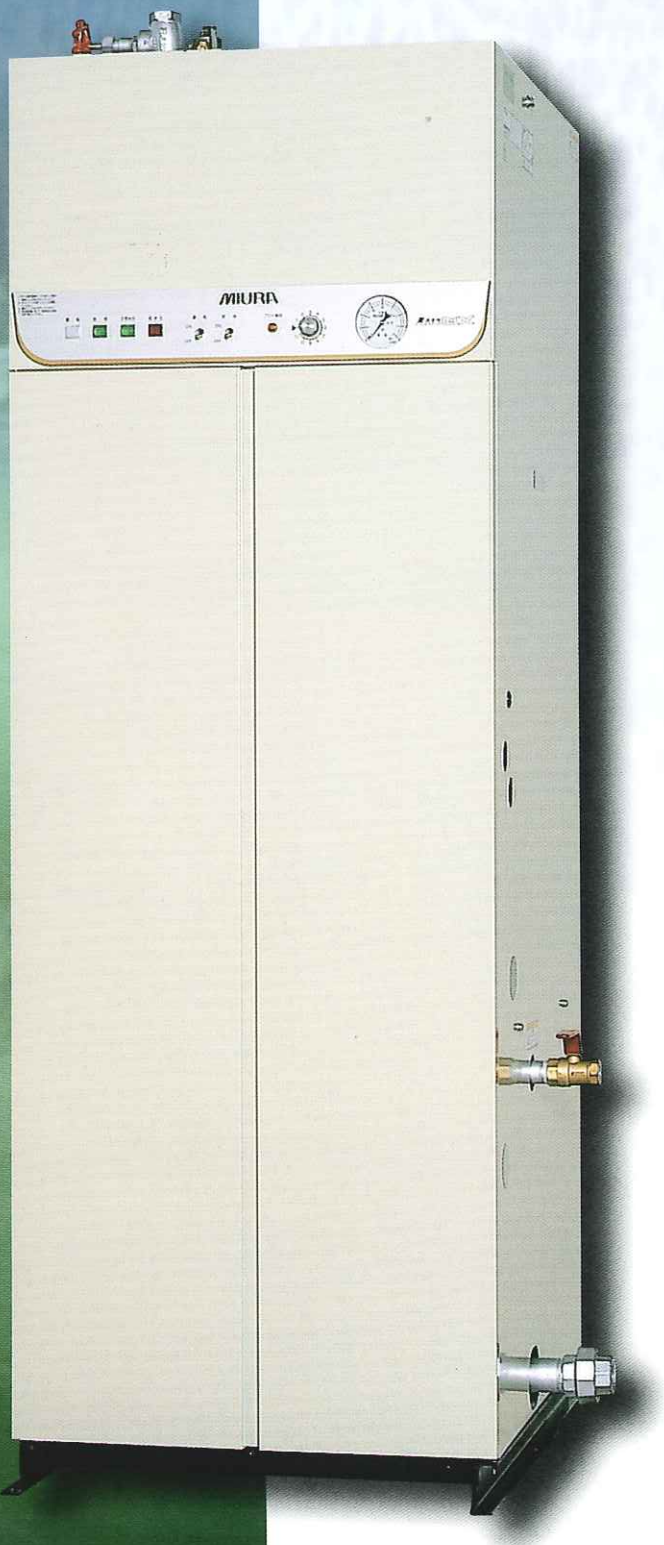
MIURA

Advance services on your Utility

ONCE-THROUGH STEAM BOILER

GAS

GX



PT. MIURA INDONESIA

Space saving, high efficiency, and environment friendly

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 in Japan, our excellence in quality and technical prowess allow us to deliver outstanding performance in a wide variety of industries.
We know that the GX series will fully satisfy our overseas customers in terms of environmental friendliness, running cost, and steam quality.

Features

Low NOx and clean emissions that are considerate of the global environment

Employs a low NOx burner to reduce NOx emissions, one of the causes of acid rain. (GX-40 to GX-60).
Able to cut down the total quantity of emissions such as CO_2 and CO which are said to have the greatest impact on global warming. Gas fired means no soot produced or oil grime.

Space saving, Quite operation

The GX series is more compact than the former series.
This compactness enables the users to make full use of limited space.
The operating noise will not disturb the operator or any person working nearby early in the morning or late at night.

High boiler efficiency allows reductions in running costs

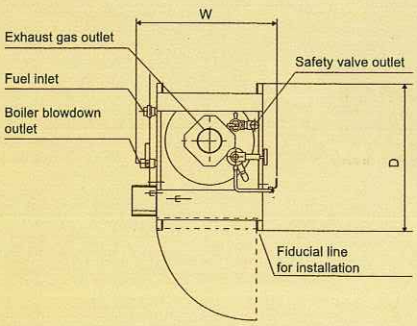
The efficiency of boilers in this class typically tops out.

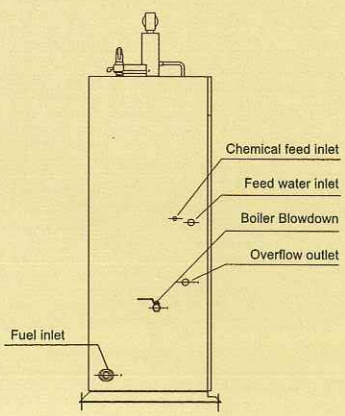
Quick start, ease of operation

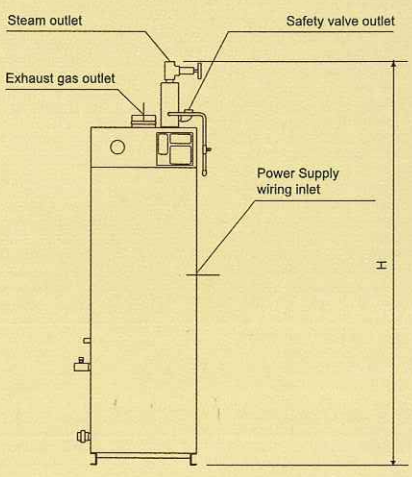
The clearly legible and easy-to-use front panel is designed with the operator in mind.

Overall dimensions (GX-40S-60S-90S-120S-160S-250S-350S)

	GX-40S	GX-60S	GX-90S	GX-120S	GX-160S	GX-250S	GX-350S
W	495	545	560	570	680	1210	1265
D	580	605	630	650	740	850	930
H	1670	1895	1930	2055	2030	2065	2065







*The diagram shows GX-160S

Basic specifications

Type			GX-40S	GX-60S	GX-90S	GX-120S	GX-160S	GX-250S	GX-350S	Remarks
Item		Unit	Natural gas (13A) / LPG							
Main Body										
Boiler type		-----	Once-through steam boiler							
Max. working pressure		MPa {kgf/cm²}	0.69 {7.0}					0.98 {10.0}		*1
Equivalent output		kg/h	40	60	90	120	160	250	350	
Actual output		kg/h	34	50	75	101	134	210	293	*4
Heat output		kW {kcal/h}	25.1 {21560}	37.6 {32340}	56.4 {48510}	75.2 {64680}	100 {86240}	157 {134800}	219 {188700}	*1
Boiler efficiency		%	87					88		*3
Water content		L	11	14	15	19	25	36	43	
Fuel consumption	Natural gas 13 A	m³/h	2.8	4.3	6.4	8.5	11.4	17.6	24.6	*2, 7
	LPG	kg/h	2.2	3.2	4.8	6.5	8.6	13.3	18.6	
Power supply		-----	AC 100V 50/60 Hz Single Phase					AC 200V 50/60 Hz 3 Phase		
Required wire diameter for power supply		mm²	1.25					2.0		
Power circuit breaker capacity		A	20					10	15	*5, 9
Rated power consumption		kW	0.375				0.5	1.0	1.35	*5
Max. electrical consumption		kVA	0.85				0.99	1.68	2.1	*5
Product weight		kg	142	165	178	205	300	440	520	*1
Connection diameter										
Steam outlet		A	15	20			25			
Safety valve outlet			20				25			*6
Feed water inlet			15					Normal temp. water 15		
								High temp. water 20		*5
Boiler blowdown outlet			25							
Fuel inlet			20		25			40		
Inspection port			32A 25A				50A 25A	40A 32A		*8
Chimney		Ømm	90		120			150	200	

*1 Numbers in parentheses { } are values in conventional units.

*2 The heating values for each fuel are indicated below:
Natural gas (13A) : 8700kcal/m³
LPG : 11500kcal/kg

3 (1) The boiler efficiency is calculated according to the conditions below:
Operation condition: working pressure = 0.49MPa {5kgf/cm²};
feed water temperature = 15°C; inlet air temperature = 35°C
(2) The following errors are deemed tolerable:
The error of the boiler efficiency: ± 2%; the error of combustion volume (input): ± 3.5%

4 The actual output is calculated under the assumption that the feed water temperature is 15°C and the steam pressure is 0.49MPa {5kgf/cm²}.

5 When the feed water temperature is to be 85°C, boilers with specifications for high temperature water will be required, please contact us for more details.

*6 The diameter of the safety valve outlet equals the nominal diameter of the elbow connected to the outlet of the safety valve.

*7 The gas supply pressure should be controlled within the range indicated in the chart below (irrespective of whether the boiler is off or on):

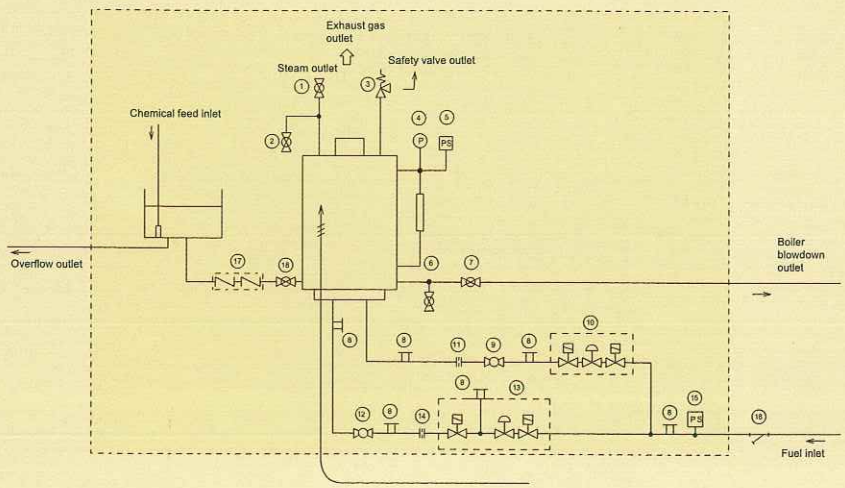
Model	Natural Gas (13A)	LPG
GX-40S	1.96 ± 0.49kPa {200±50mmAq}	2.75±0.49kPa {280±50mmAq}
GX-60S		
GX-90S		
GX-120S		
GX-160S		
GX-250S		
GX-350S		

*8 Inspection hole of GX-40S-60S are short pipes, GX-250S and 350S are sockets.

*9 Use a ground fault circuit interrupter (with overcurrent protection) as the power interrupter.

• Upon installation of a boiler, set up a gas leak alarm and seismoscope to ensure safety.

Flow sheet



1	Main steam valve
2	Air vent valve
3	Safety valve
4	Steam pressure gauge
5	Steam pressure switch
6	Water sampling port
7	Boiler blowdown valve
8	Pressure test port
9	Pilot gas valve
10	Pilot gas solenoid valve
11	Pilot gas orifice
12	Main gas valve
13	Main gas solenoid valve
14	Main gas orifice
15	Gas pressure switch
16	Y-type strainer
17	Check valve
18	Feed water stop valve

*The diagram shows GX-160S

Worldwide network

MIURA Company Groups

We will make global proposals for energy and environmental problems.
We will offer greater satisfaction to customers by providing high-quality technologies and services.
As a professional of heat and water, we would like to make proposals for energy and environmental problems.
Miura's network of bases has spread globally, beyond national borders, and will continue to expand.

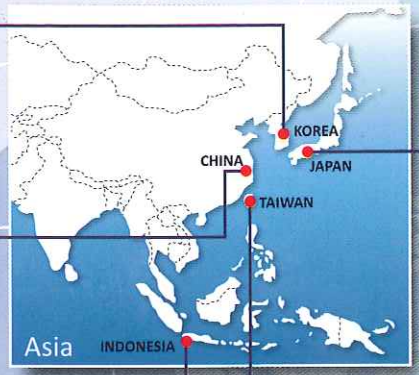
MIURA CO.,LTD

KOREA MIURA BOILER CO.,LTD

MIURA INDUSTRIES CO.,LTD (SHUZOU)

MIURA BOILER CO.,LTD

PT. MIURA INDONESIA



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MIURA

PT. TRIGLOBAL MANDIRI INDONESIA
Laundry Machinery Contractors and Suppliers

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Export without necessary permit is punishable under the said law.
Customer shall inquire of our sales office whether a permit is required for or not.

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