



<http://www.samhoboiler.com>

# SAMHO

## Boiler industry



SAMHO BOILER CO., LTD.

## 회사연혁

- 1969 삼호공작소 설립(공장등록 제14호)
- 1973 삼호보일러 상호변경
- 1976 군납 지정업체 선정
- 1978 육용강제 제2종 허가 획득(제144호)
- 1983 관류보일러 출시
- 1984 주식회사 법인설립
- 1985 노동연관식 보일러 출시
- 1989 해외시장 진출(아시아 및 중남미 지역)
- 1992 강원도 철원공장 신축
- 1992 육용강제 제1종 허가 획득(제1호)
- 1992 배출시설 허가
- 1994 중형온수보일러 출시
- 1995 환경사업 진출(소각로 생산)
- 1996 유망중소기업 선정
- 1996 병역특례업체 선정
- 1997 유망선진기술기업 지정
- 1998 무역업 신고필
- 1999 전문건설업 등록
- 1999 SQLO 인증획득(중국 안전관리국)
- 1999 ISO 9001 인증획득  
(한국품질관리인증센터)
- 2000 보일러 전문연구소 설립(강원대학교)
- 2002 콘덴싱 보일러 출시
- 2002 고효율 인증획득(에너지관리공단)
- 2002 수출 100만불 달성
- 2002 소각보일러 출시
- 2003 다목적 보일러 출시
- 2004 무압 및 진공온수 보일러 출시
- 2004 CLEAN 사업장 인증 획득 (노동부)
- 2005 강원도 에너지대상 수상
- 2006 이경수관 관류보일러 특허출원
- 2007 ISO 9001 인증갱신(한국품질재단)
- 2007 석탄보일러 출시
- 2008 ISO 14001 인증획득 (중소기업청)
- 2009 최첨단 생산설비 구축
- 2011 무역의 날 수출의탑 수상
- 2013 생산 제2공장 증설

## Company history

- 1969 Establishments of Samho manufacture. (Factory registration No. 14)
- 1973 Change company name to Samho boiler.
- 1976 Selected as supplier of goods and services to the militaries
- 1978 Obtained government license as the second-class boiler manufacturing company (No. 144)
- 1983 Once through boiler launched
- 1984 Company incorporated
- 1985 Smoke tube type boiler launched
- 1989 Make inroads into overseas market (Asia and Central and South America area)
- 1992 Opened factory in Chulwon, Kangwon-do
- 1992 Obtained government license as the first-class boiler manufacturing company
- 1992 Obtained government license for industrial waste facilities.
- 1994 Launch the medium-sized hot water boiler.
- 1995 Make inroads into environments business (incinerator production)
- 1996 Selected as blue chip medium and small enterprises.
- 1996 Selected as company of mandatory military services
- 1997 Appointed as prosperous advanced technology enterprise.
- 1998 Registered trade businesses.
- 1999 Registered construction industry.
- 1999 Acquired SQLO certification (China safety Management and Maintenance Bureau)
- 1999 Acquired ISO9001 certification (Korea foundation for quality)
- 2000 Established R&D center for boiler (Kang-won National University)
- 2002 Launch Condensing boiler
- 2002 Acquired high effectiveness certifications (Energy management industrial complex)
- 2002 Achieve one-million dollars export.
- 2002 Launch Incineration boiler
- 2003 Launch multi-purpose boiler.
- 2004 Launch Non-pressure and vacuum warm water boiler.
- 2004 Obtained Ministry of labor license for clean place of business
- 2005 Won the Gangwon-do Energy Award
- 2006 Patented Reduced Water Pipe Boiler
- 2007 Renewed the ISO 9001 Certificate (Korea Foundation for Quality)
- 2007 Launch Charcoal Boiler
- 2008 Acquire certificate for ISO 14001(Ministry of small and medium industry)
- 2008 Acquire the patent for Vertical Smoke-Tube Boiler
- 2009 Constructed High-Tech Production Lines
- 2011 Recieved Top Export Award on Trade Day
- 2013 Completed Construction of a Second Manufactory

## 인사말씀

1969년도 인화, 창조, 도약의 경영방침으로 창립된 삼호보일러는 국내는 물론 해외수출 증진에 심혈을 기울이고 있습니다.

특히제품인 입형연관식보일러에 이어서 폐섬유를 이용한 연료절감형 소각보일러는 아시아, 중동 및 남미 지역으로부터 각광 받고 있으며, 2011년 무역의 날 수출의 탑을 수상하였고 이를 계기로 세계 속의 글로벌 기업이 되기 위하여 더욱 분발하고 있습니다.

한번 맺은 인연을 소중히 여기는 삼호보일러와 임직원 일동은 고객관리에 최선을 다하고 있으며 연중무휴 24시간 상담을 통하여 늘 여러분 곁에서 함께 하고자 합니다.

감사합니다.

(주) 삼호보일러  
대표이사 이기원



## Greetings

Welcome to Samho Boiler

Samho Boiler was founded on a management philosophy of cooperation, creativity, and development in 1969. Over the years, Samho Boiler has strived to expand exports in domestic and international markets.

Innovations from our company stem from our patented product, Vertical Smoke-Tube Boiler to the Fuel Efficient Boiler that uses waste fiber for fuel, our products have attracted customers from Asia, the Middle East, and South America.

Samho Boiler was the recipient of the "Prize Winner" award from the Korea International Trade Association in 2011. We have since continued to make a strenuous effort to be a stellar global business.

Since the company's founding, we have appreciated every customer and will continue to do so. Our customer service is always on staff and is available 24 hours a day, 7 days a week in order to provide the best support.

We appreciate your interest in Samho Boiler. Thank you.

**SAMHO Boiler Co., Ltd.**  
CEO LEE, GI WON



“Samho Boiler is changing as much as the world is changing”

## Single Incineration Boiler (SRS)

SRS (Smoke-Tube Boiler)



■ Capacity: 1.5 T/H\*1.0Mpa

■ Fuel : Waste fiber / Waste wood / paper / coal

### ➤ Economic efficiency

- 1) No fossil fuel is used.
- 2) The boiler's design for rated output wastes no incineration material.
- 3) As a modified form of smoke-tube packaged boiler, its lifespan is relatively longer.
- 4) A simple installation of the pollution prevention establishment is possible as it is close to complete combustion.

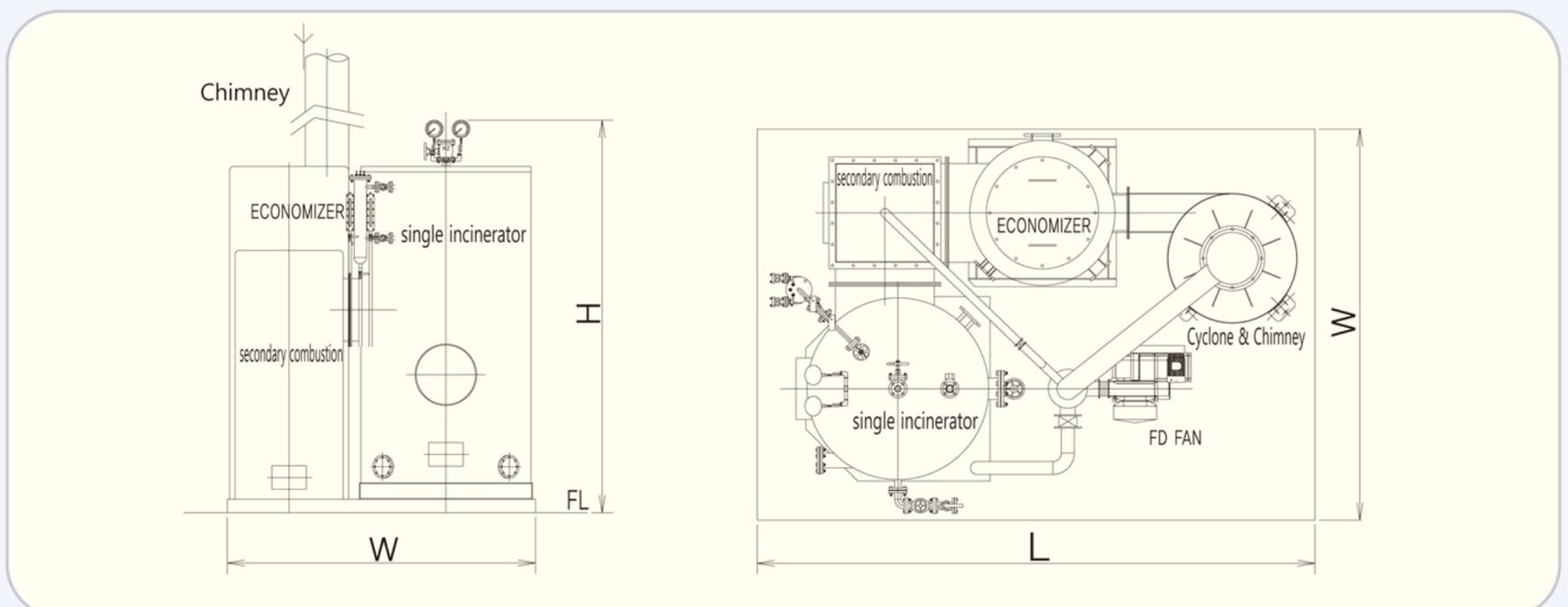
### ➤ Convenience

- 1) Automatic control on the panel.
- 2) Easy maintenance and repair by adopting a mechanical control system.
- 3) Failsafe mechanism heightening safety.
- 4) Easy handling by adopting operation tuned to load change.

### ➤ Place to use

Fiber / Dye Works / Socks fabricating plant /  
Laundry / Waste matter

## ■ Ground Plan



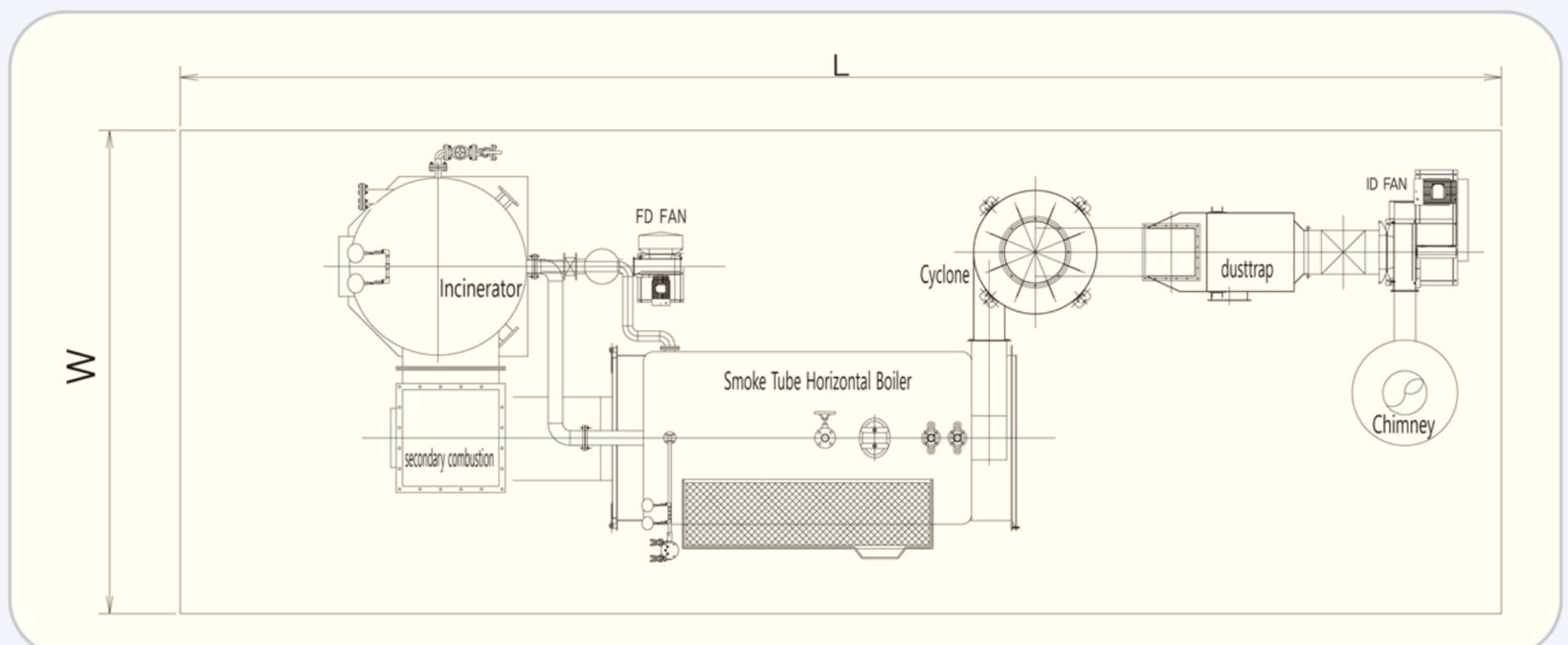
## Dual Incineration Boiler (SRS)

SRS (Smoke-Tube Boiler)



Capacity : 2.5 T/H\*1.0Mpa

### Ground Plan



# "Samho Boiler is changing as much as the world is changing"

## Specification

Division	Type	SRS - 50	SRS - 100	SRS - 150	SRS - 200	SRS - 250	SRS - 300	SRS - 500	
Proper Form of Evaporation	kg/hr	500	1,000	1,500	2,000	2,500	3,000	5000	
TYPE		Single				Dual			
Max. Working Pressure	kg/cm <sup>2</sup>	7 / 10							
	MPa	0.7 / 1.0							
Efficiency	%	80 or more							
Weight	ton	7.0	8.0	10	12	18	22	26	
Consumption Fuel	ton	Paper , Fiber , Wood , Coal , etc							
Waste Fiber	kg/hr	54	107	160	214	267	321	535	
Waste Wood	kg/hr	84	167	250	333	417	500	833	
Capacitance of Electric	Kw	9.0	12.5	17.2	21.2	29	37	48	
Main Steam Valve	A	40	50	65	80	80	80	125	
Progression Valve		25	25	25	40	40	40	40	
Drainage Valve		40	40	40	40	40	40	40	
Safty Valve		25	25	32	40	40	40	40×2	
Chimney	ømm	350	400	480	480	480	550	650	
Width	M	2.8	3.2	3.4	4.0	5.5	6.0	7.0	
Length		3.9	4.1	4.3	5.1	14.0	14.5	16.0	
Height		3.3	3.9	4.1	4.7	4.8	5.0	5.5	

- ※ Low-heating valve of incineration material
- ①Waste fiber: 29.3MJ/Nm<sup>3</sup>{7,000kcal/Nm<sup>3</sup>}, ②Waste Wood: 18.8MJ/Nm<sup>3</sup>{4,500kcal/Nm<sup>3</sup>},
- ※ The weight above is the sum of those of the incinerator and the boiler.
- ※ The incinerator and the boiler are integrated in case of less than 2 tons.
- ※ The installation specifications above are the maximum including the working space. (subject to change depending on place)
- ※ The specification above are subject to change for performance enhancement and technological improvement.

## Fuel cost from the installation of the incineration system

NO	Division	Amount used	Unit-cost for distribution	Fuel cost	Ratio
1	Diesel oil	135.1 kg/hr	KRW1,740 /kg	KRW 235,074/hr	100%
2	Heating oil	137.9 kg/hr	KRW1,450 /kg	KRW 199,955/hr	85%
3	Bunker oil	136.4 kg/hr	KRW1,200 /kg	KRW 163,680/hr	70%
4	Gas	140.6m <sup>3</sup> /hr	KRW 800 /m <sup>3</sup>	KRW 112,480/hr	48%
5	Wood	333 kg/hr	KRW150/kg	KRW 49,950/hr	21%
6	Fiber	214 kg/hr	KRW 40/kg	KRW 8,560/hr	4%

※ The cost could be reduced depending on how waste fiber is treated.

## ■ Major Product



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### Head Office & Factory

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