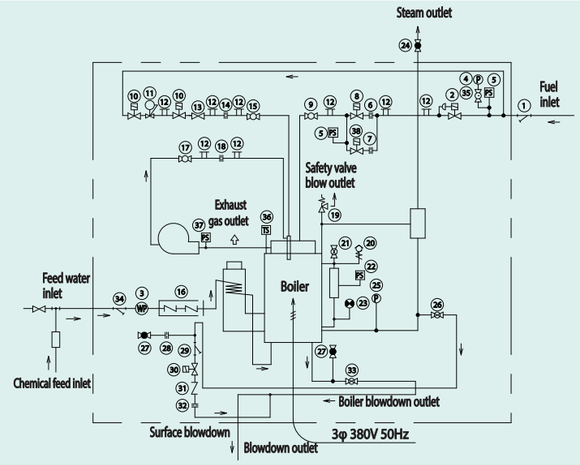
Overall dimensions [SI-2000 GVS-2500 GVS]

	SI-2000GVS	SI-2500GVS
W	990 mm	990 mm
D	2835 mm	2835 mm
H	2635 mm	2650 mm



*The diagram shows SI-2000 GVS

Flow sheet [SI-2000 GVS]



1	Gas strainer	20	Vacuum breaker
2	Emergency shutoff valve	21	Air vent valve
3	Feed water pump	22	Steam pressure switch
4	Gas pressure gauge	23	Pressure sensor
5	Gas pressure switch	24	Main steam valve
6	Main gas orifice	25	Steam pressure gauge
7	Main gas orifice	26	Surface blowdown valve
8	Main gas solenoid valve	27	Water sampling port
9	Main gas valve	28	Orifice
10	Pilot gas solenoid valve	29	Y-type strainer
11	Gas pressure regulator	30	Surface blowdown solenoid valve
12	Pressure test port	31	Check valve
13	Needle valve	32	Orifice
14	Pilot gas orifice	33	Boiler blowdown valve
15	Pilot gas valve	34	Y-type strainer
16	Check valve	35	Ball valve
17	Pilot air flow control valve	36	Steam temperature switch
18	Pilot air orifice	37	Air differential pressure switch
19	Safety valve	38	Main gas solenoid valve