PT. INDIRA MITRA BOILER

COMPANY PROFILE

PT. INDIRA MITRA BOILER

Expert In Industrial Energy

021-35295874 | info@indira.co.id

www.indiramitraboiler.co.id

Emerald Residence Sepatan Ruko 8i, RT.026/005
Kosambi, Kec. Sukadiri, Kabupaten Tangerang, Banten, 15530

About Us

PT Indira Mitra Boiler is a company specializing in the industrial heating equipment sector, operating flexibly to meet the specific needs of customers while continuously improving product quality based on technical analysis and extensive experience in the sales of burners, pumps, piping systems, boilers, and industrial spare parts. We are committed to helping our customers improve operational efficiency by providing guidance and implementing the latest technologies, enabling them to minimize operational costs without compromising quality.

Visi

Our commitment is to become a leading company in the field of Engineering and Manufacturing, dedicated to upholding strong manufacturing traditions and delivering excellent services.

Misi

We build and maintain a team of experienced and highly qualified personnel, supported by state-of-the-art equipment and advanced fabrication processes.

IMB History

PT Indira Mitra Boiler was originally established under the name PT Indira Dwi Mitra in 2015. Initially, the company operated in the fabrication and sales of steam boilers, thermal oil boilers, and hot water boilers.

However, in 2023, PT Indira Dwi Mitra decided to change its name to PT Indira Mitra Boiler and expand its presence in the market.

Today, we are not only focused on boiler sales, but also on burners, pumps, piping systems, and other industrial spare parts. Through this approach, PT Indira Mitra Boiler is able to provide the best solutions for energy and utility industry needs throughout Indonesia.

Through reliable performance and a strong commitment to delivering excellent customer service, PT Indira Dwi Mitra earned the trust of clients across various industrial sectors.

Along with the name change to PT Indira Mitra Boiler in 2023, the company is expected to continue maintaining long-term relationships with customers who have previously placed their trust in PT Indira Dwi Mitra.

We also continuously strive to keep up with the latest technological developments in order to provide the most efficient and energy-saving solutions for our customers.

Product Categories

Burner

A burner is a device used to generate heat by burning specific types of fuel. We offer a wide range of burners from well-known brands in the industry, capable of meeting your operational needs, such as Riello, FBR, Weishaupt, and others. The burner brands we provide are well-tested and proven in quality, ensuring that you do not need to worry about the safety and reliability of the products you use.

Pump

A pump is a machine used to transfer or move liquids, such as water or chemicals, from one place to another using pressure. We offer a wide range of high-quality pumps designed to meet various operational needs, including well-known brands such as Sihi, KSB, and others.

Pipa

Fire tube pipes are a type of pipe used in boilers to channel hot gases produced from fuel combustion through the boiler system. We supply a variety of fire tube pipe brands, such as Benteler, Vallourec, Mannesmann, and others, to meet various industrial requirements.

Boiler

A boiler is a device used to produce steam or hot water by heating water or other working fluids using heat generated from fuels such as gas or oil. In addition to supplying boilers, we also provide after-sales services including boiler installation, maintenance, and repair.

Burner

Pump

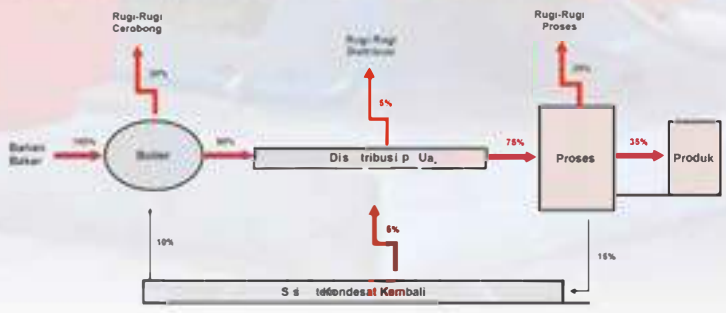
Pipes

Boiler

Energy Efficiency

IMB Boilers and Thermal Oil systems continuously improve in quality and have shown significant advancements over time in terms of technology, design, instrument accessories, materials, and pollution control by implementing the latest technologies. This enables the achievement of higher energy efficiency while also supporting regulatory policies and occupational health and safety (K3) standards to minimize negative environmental impacts. In addition, cost reductions can also be achieved by analyzing annual expenditure calculations or within a specific operational period.

A boiler is a closed vessel in which heat from combustion is transferred to water until it is converted into hot water or steam. The hot water or steam at a certain pressure is then used to transfer heat to a particular process. Water is a useful and economical medium for transferring heat in industrial processes. When water is heated and converted into steam, its volume increases approximately 1,600 times, producing a large amount of energy similar to explosive power. Therefore, a boiler is equipment that must be operated and maintained with great care. A boiler system generally consists of three main systems: the feedwater system, the steam system, and the fuel system. The feedwater system supplies water to the boiler automatically according to the required steam demand. Various valves are provided for maintenance and repair purposes. The steam system collects and controls the steam produced in the boiler. The steam is then distributed through a piping system to the points of use. Throughout the system, steam pressure is regulated using valves and monitored by pressure measuring instruments. The fuel system consists of all equipment used to supply fuel in order to generate the heat required for the boiler operation.



ENERGY Efficient

Efisiensi Pembangkit 80% → Efisiensi Distribusi = 83% (Termasuk Kondesate Kembali) → Efisiensi Pemanfaatan : 47%

Customer List

- PT. Akasha Wira International Tbk
- PT. Air Surya Radiator
- PT. Pertamina (Persero)
- PT. So Good Food Manufacturing
- PT. Indofood CBP Sukses Makmur Tbk
- PT. Dua Kelinci
- Sheraton Hotels & Resorts
- PT. Cargill Indonesia
- PT. Nipsea Paint and Chemicals
- PT. Posco M-Tech
- PT. Dahana Subang (Persero)
- BPPT (Badan Pengkajian dan Penerapan Teknologi)
- PT. Waskita EPC
- PT. MUJ Indonesia
- PT. Bukaka Teknik Utama
- Humpus Transportasi Kimia
- PT. Wasco
- Puspiptek Batan Teknologi
- RSUD Cengkareng
- Hotel Grand Zuri (Laundry)
- PT. Orica Mining Service
- Nusantara Terminal Terpadu
- PT. Aplus Pacific

- PT. Wijaya Triutama Plywood Industry
- PT. Energy Feeds Indonesia
- PT. Dahana Plant Subang
- PT. Maxima Tekindo Utama
- PT. Cakrawala Megah Cemerlang
- PT. Velasto Indonesia
- PT. Tiga Pilar Mitra Teknik
- PT. Aneka Teknik Mandiri
- PT. Empat Pilar Mitra Teknik
- PT. Effisiensi Globalindo
- PT. Inti Makmur Indonesia
- PT. Abadi Inti Makmur
- PT. Sahabat Utama Industri
- PT. Bangka Cakra Mandiri
- PT. Permata Lautan Mandiri
- PT. Armada Arta Graha
- PT. Rana Global
- PT. Berkat Matsya Nusantara
- PT. Cahaya Tirta Aroma
- PT. Buajeng Kalengan
- PT. Nohara Alta Indonesia

Customer List

batan

4PILAR

FAST IN ACTION

Cargill

VELASTO INDONESIA

APLUS
PT APLUS PASIFIC

ORSON

PT. ORSON INDONESIA
ORSON PROVIDES RELIABLE QUALITY PRODUCTS

RSUD Cengkareng

sahabatutama

BPPT
Badan Pengkajian Dan Penerapan Teknologi

WASCO
PT Widya Sapta Contractor

RANA GLOBAL

SO GOOD food

PERTAMINA

WASKITA

BUKAKA
PT. BUKAKA TEKNIK UTAMA

NOHARA
Link ideas. Build future.

Dahana

ENERGY FEEDS

ORICA
MINING SERVICES

PT. ARMADA HADA GRAHA

Grand Zuri

TIGAPILAR

posco
M-TECH

nusantara
terminal terpadu

General Catalogue

PT. INDIRA MITRA BOILER

Expert In Industrial Energy

Our Product :

- *Burner*
- *Pump*
- *Pipa Firetube*
- *Boiler*

021-35295874 | www.indiramitraboiler.co.id

STEAM GENERATOR
IMB300 to IMB5000

Technical Spesifications - Capacity and Consumption

TECHNICAL DATASHEET								
Features	Unit	IDM 300	IDM 500	IDM 1000	IDM 1500	IDM 2000	IDM 3000	IDM 5000
Steam production	Kg/h	300	500	1000	1500	2000	3000	5000
Max working pressure	bar	10-20	10-20	10-20	10-20	10-20	10-20	10-20
TOTAL ELECTRIC POWER								
Heavy fuel oil	KW	4,3	5,3	9,6	12,9	16,0	24,0	32
Natural gas or diesel oil	KW	2,3	2,3	4,6	5,9	7,0	12,0	18
FUEL CONSUMPTION AT 100% OF THE LOAD								
Heavy fuel oil	Kg/h	22	36	72	110	145	218	363
Natural gas	Nm_3/h	25	41	81.5	124.5	164	247	411
Diesel oil	kg/h	23	38	76	116	153	230	383
FUEL CALORIFIC POWER								
Heavy fuel oil	Kcal/kg	9500						
Natural gas	$Kcal/Nm_3$	8400						
Diesel oil	Kcal/kg	9000						
Standard electric power data	380 V / 50 Hz / 3 phases with neutral							
Auxiliaries voltage	220 V							

Vertical Steam Boiler

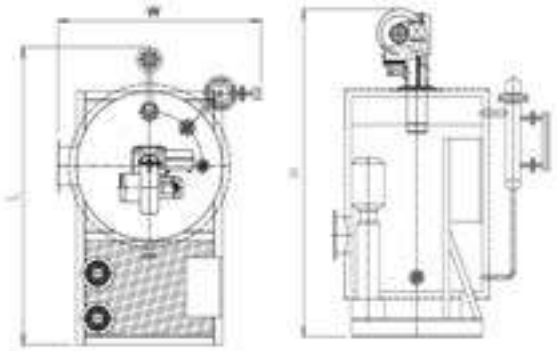
Fire Tube Boiler

021-35295874 | www.indiramitraboiler.co.id

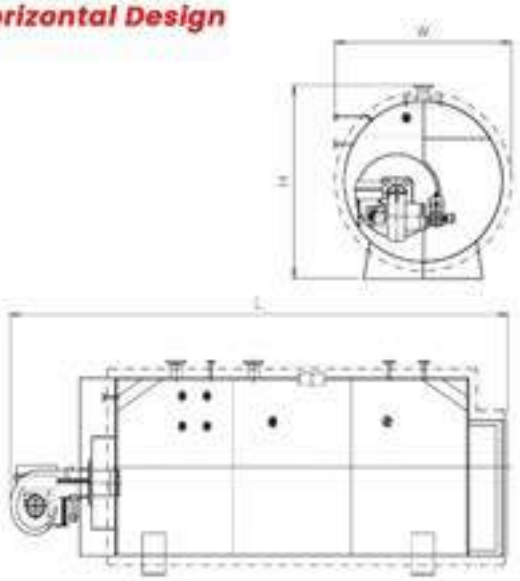
STEAM GENERATOR
IMB300 to IMB5000

Dimensions of flash coil steam generators IMB300-5000

Vertical Design



Horizontal Design

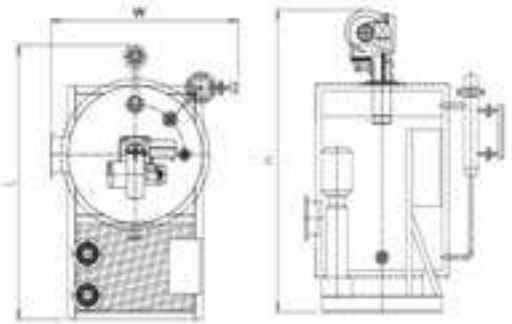


OVERALL DIMENSIONS AND CONNECTIONS OF STEAM GENERATORS IDM300-5000									
MODEL			IDM 300	IDM 500	IDM 1000	IDM 1500	IDM 2000	IDM 3000	IDM 5000
VERTICAL VERSION DIMENSIONS									
L	Length	mm	1650	1900	2200				
W	Width	mm	1080	1180	1600				
H	Height	mm	1950	2400	3050				
HORIZONTAL VERSION DIMENSIONS									
L	Length	mm			2400	2900	3550	4100	6450
W	Width	mm			1280	1400	1500	1750	2100
H	Height	mm			1650	1700	1850	2200	2260
GENERAL TECHNICAL DATA									
Stack connection		mm	250	250	320	385	385	485	485
Steam outlet		DN	25	40	50	65	80	100	125
		PN	16	16	16	16	16	16	16
Safety valve		DN	20/40	20/40	20/40	25/40	25/40	40/50	50/65
		PN	25/16	25/16	25/16	25/16	25/16	25/16	25/16
Natural gas connection			1"G	1 ½"G	2"G	2"G	2"G	2 ½"G	2 ½"G
Feed water inlet			1"G	1"G	1"G	1"G	1 ½"G	1 ½"G	2"G
Total volume		l	208	370	620/850	1100	2400	2710	3100
Pipes diameter		mm	60.3	60.3	60.3/50.8	50.8	50.8	50.8	50.8
Heating surface		m2	6	8.8	14	18	32	34	34
Empty weight		Kg	750	900	1100	2200	2800	3400	4300

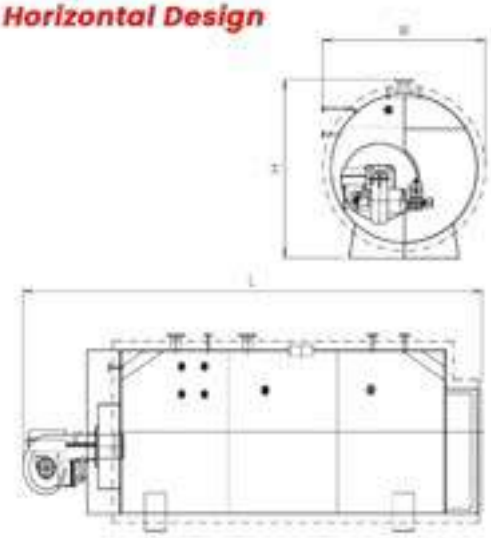
HOT WATER BOILER
IMB70 to IMB3000

Dimensions of flash coil steam generators IMB70-3000

Vertical Design



Horizontal Design

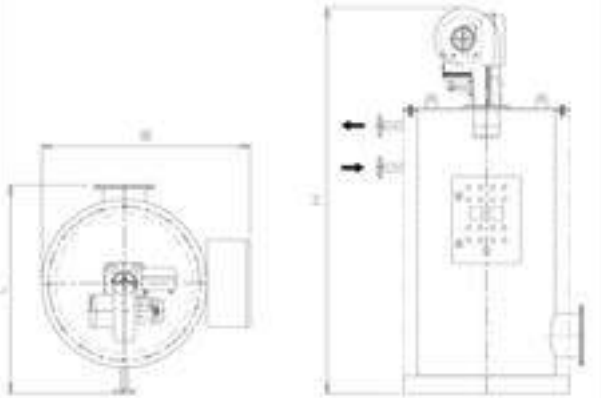


OVERALL DIMENSIONS AND CONNECTIONS OF STEAM GENERATORS IDM70-3000									
MODEL			IDM 70	IDM 200	IDM 500	IDM 1000	IDM 1500	IDM 2000	IDM 3000
VERTICAL VERSION DIMENSIONS									
L	Length	mm	1350	1650	1900	2200			
W	Width	mm	900	1080	1180	1600			
H	Height	mm	1850	1950	2400	3050			
HORIZONTAL VERSION DIMENSIONS									
L	Length	mm					2400	2900	3550
W	Width	mm					1280	1400	1500
H	Height	mm					1650	1700	1850
GENERAL TECHNICAL DATA									
Stack connection		mm	250	250	250	320	320	385	385
Steam outlet		DN	25	25	40	50	50	65	80
		PN	16	16	16	16	16	16	16
Safety valve		DN	20/40	20/40	20/40	20/40	20/40	25/40	25/40
		PN	25/16	25/16	25/16	25/16	25/16	25/16	25/16
Natural gas connection			1"G	1"G	1 ½"G	2"G	2"G	2"G	2"G
Feed water inlet			1"G	1"G	1"G	1"G	1"G	1"G	1 ½"G
Total volume		l	208	208	370	620/850	620/850	1100	2400
Pipes diameter		mm	60.3	60.3	60.3	60.3/50.8	60.3/50.8	50.8	50.8
Heating surface		m2	6	6	8.8	14	14	18	32
Empty weight		Kg	600	750	900	1100	1100	2200	2800

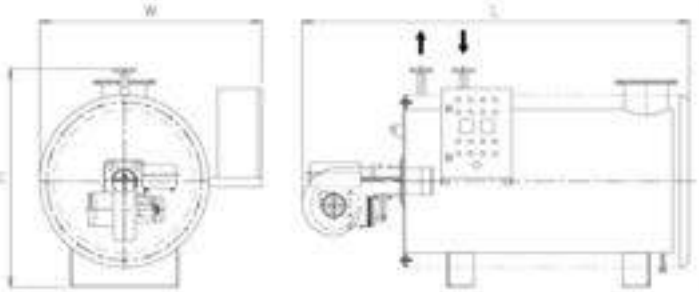
THERMAL OIL HEATER
TOH200 to TOH6000

Dimensions of flash coil Thermal Oil Heater TOH200-T6000

Vertical Design



Horizontal Design



OVERALL DIMENSIONS AND CONNECTIONS OF THERMAL OIL HEATER IDM200-6000

MODEL-TOH			200	400	600	800	1000	2000	3000	4000	5000	6000
VERTICAL VERSION DIMENSIONS												
L	Length	mm	1200	1450	1590							
W	Width	mm	970	1390	1550							
H	Height	mm	2200	2550	3100							
HORIZONTAL VERSION DIMENSIONS												
L	Length	mm	2200	2450	3000	3570	3950	5100	6500	6750	6940	7100
W	Width	mm	970	1390	1550	1830	1940	2690	2900	3050	3120	3260
H	Height	mm	1250	1460	1690	1950	2250	2750	2850	3000	3180	3390
GENERAL TECHNICAL DATA												
Thermal Capacity		Mcal/h	200	400	600	800	1000	2000	3000	4000	5000	6000
Stack conn.		mm	250	250	290	320	320	385	385	485	485	485
Oil Inlet/Outlet		DN	40	40	50	50	80	100	100	125	150	150
		PN	16	16	16	16	16	16	16	16	16	16
Natural gas conn.		Ø	1"G	1 ½"G	2"G	2"G	2"G	2 ½"G	2 ½"G	3 ½"G	4 ½"G	5 ½"G
Total volume		ltr	80	190	290	432	540	1200	1750	2300	3150	3870
Pipes diameter		mm	48.3	48.3	60.3	60.3	60.3	76.1	76.1	76.1	88.9	88.9
Empty weight		Kg	750	900	1100	2200	2800	3400	4300	4300	4300	4300

Burner Catalog

Gas Fuel



Light Oil Fuel



Heavy Oil Fuel



Dual Fuel Gas/Oil



Merek Burner

F.B.R. baltur RIELLO BURNERS KSB RAY INTERNATIONAL

BENTELER oilon -weishaupt- Olympia BEJO

021-35295874 | www.indiramitraboiler.co.id

Burner Catalog

Control Burner



Honeywell Burner Control



Globe Control Valve



Pompa Suntec



Merek Part

SIEMENS
Ingenuity for life

Honeywell

SUNTEC

Nippon Yakin Kogyo

SIHI

Beckett

Danfoss

021-35295874 | www.indiramitraboiler.co.id

Catalog

KSB Pump

SIHI Pump

Pipa Firetube Vallourec

Pipa Firetube Benteler

PT. INDIRA MITRA BOILER

Expert in industrial energy

021-35295874 | www.indiramitraboiler.co.id

Merk Produk

FBR
BURNERS MADE IN ITALY

f.l.d.a. s.r.l.
A Beckett Company

Honeywell

SIHI

KSB

Limpsfield

Nippon Yakin Kogyo

PF
Power Flame Inc.

MANNESMANN
STAINLESS TUBES

oilon

Olympia

UNIGAS

SIEMENS

RIELLO

Babcock
Wanson

WEBSTER
COMBUSTION
A Selas Heat Technology Company

WAYNE
ENTERPRISES

vallourec

-weishaupt-

Ecoflam

baltur

Danfoss

FABER
Burner Company

DUNPHY

Beckett

BENTELER

BEJO

Project Reverensi

Marine Area








Asphalt Mixing Plants







General Industry







021-35295874 | www.indiramitraboiler.co.id

PT. INDIRA MITRA BOILER

Expert In Industrial Energy

021-35295874 | info@indira.co.id