MİMSAN
ISI TEKNOLOJİSİ

PRODUCT CATALOGUE

MIMSAN HEATING TECHNOLOGIES

PRODUCT CATALOG


MİMSAN
GRUP


MİMSTAR

DOMESTIC PRODUCTION IN ENERGY INTERNATIONAL STANDARDS

MIMSAN GRUP, knowing that the development of alternative energy production models is possible by ensuring diversity and efficiency in energy resources, serves its customers with energy boilers and waste conversion plants by considering the increasing energy costs. MIMSAN GRUP has been developing products and systems at international standards with domestic production and domestic technology for 40 years, and also cares about leaving a livable nature for yesterday, today, and tomorrow with clean energy and environmentally sensitive designs. By determining the actual needs of its customers and offering them appropriate solutions, MİMSAN GROUP maintains the same devotion with its extensive after-sales service, close attention, and fast solutions. With the technologies developed for 40 years and the R&D studies, it contributes to the national economy by utilizing energy resources by burning all kinds of fuels (biomass, solid, liquid, gas, etc.).

Contents

References

ISTANBUL UNIVERSITY AVCILAR CAMPUS, ISTANBUL

5 pcs MGS 6000 - Liquid-Gas-Fuel, Integrated economizer Hot water boiler

MEVA SEHIR / UNSAL GROUP, ANKARA

5 pcs MGS 6500, 2 pcs MG 600 - Gas-Fuel, Three-Pass Hot Water Boiler

DAPYAPI ÇAMDIBI RESIDENTIAL PROJECT, IZMIR

MG 3000, 2500 - Gas-Fuel, Three-Pass Hot Water Boiler

ÖZYURTLAR INŞAAT, ISTANBUL

MG 1300 - Gas-Fuel, Three-Pass Hot Water Boiler

ISTANBUL FINANCE CENTER, ISTANBUL

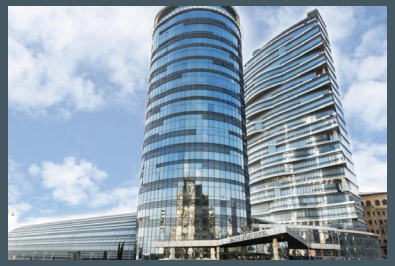
15 pcs MİMSTAR600 Premix Boiler, Condensing, Ground Hot Water Boiler

SEMERKAND INTERNATIONAL AIRPORT, UZBEKISTAN

MG 1750 - Gas-Fuel, Three-Pass Hot Water Boiler

INTERNATIONAL TURKMENBASHI PORT, TURKMENISTAN

MG 2500 - Gas-Fuel,
Three-Pass Hot Water Boiler



BAKU BOXING FEDERATION, AZERBAIJAN

MG 1500 - Gas-Fuel,
Three-Pass Hot Water Boiler

AHAL CITY PROJECT, TURKMENISTAN

MKBG 3000 - Gas-Fuel,
Two-Pass Hot Water Boiler

MARMARA UNIVERSITY RECEP TAYYİP ERDOĞAN SOCIAL COMPLEX, ISTANBUL

MGS 1250 - Liquid-Gas-Fuel,
Three-Pass Scotch Type Hot Water Boiler

ERZURUM CITY HOSPITAL ERZURUM

MG 4300 - Gas-Fuel, Three-Pass Hot Water Boiler

MOROVA CORRIDOR HIGHWAY, SERBIA

2 pcs Mobile Steam Power Plant (STEAMPACK) - 1250kg/h 8 Bar

BAKIRKOY COURTHOUSE,
ISTANBUL

MG 2500 - Gas-Fuel,
Three-Pass Hot Water Boiler

NEW ESKİŞEHİR STADIUM,
ESKİŞEHİR

MG 1000 - Gas-Fuel,
Three-Pass Hot Water Boiler

DİYARBAKIR STADIUM,
DİYARBAKIR

MG 1200, 600 - Gas-Fuel,
Three-Pass Hot Water Boiler

ALANYA COURTHOUSE,
ANTALYA

MG 900 - Gas-Fuel,
Three-Pass Hot Water Boiler

BARTIN NAVAL FORCES COMMAND,
BARTIN

MG 800, MSG 250 - Gas-Fuel,
Three-Pass Hot Water Boiler

KOCAELI PROVINCIAL SECURITY DIRECTORATE SERVICE BUILDING,
KOCAELİ

MG 600, MG 400 - Gas-Fuel,
Three-Pass Hot Water Boiler

TOKİ DİYARBAKIR OFFICER'S CLUB,
DİYARBAKIR

MG 2000 - Gas-Fuel,
Three-Pass Hot Water Boiler

MSB BALIKESİR MAINTENANCE SCHOOL TRAINING CENTER,
BALIKESİR

MGS 1500, MGS 1000 - Liquid-Gas-Fuel, Three-Pass Scotch Type Hot Water

PROVINCIAL SECURITY DIRECTORATE SERVICE BUILDING,
KAHRAMANMARAŞ

MG 2200, MG 400 - Gas-Fuel,
Three-Pass Hot Water Boiler

BEŞİKDÜZÜ TOKİ RESIDENCES,
TRABZON

MUGK 200 - Solid-Fuel,
Three-Pass Hot Water Boiler

KIZILAY BUILDING,
MALATYA

MG 1000 - Gas-Fuel,
Three-Pass Hot Water Boiler

MSB BORDER POSTS,
ŞANLIURFA

MG 2000 - Gas-Fuel, Three-Pass Hot Water Boiler

ATATURK STATE HOSPITAL,
BALIKESIR

MG 3500 - Gas-Fuel,
Three-Pass Hot Water Boiler

MEDİCANA INTERNATIONAL HOSPITAL,
IZMIR

MG 1750 - Gas-Fuel,
Three-Pass Hot Water Boiler

LÜTFİ KIRDAR STATE HOSPITAL,
ISTANBUL

MG 1750 - Gas-Fuel,
Three-Pass Hot Water Boiler

TUZLA STATE HOSPITAL,
ISTANBUL

MG 1500, MSKK 1520 - Gas-Fuel,
Three-Pass Hot Water Boiler

BATMAN GYNECOLOGY AND PEDIATRIC DISEASES HOSPITAL,
BATMAN

MG 2000, 1250, 1000 - Gas-Fuel,
Three-Pass Hot Water Boiler

ADANA STATE HOSPITAL,
ADANA

MG 1000, 600 - Gas-Fuel,
Three-Pass Hot Water Boiler

SAKARYA TRAINING AND RESEARCH HOSPITAL KORUCUK CAMPUS,
SAKARYA

MG 1500 - Gas-Fuel,
Three-Pass Hot Water Boiler

GEREDE STATE HOSPITAL,
BOLU

MG 1000 - Gas-Fuel,
Three-Pass Hot Water Boiler

IZMIR STATE HOSPITAL,
İZMİR

MG 1250 - Gas-Fuel,
Three-Pass Hot Water Boiler

CANAKKALE STATE HOSPITAL,
ÇANAKKALE

MG 900 - Gas-Fuel,
Three-Pass Hot Water Boiler

HAKKARİ ARMY HOSPITAL,
HAKKARİ

MG 1100 - Gas-Fuel,
Three-Pass Hot Water Boiler

ŞİLE TOKİ RESIDENCES,
ISTANBUL

MG 1300 - Gas-Fuel,
Three-Pass Hot Water Boiler

YESILYURT TOKİ RESIDENCES,
MALATYA

MSG 3000 - Gas-Fuel,
Three-Pass Hot Water Boiler

BIZMISEN TOKİ RESIDENCES,
ELAZIĞ

MSKK 1000 - Solid-Fuel,
Three-Pass Hot Water Boiler

YÜKSEKOVA POLICE LODGEMENTS,
HAKKARİ

MG 1500, 600 - Gas-Fuel,
Three-Pass Hot Water Boiler

PENDİK NAVAL MILITARY LODGEMENTS,
ISTANBUL

MG 700 - Gas-Fuel,
Three-Pass Hot Water Boiler

HARPUT KYK DORMITORY FOR GIRLS,
ELAZIĞ

MG 1500 - Gas-Fuel,
Three-Pass Hot Water Boiler

VOTORANTİM CEMENT FACTORY,
YOZGAT

MG 2500 - Gas-Fuel,
Three-Pass Hot Water Boiler

HAYAT KIMYA CORN FACTORY,
ISTANBUL

MSG 3000 - Gas-Fuel,
Three-Pass Hot Water Boiler

GÜNAY GIOGAS ENERGY PLANT,
DENİZLİ

MSKK 1000 - Solid-Fuel,
Three-Pass Hot Water Boiler

SİVAS NUMUNE HOSPITAL,
SİVAS

MG 1500, 600 - Gas-Fuel,
Three-Pass Hot Water Boiler

GÖLPAZARI PRISON,
BİLECİK

MG 1000 - Gas-Fuel,
Three-Pass Hot Water Boiler

ELAZIĞ TOKİ RESIDENCES,
ELAZIĞ

MSG 150, 120, 100 - Gas-Fuel,
Three-Pass Hot Water Boiler

KABATAŞ MAHMUTBEY METRO LINE,
ISTANBUL

MYK 700 - Gas-Fuel,
Three-Pass Hot Water Boiler

MSB İNŞAAT EMLAK,
ESKİŞEHİR

MSG 350 - Liquid-Gas-Fuel, Three-Pass Scotch Type Hot Water Boiler

DENİZLİ ÇAL TOKİ,
DENİZLİ

MUGK 90 - Solid-Fuel, Three-Pass Hot Water Boiler

MEDENİYET UNIVERSITY,
ISTANBUL

MG 1500, 1000 - Gas-Fuel, Three-Pass Hot Water Boiler

KARACABEY BIOGAS PLANT,
BURSA

MG 1000 - Gas-Fuel, Three-Pass Hot Water Boiler

SİNOP CLOSED PRISON,
SİNOP

MG 2000, 1250, 1000 - Gas-Fuel, Three-Pass Hot Water Boiler

RÖNESANS HOLDİNG MOBILE BOILER ROOMS,
ISTANBUL

MG 1000, 500 - Gas-Fuel, Three-Pass Hot Water Boiler

YOZGAT CEMENT FACTORY,
YOZGAT

MG 2500 + ECONOMIZER - Gas-Fuel, Three-Pass Hot Water Boiler

UŞAK KARAHANLI TOKİ,
UŞAK

MUGK 90 - Solid-Fuel, Three-Pass Hot Water Boiler

HİSTORİA AVM,
ISTANBUL

MGS SCOTCH 1453 KW - Gas-Fuel, Three-Pass Hot Water Boiler

F.S.M. UNI. ZEYTİNBURNU CAMPUS PROJECT,
ISTANBUL

MİMSTAR PREMIX 1290 KW - Burner-Operated Full-Condensing Ground Hot Water Boiler

KOCAELİ METROPOLITAN MUNICIPALITY INDOOR COLISEUM,
KOCAELİ

MSG 350 - Gas-Fuel, Three-Pass Hot Water Boiler

MEDİCANA INTERNATIONAL HOSPITAL,
İZMİR

MG 1750 - Gas-Fuel, Three-Pass Hot Water Boiler

YERLİ ÜRETİM
YÜKSEK VERİM
YERLİ TEKNOLOJİ

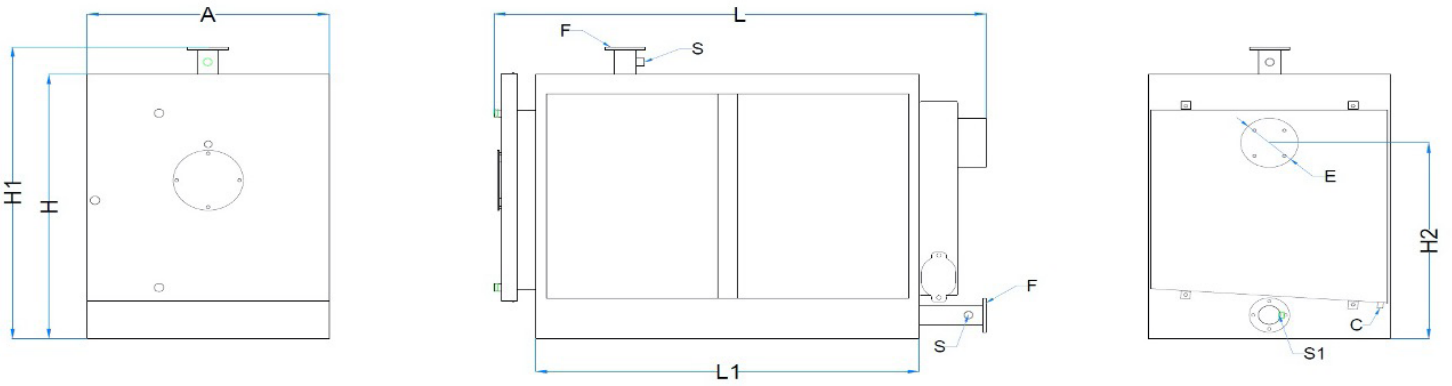
MYK - SELFDENS MODEL

GAS-FUEL SELF-CONDENSING FLOOR TYPE HOT WATER BOILER

MİMSAN MYK SELFDENS Series, which is specially designed for gas fired floor type self-condensing steel body boilers, central heating systems where operating economy comes to the fore with its high combustion efficiency and long service life, has operating temperatures in the range of 50/30 C, where the boilers reach the highest efficiency. The condensation energy formed in the third passage pipes of the boiler is transferred to the system with titanium alloy stainless steel pipes.

CHARACTERISTICS

- ▹ High combustion efficiency up to 105% (50/30°C)
- ▹ All surfaces where condensation occurs are 316 titanium alloy stainless steel material
- ▹ Special body design for the evacuation of condensate water
- ▹ Suitable for standard conduit burner use
- ▹ Microprocessor control panel that can be controlled to the burner and pump system
- ▹ Siemens Albatros Series RVS Model Control Panels offering comfort and economy together (Optional)
- ▹ Water-cooled valve system
- ▹ Standard operational pressure 4 Bar
- ▹ Full-cylindrical boiler body
- ▹ Body covered with electrostatic powder paint on galvanized sheet metal
- ▹Minimum standby losses with 80 mm thick mineral-based insulation material on the body and front cover
- ▹ Possibility to produce up to 8 bars on demand
- ▹ On-site installation
- ▹ 3.1 certified boiler Pipe compatible with 10217-2
- ▹ Compliance with national and international normsuygun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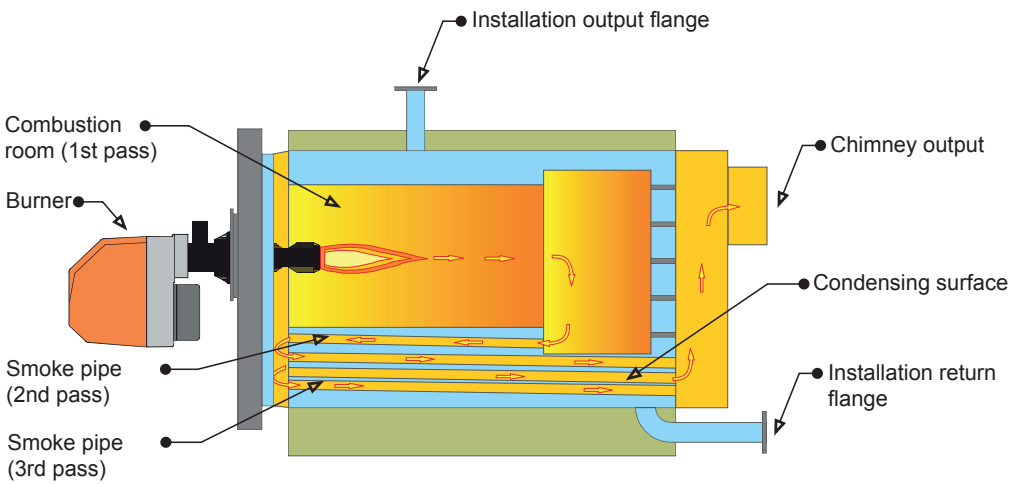

Installation output flange
Combustion room (1st pass)
Burner
Smoke pipe (2nd pass)
Smoke pipe (3rd pass)
Chimney output
Condensing surface
Installation return flange

Model			MYK 80	MYK 100	MYK 125	MYK 150	MYK 175	MYK 200	
Capacity		Kcal/h	80.000	100.000	125.000	150.000	175.000	200.000	
		kW	93	116	145	174	203	232	
Width	A	mm	957	957	966	966	966	1144	
Height	H	mm	1047	1047	1077	1077	1077	1248	
Height	H1	mm	1224	1224	1254	1254	1254	1425	
Length	L	mm	1570	1570	1689	1839	1989	1981	
Leg Height	L1	mm	987	987	1122	1272	1422	1414	
Chimney Diameter	E	mm	200	200	200	200	200	300	
Chimney Height	H2	mm	818	818	847	847	847	960	
Hot water return (PN 16)	F	DN	65	65	65	65	65	65	
Water volume		Lt.	292	292	324	374	424	630	
Weight without water		kg.	603	630	650	660	763	950	
Safety Return	S	"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	
Filling / Discharging	S1	"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	
Condensing drain	C	"	1"	1"	1"	1"	1"	1"	
Back-pressure		mbar	4,0	3,9	4,1	3,8	3,8	3,9	
Standard Operating Pressure		bar	4	4	4	4	4	4	
Chimney gas temperature		˚C	82	78	81	79	80	78	

	MYK 250	MYK 300	MYK 350	MYK 400	MYK 450	MYK 500	MYK 600	MYK 700	MYK 860
	250.000	300.000	350.000	400.000	450.000	500.000	600.000	700.000	860.000
	290	348	406	464	522	580	696	812	1000
	1144	1195	1195	1265	1265	1265	1446	1500	1510
	1248	1340	1340	1451	1451	1451	1654	1738	1716
	1425	1519	1519	1630	1630	1630	1839	1919	1897
	2051	2208	2438	2321	2421	2551	2497	2632	2887
	1484	1641	1871	1754	1854	1984	1930	2065	2320
	300	300	300	300	300	300	350	350	350
	960	1057	1057	1146	1146	1146	1349	1430	1411
	65	65	80	80	100	100	125	125	125
	767	870	990	1070	1130	1210	1550	1800	2050
	960	1130	1220	1280	1355	1440	1950	2140	2400
	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"
	1/2"	1/2"	1"	1"	1"	1"	1"	1"	1"
	1"	1"	1"	1"	1"	1"	1"	1"	1"
	4,1	4,2	4,4	4,6	4,7	4,2	4,3	4,2	4,4
	4	4	4	4	4	4	4	4	4
	76	76	78	78	75	79	85	88	89

YERLİ ÜRETİM
YÜKSEK VERİM
YERLİ TEKNOLOJİ

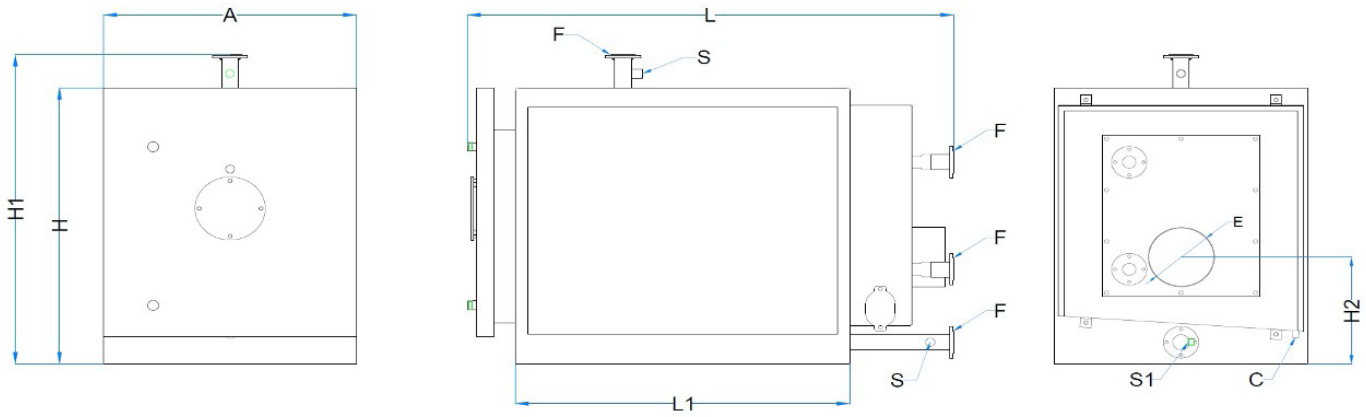
TYK – FULLDENS MODEL

GAS-FUEL GROUND FULL-CONDENSING BOILER

MİMSAN TYK FULLDENS Series, which is specially designed for gas-fuel ground full-condensing steel-body boilers, central heating systems where operating economy comes to the fore with its high combustion efficiency and long service life, has operating temperatures in the range of 50/30 C, where the boilers reach the highest efficiency. Condensation energy is transferred to the system through the economizer produced with titanium alloy stainless steel material and specially designed finned pipes located at the rear of the boiler.

CHARACTERISTICS

- ▹ High combustion efficiency up to 108% (50/30 C)
- ▹ All surfaces where condensation occurs are 316 titanium alloy stainless steel material
- ▹ Suitable for standard conduit burner use
- ▹ Microprocessor control panel that can be controlled to the burner and pump system
- ▹ Siemens Albatros Series RVS Model Control Panels offering comfort and economy together (Optional)
- ▹ Water-cooled valve system
- ▹ Standard operational pressure 4 Bar
- ▹ Full-cylindrical boiler body
- ▹ Body covered with electrostatic powder paint on galvanized sheet metal
- ▹ 80 mm thick mineral-based insulation material on the body and front cover
- ▹ On-site installation
- ▹ Environmentally friendly design with low Chimney gas emissions
- ▹ Compliance with national and international normsuygun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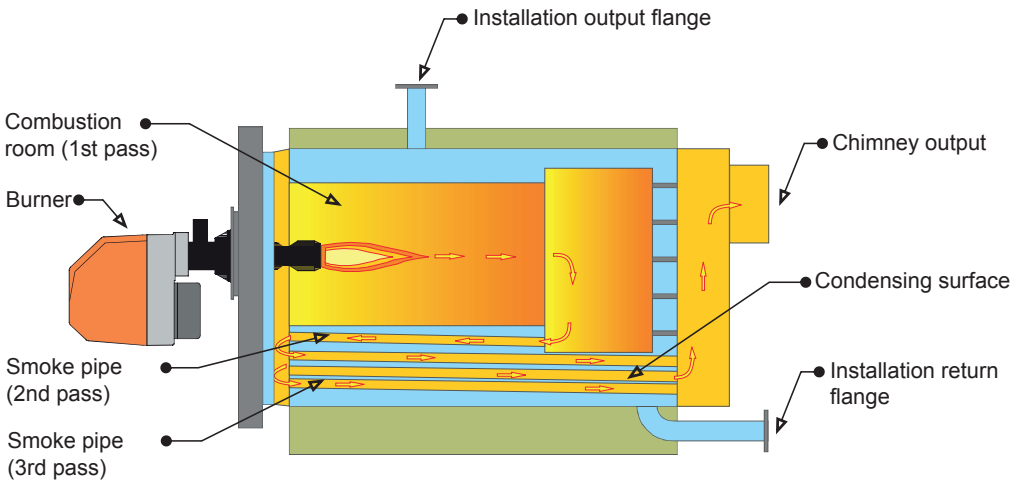

Installation output flange
Combustion room (1st pass)
Burner
Chimney output
Condensing surface
Smoke pipe (2nd pass)
Smoke pipe (3rd pass)
Installation return flange

Model			TYK 80	TYK 100	TYK 125	TYK 150	TYK 175	TYK 200	
Capacity		Kcal/h	80.000	100.000	125.000	150.000	175.000	200.000	
		kW	93	116	145	174	203	232	
Width	A	mm	957	957	966	966	966	1144	
Height	H	mm	1047	1047	1077	1077	1077	1248	
Height	H1	mm	1224	1224	1254	1254	1254	1425	
Length	L	mm	1590	1590	1722	1871	2021	2100	
Leg Height	L1	mm	990	990	1122	1272	1422	1414	
Chimney Diameter	E	mm	180	180	200	200	200	300	
Chimney Height	H2	mm	403	403	387	422	432	477	
Hot water return (PN 16))	F	DN	65	65	65	65	65	65	
Water volume		Lt.	292	292	324	374	424	630	
Weight without water		kg.	630	680	740	800	860	980	
Safety Return	S	"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	
Filling / Discharging	S1	"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	
Condensing drain	C	"	1"	1"	1"	1"	1"	1"	
Back-pressure		mbar	3,7	3,7	3,7	3,8	3,8	3,9	
Standard Operating Pressure		bar	4	4	4	4	4	4	
Chimney gas temperature		˚C	49	50	50	48	49	54	

TYK-TECHNICAL TABLE

	TYK 250	TYK 300	TYK 350	TYK 400	TYK 450	TYK 500	TYK 600	TYK 700	TYK 860
	250.000	300.000	350.000	400.000	450.000	500.000	600.000	700.000	860.000
	290	348	406	464	522	580	696	812	1000
	1144	1195	1195	1265	1265	1265	1446	1500	1510
	1248	1340	1430	1451	1451	1451	1654	1738	1716
	1425	1519	1519	1630	1630	1630	1839	1919	1897
	2175	2359	2589	2542	2642	2772	2725	2884	3052
	1484	1641	1871	1754	1854	1984	1930	2065	2320
	300	300	300	300	300	300	350	350	350
	477	577	560	656	656	656	720	867	710
	65	65	80	80	100	100	125	125	125
	677	870	990	1070	1130	1210	1550	1800	2050
	1040	1150	1300	1400	1500	1700	1900	2100	2600
	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"
	1/2"	1/2"	1"	1"	1"	1"	1"	1"	1"
	1"	1"	1"	1"	1"	1"	1"	1"	1"
	4,1	4,2	4,4	4,6	4,7	4,2	4,3	4,2	4,4
	4	4	4	4	4	4	4	4	4
	51	53	48	49	51	48	53	52	47

Liquid and Gas-Fuel Central Heating Systems

- MSG - MG Model Liquid- Gas-Fuel Three-Pass Hot Water Boiler
- MKBG Model Gas-Fuel Two-Pass (Counter-Pressure) Hot Water Boiler
- MGS Model Liquid- Gas-Fuel Three-Pass Scotch Type Hot Water Boiler

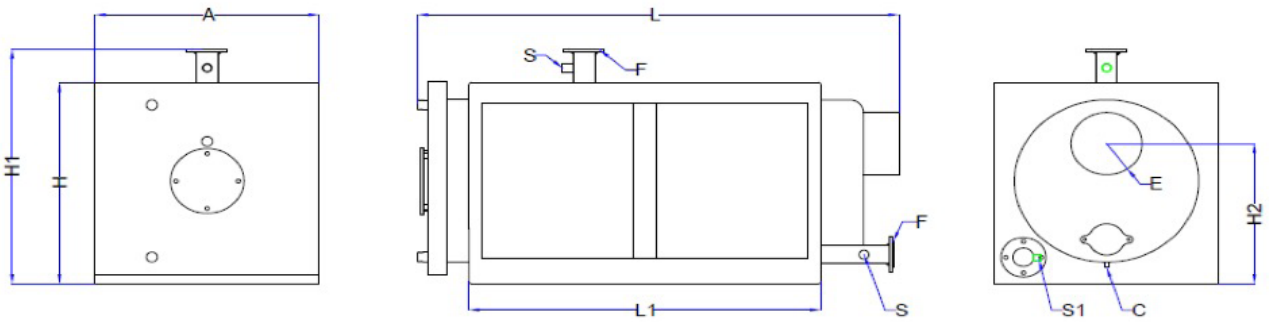
MSG-MG MODEL

LIQUID-GAS FUEL THREE-PASS HOT WATER BOILER

MİMSAN MSG-MG Series three-pass liquid and gas-fuel steel hot water boilers are specially designed for central heating systems with their high combustion efficiency, optimum Chimney gas emission values, silent operation and long service life.

CHARACTERISTICS

- ▹ High combustion efficiency up to 95%
- ▹ Window type flame breakers (Turbulators) in the second pass pipes
- ▹ Suitable for standard conduit burner use
- ▹ Microprocessor control panel that can be controlled to the burner and pump system
- ▹Siemens Albatros Series RVS Model Control Panels offering comfort and economy together (Optional)
- ▹ Water-cooled valve system
- ▹ Standard operational pressure 4 Bar
- ▹ Full-cylindrical boiler body
- ▹ Body covered with electrostatic powder paint on galvanized sheet metal
- ▹ 80 mm thick mineral-based insulation material on the body and front cover
- ▹ Possibility to produce up to 8 bars on demand
- ▹ On-site installation
- ▹ Except for the three-pass combustion chamber, inter-pass pipe bundle
- ▹ Compatibility with integrated and external stainless economizer applications
- ▹ 3.1 certified boiler Pipe compatible with 10217-2 norm
- ▹ Compliance with national and international norms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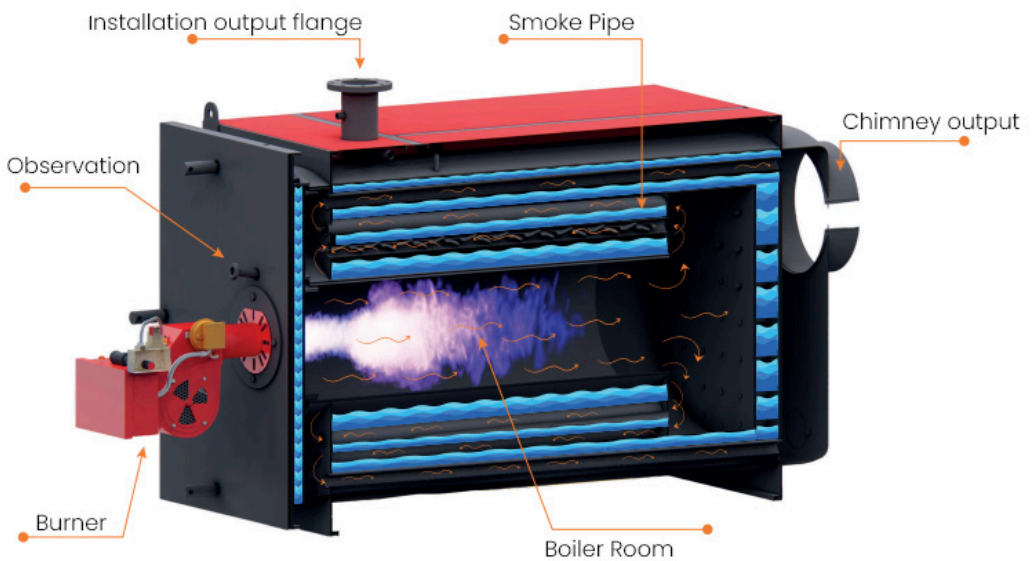

Installation output flange
Smoke Pipe
Chimney output
Observation
Burner
Boiler Room

Model			MSG 80	MSG 100
Capacity		Kcal/h	80.000	100.000
		kW	93	116
Width	A	mm	771	771
Height	H	mm	791	791
Height	H1	mm	968	968
Length	L	mm	1349	1429
Leg Height	L1	mm	782	882
Chimney Diameter	E	mm	200	200
Chimney Height	H2	mm	550	550
Output/Input (PN 16)	F	DN	65	65
Water volume		Lt.	118	135
Weight without water		kg.	425	460
Safety Return	S	inch	1 1/4"	1 1/4"
Filling / Discharging	S1	inch	1/2"	1/2"
Condensing drain	C	inch	1/2"	1/2"
Back-pressure		mbar	1,2	1,3
Standard Operating Pressure		bar	4	4

Model			MG 350	MG 400	MG 450	MG 500	MG 600	MG 700
Capacity		Kcal/h	350.000	400.000	450.000	500.000	600.000	700.000
		kW	407	464	522	580	696	812
Width	A	mm	1113	1113	1113	1113	1269	1269
Height	H	mm	1113	1133	1133	1133	1309	1309
Height	H1	mm	1312	1312	1312	1312	1490	1490
Length	L	mm	1908	2040	2140	2290	2287	2407
Leg Height	L1	mm	1355	1487	1587	1737	1734	1834
Chimney Diameter	E	mm	300	300	300	300	350	350
Chimney Height	H2	mm	849	849	849	849	945	945
Output/Input (PN 16)	F	DN	80	80	100	100	125	125
Water volume		Lt.	475	578	610	670	900	932
Weight without water		kg.	910	970	1030	1040	1390	1520
Safety Return	S	inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"
Filling / Discharging	S1	inch	1"	1"	1"	1"	1"	1"
Condensing drain	C	inch	1"	1"	1"	1"	1"	1"
Back-pressure		mbar	5	5,2	5,2	5,7	5,8	5,9
Standard Operating Pressure		bar	4	4	4	4	4	4

	MSG 125	MSG 150	MSG 175	MSG 200	MSG 250	MSG 300
	125.000	150.000	175.000	200.000	250.000	300.000
	145	174	203	232	290	348
	771	894	894	894	947	947
	791	914	914	914	967	967
	968	1091	1091	1091	1144	1144
	1529	1549	1629	1629	1879	2054
	982	982	1082	1082	1332	1487
	200	200	200	200	300	300
	550	665	665	665	670	670
	65	65	65	65	65	65
	138	240	260	251	354	376
	505	610	660	670	815	885
	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
	1,5	2,2	2,3	2,5	2,8	3
	4	4	4	4	4	4

	MG 800	MG 900	MG 1000	MG 1250	MG 1500	MG 1750	MG 2000	MG 2500	MG 3000	MG 3500
	800.000	900.000	1.000.000	1.250.000	1.500.000	1.750.000	2.000.000	2.500.000	3.000.000	3.500.000
	928	1044	1160	1453	1740	2030	2320	2900	3480	4060
	1269	1463	1463	1463	1654	1654	1654	1648	1782	1880
	1309	1483	1483	1483	1674	1674	1674	1688	1802	1900
	1490	1664	1664	1664	1855	1855	1855	1871	1985	2083
	2557	2549	2549	2754	3054	3354	3754	4060	5085	4612
	1984	1984	1984	2189	2484	2784	3184	3490	4515	3986
	350	500	500	500	500	500	500	500	500	500
	945	1078	1078	1078	1264	1264	1264	1279	1361	1510
	125	125	125	125	150	150	150	200	200	200
	996	1368	1385	1412	2088	2363	2731	2714	2731	2580
	1610	2010	2120	2290	3080	3520	3950	4480	5460	6440
	1 1/2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"
	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"
	6	5,2	5,2	5,8	5,8	6,2	6,7	6,5	6,8	7
	4	4	4	4	4	4	4	4	4	4

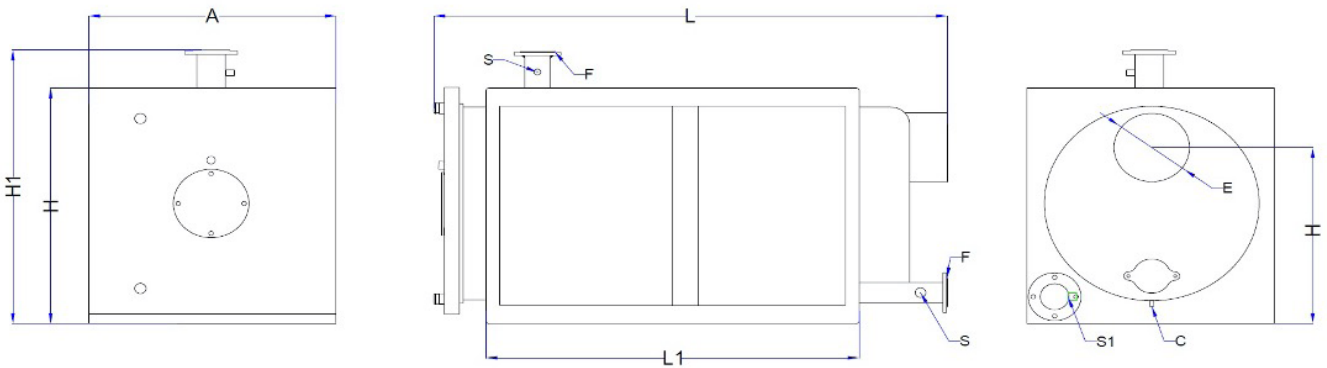
MKBG MODEL

GAS-FUEL TWO-PASS (COUNTER-PRESSURE) HOT WATER BOILER

Gas-fired steel hot water boilers, with their high combustion efficiency, low Chimney gas emission values, small dimensions, and long service life, have a two-pass design with MİMSAN MKBG Series (counter pressure) specially designed for central heating systems.

CHARACTERISTICS

- ▹ High combustion efficiency up to 95%
- ▹ Window type flame breakers in the pipes (Turbulators)
- ▹ Suitable for long conduit burner use
- ▹ Microprocessor control panel that can be controlled to the burner and pump system
- ▹ Siemens Albatros Series RVS Model Control Panels offering comfort and economy together (Optional)
- ▹ Water-cooled valve system
- ▹ Standard operational pressure 4 Bar
- ▹ Full-cylindrical boiler body
- ▹ Body covered with electrostatic powder paint on galvanized sheet metal
- ▹ Minimum standby losses with 80 mm thick mineral-based insulation material on the body and front cover
- ▹ Possibility to produce up to 8 bars on demand
- ▹ On-site installation
- ▹ 3.1 certified boiler Pipe compatible with 10217-2
- ▹ Compliance with national and international norms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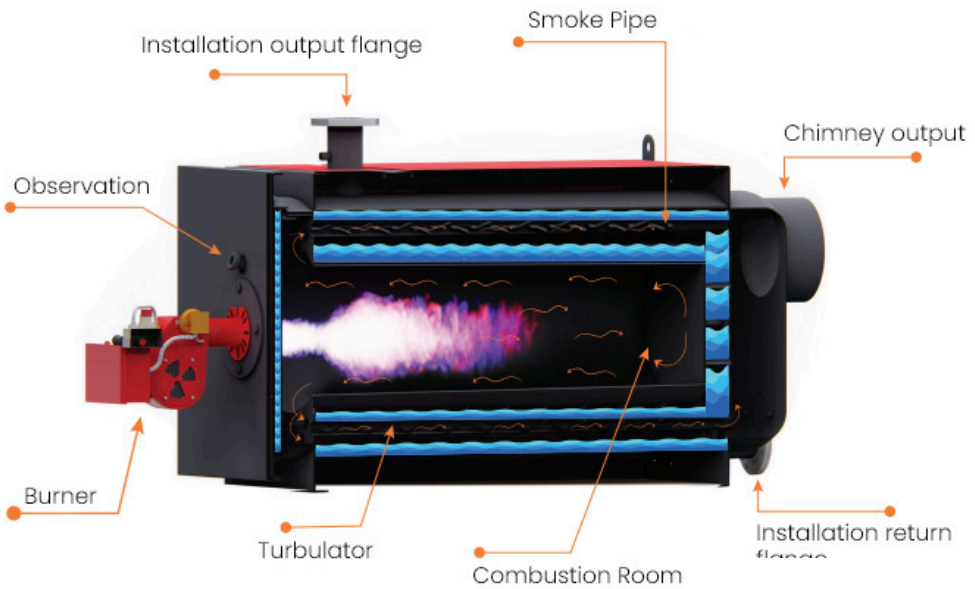

Installation output flange
Smoke Pipe
Chimney output
Observation
Burner
Turbulator
Combustion Room
Installation return

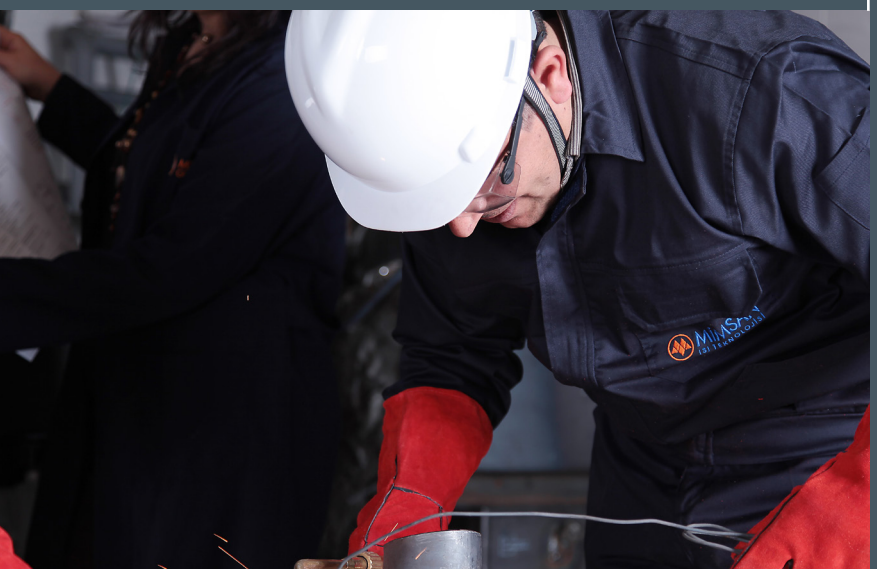
Model			MKBG 80	MKBG 100	MKBG 125	MKBG 150	MKBG 175	MKBG 200	MKBG 250	MKBG 300
Capacity		Kcal/h	80.000	100.000	125.000	150.000	175.000	200.000	250.000	300.000
		kW	93	116	145	174	203	233	291	349
Width	A	mm	707	707	707	757	757	757	880	880
Width	H	mm	757	757	757	807	807	807	930	930
Width	H1	mm	933	933	933	983	983	983	1107	1107
Height	L	mm	1299	1299	1539	1544	1744	1744	1744	2039
Length	L1	mm	742	742	982	987	1187	1187	1187	1482
Chimney Diameter	E	mm	200	200	200	200	200	200	300	300
Chimney Height	H2	mm	547	547	547	597	597	597	670	670
Hot water return (PN 16)	F	DN	65	65	65	65	65	65	65	65
Water volume		Lt.	118	118	145	160	191	185	285	350
Weight without water		kg.	320	330	390	440	480	490	610	680
Safety Return	S	"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Filling / Discharging	S1	"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Condensing drain	C	"	1"	1"	1"	1"	1"	1"	1"	1"
Back-pressure		mbar	0,5	1,2	1,3	2,2	2,5	3,3	3	2,8
Standard Operating Pressure		bar	4	4	4	4	4	4	4	4

	MKBG 350	MKBG 400	MKBG 450	MKBG 500	MKBG 600	MKBG 700	MKBG 800	MKBG 900	MKBG 1000	MKBG 1250	MKBG 1500
	350.000	400.000	450.000	500.000	600.000	700.000	800.000	900.000	1.000.000	1.250.000	1.500.000
	407	465	523	581	698	814	930	1047	1163	1453	1744
	880	984	984	984	1140	1140	1140	1192	1192	1260	1273
	930	1034	1034	1034	1160	1160	1160	1212	1212	1280	1293
	1107	1211	1211	1211	1341	1341	1341	1341	1393	1461	1364
	2039	1939	1939	2039	2311	2311	2561	2564	2761	3316	3561
	1482	1384	1384	1482	1734	1734	1984	1987	2170	2725	2994
	300	300	300	300	350	350	350	500	500	500	500
	670	772	772	772	864	864	864	813	813	897	898
	80	80	100	100	125	125	125	125	125	125	150
	330	383	371	396	620	586	660	740	760	1035	1052
	740	820	850	910	1190	1250	1420	1515	1630	2130	2360
	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"
	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"
	2,5	3	3,5	4,3	3,8	5,2	5,4	5,7	5,7	6,5	7,3
	4	4	4	4	4	4	4	4	4	4	4

MGS MODEL

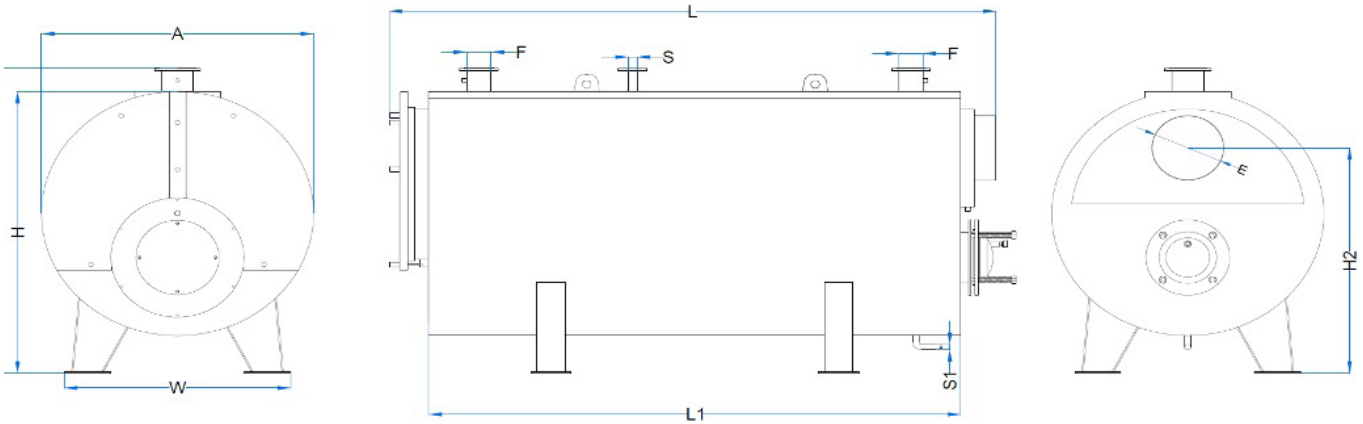
LIQUID-GAS FUEL THREE-PASS SCOTCH TYPE HOT WATER BOILER

MİMSAN MGS Series three-pass liquid and gas-fuel steel hot water boilers, scotch type MGS MODEL, which offers trouble-free operation, high combustion efficiency and low Chimney gas emission values, are specially designed for central heating systems.



CHARACTERISTICS

- ▹ High combustion efficiency up to 95%
- ▹ Window type flame breakers (Turbulators) in the second pass pipes
- ▹ Suitable for standard conduit burner use
- ▹ Microprocessor control panel that can be controlled to the burner and pump system
- ▹ Siemens Albatros Series RVS Model Control Panels offering comfort and economy together (Optional)
- ▹ Standard operating pressure 4 bar
- ▹ Full-cylindrical boiler body
- ▹ Aluminum embossed sheet coating
- ▹ 80 mm thick mineral-based insulation material on the body
- ▹ Possibility to produce up to 10 bars on demand
- ▹ On-site installation
- ▹ Except for the three-pass combustion chamber, inter-pass pipe bundle
- ▹ Ease of installation and maintenance with the walkable top plate of the boiler
- ▹ Openable front doors without the need to disassemble the burner
- ▹ Return water orientation plate
- ▹ 3.1 certified boiler Pipe compatible with 10217-2 norm
- ▹ Compliance with national and international norms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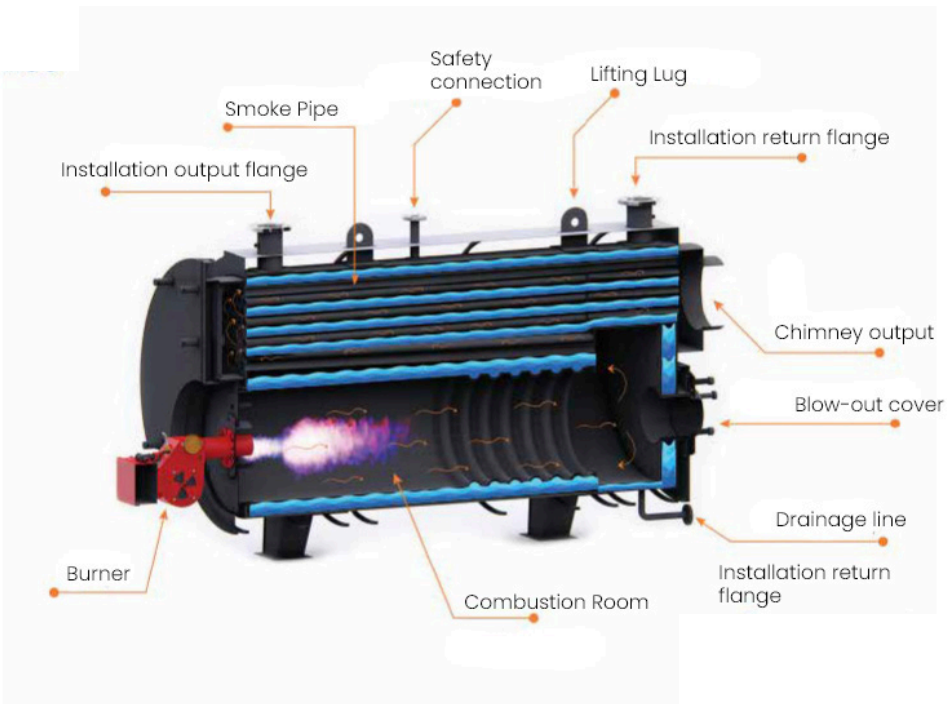

Safety connection
Lifting Lug
Smoke Pipe
Installation return flange
Installation output flange
Chimney output
Blow-out cover
Drainage line
Burner
Installation return flange
Combustion Room

Model			MGS 1000	MGS 1250	MGS 1500	MGS 1750	MGS 2000	MGS 2250	
Capacity		Kcal/h	1.000.000	1.250.000	1.500.000	1.750.000	2.000.000	2.250.000	
		kW	1163	1453	1744	2035	2326	2616	
Width	A	mm	1680	1680	1809	1809	1870	1892	
Height	H	mm	1971	1971	2099	2099	2116	2182	
Height	H1	mm	2177	2176	2283	2286	2346	2368	
Length	L	mm	2720	2924	3515	3915	3915	3919	
Leg width	W	mm	1572	1572	1572	1572	1572	1572	
Leg Height	L1	mm	2194	2394	2994	3394	3394	3398	
Chimney Diameter	E	mm	500	500	500	500	500	500	
Chimney Height	H2	mm	1536	1535	1664	1664	1725	1746	
Input/output (PN 16)	F	DN	125	125	150	150	150	200	
Water volume		Lt.	1879	1955	2894	3443	3844	3739	
Weight without water		kg.	2710	2900	3330	4200	4830	5110	
Safety valve	S	inch	1 1/4"	1 1/4"	1 1/2"	1 1/2"	2"	2"	
Filling / Discharging	S1	inch	1"	1"	1"	1"	1 1/4"	1 1/4"	
Counter-pressure		mbar	5,4	6,0	6,0	6,4	6,9	6,6	
Standard Operating Pressure		bar	4	4	4	4	4	4	

	MGS 2500	MGS 2750	MGS 3000	MGS 3500	MGS 3800	MGS 4000	MGS 4500	MGS 5000	MGS 6000	MGS 7000
	2.500.000	2.750.000	3.000.000	3.500.000	3.800.000	4.000.000	4.500.000	5.000.000	6.000.000	7.000.000
	2907	3198	3488	4070	4419	4651	5233	5814	6977	8140
	1892	1892	2002	2110	2152	2152	2244	2292	2292	2696
	2182	2182	2292	2402	2442	2442	2535	2582	2582	2791
	2368	2368	2473	2583	2625	2625	2718	2754	2754	3039
	4219	4619	4524	5251	5145	5345	5747	6811	6811	6877
	1572	1572	1572	1914	1914	1914	1914	1936	1936	1757
	3698	4098	4724	4730	4626	4826	5226	6200	6200	6180
	500	500	500	500	600	600	600	600	600	600
	1746	1746	1884	1964	1956	1956	2049	2096	2096	5054
	200	200	200	200	200	200	200	250	250	250
	4096	4593	5589	6684	7292	7292	8369	10141	10141	13700
	5620	6100	6750	7575	8020	8440	9500	11020	11200	14560
	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3"	3"	4"
	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
	6,7	7,0	7,0	7,0	7,1	7,2	7,2	7,4	8,7	9,5
	4	4	4	4	4	4	4	4	4	4

Solid-Fuel Central and Individual Heating Systems

- MSK Model Solid-Fuel Three-Pass Automatic Load (Stoker) Hot Water Boiler
- MÜGK Model Solid-Fuel Three-Pass Manual Load Hot Water Boiler
- Göknar Series Pellet-Fuel Hot Water Boiler
- BK Model Solid-Fuel Four-Pass Manual Load Floor Heater
- MTBK Model Solid-Fuel Three-Pass Manual Load Floor Heater
- KM Model Solid-Fuel Three-Pass Automatic Load (Stoker) Floor Heater

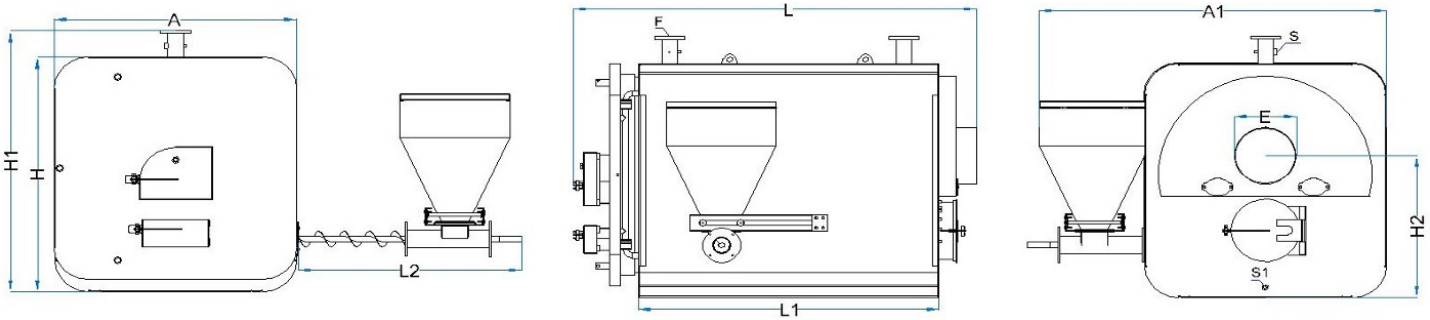
MSK MODEL

SOLID-FUEL THREE-PASS AUTOMATIC LOAD HOT WATER BOILER

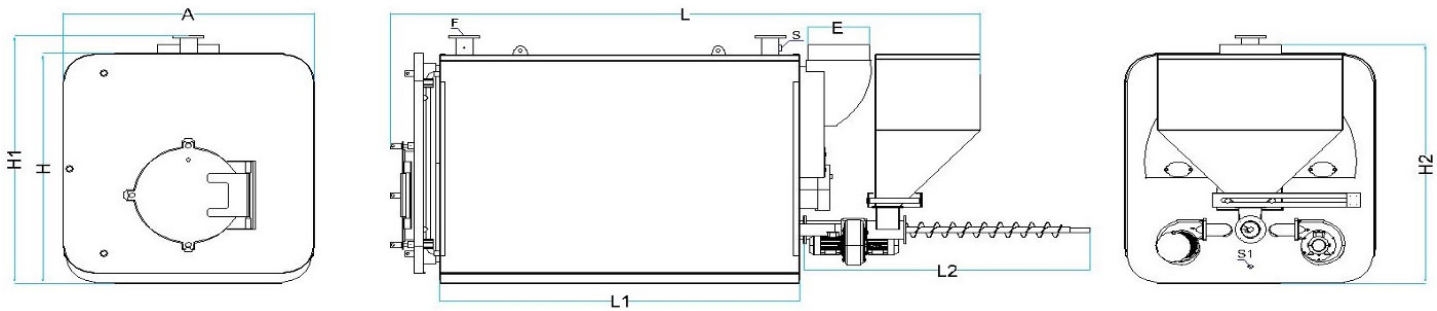
MİMSAN MSK Series, which is specially designed for three-pass, solid-fuel, automatic loading (stoker) steel hot water boilers, central heating systems with low operating costs and long service life, fuel is loaded by means of a helix from the bottom, while the combustion continues from the base. Thanks to the special design of the helix loading system, the passage of smoke from the spiral pipe to the bunker is prevented and efficient combustion is ensured. While the modularly designed ladle system provides ease of assembly/disassembly, the chrome folded into the casting at certain rates ensures the resistance of the ladle system to high temperatures.

CHARACTERISTICS

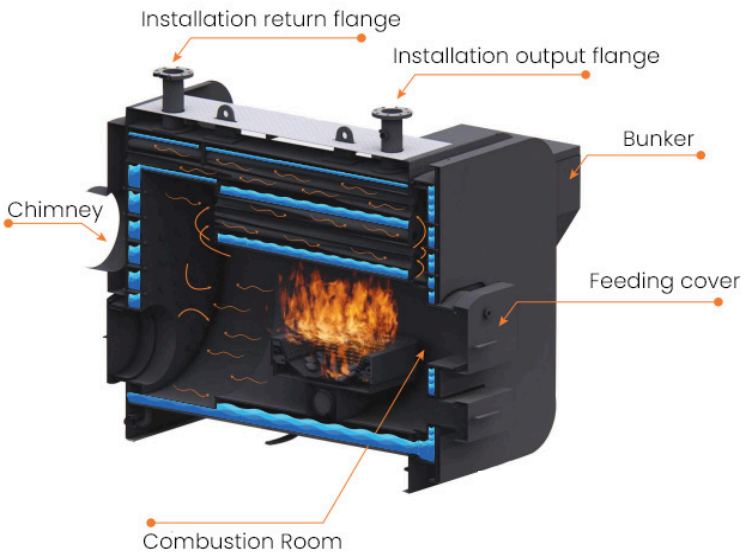
- ▹ High combustion efficiency up to 85%
- ▹ Window type flame breakers (Turbulators) in the smoke pipes
- ▹ Environmentally friendly design with low gas emission values
- ▹ Protection against all kinds of external factors with steel construction in prismatic structure
- ▹ Aluminum embossed sheet body coating
- ▹ Water-cooled valve system
- ▹ Standard operational pressure 4 Bar
- ▹ Possibility to produce up to 8 bars
- ▹ Full-cylindrical boiler body
- ▹ High-technology production techniques
- ▹ Except for the three-pass combustion chamber, inter-pass pipe bundle
- ▹ 1Use of 3.1 certified boiler Pipe compatible with 10217-2 norm
- ▹ Movable and detachable bunker to prevent coal jams hareketli ve sökülebilir bunker
- ▹ Broad service network
- ▹ Compliance with national and international normsuygunluk



TECHNICAL DRAWING VALID FOR THE GROUPS BETWEEN MSK 200-600.



TECHNICAL DRAWING VALID FOR THE GROUPS BETWEEN MSK 700-1000.



Model			MSK 200	MSK 250	MSK 300	MSK 350	
Capacity		Kcal/h	200.000	250.000	300.000	350.000	
		kW	233	291	349	407	
Width	A	mm	1412	1412	1512	1664	
Width	A1	mm	2102	2102	2277	2434	
Height	H	mm	1514	1514	1613	1768	
Height	H1	mm	1709	1709	1818	1979	
Length	L	mm	2155	2432	2504	2329	
Leg Height	L1	mm	1468	1745	1759	1584	
Helix Egression Distance	L2	mm	1558	1558	1558	1702	
Chimney Diameter	E	mm	350	350	350	400	
Hot water return (PN 16)	H2	mm	1006	1006	1055	1082	
Water volume	F	DN	65	65	65	100	
Weight without water		Lt.	710	855	1051	1171	
Weight without water		kg.	1830	2110	2250	2410	
Bunker Capacity		Lt.	400	400	400	400	
Safety Return	S	"	1"	1"	1 1/4"	1 1/4"	
Filling / Discharging	S1	"	1"	1"	1 1/4"	1 1/4"	
Fan Model		ERF	ERF3	ERF3	ERF4	ERF4	
Fan Flow Rate		m^3	1900	1900	2500	2500	
Reductor Power		kW	0,75	0,75	1,1	1,1	
Fan and Reductor Operating Voltage (Three-phase)		V	380	380	380	380	
Operating pressure		bar	4	4	4	4	

	MSK 400	MSK 450	MSK 500	MSK 600	MSK 700	MSK 800	MSK 1000
	400.000	450.000	500.000	600.000	700.000	800.000	1.000.000
	465	523	581	698	814	930	1163
	1664	1755	1755	1755	1877	1877	1877
	2434	2525	2525	2525	-	-	-
	1768	1860	1860	1994	1973	1973	1973
	1979	2070	2070	2164	2187	2184	2184
	2599	2359	2689	2929	4144	4474	5074
	1854	1794	1944	2184	2344	2674	3274
	1702	1702	1702	1702	3180	3465	3905
	400	450	450	450	500	500	500
	1082	1127	1127	1127	2076	2076	2076
	100	100	100	100	125	125	125
	1409	1529	1678	1600	2271	3630	3282
	2690	3050	3180	3400	4310	4720	5500
	400	400	400	400	750	750	900
	1 1/4"	1 1/4"	1 1/4"	1 1/4"	2"	2"	2"
	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
	ERF4	ERF5	ERF5	ERF5	ERF4 (2 ad)	ERF4 (2 ad)	ERF5 (2 ad)
	2500	3500	3500	3500	2500	2500	3500
	1,1	1,1	1,1	1,1	1,1	1,1	1,1
	380	380	380	380	380	380	380
	4	4	4	4	4	4	4

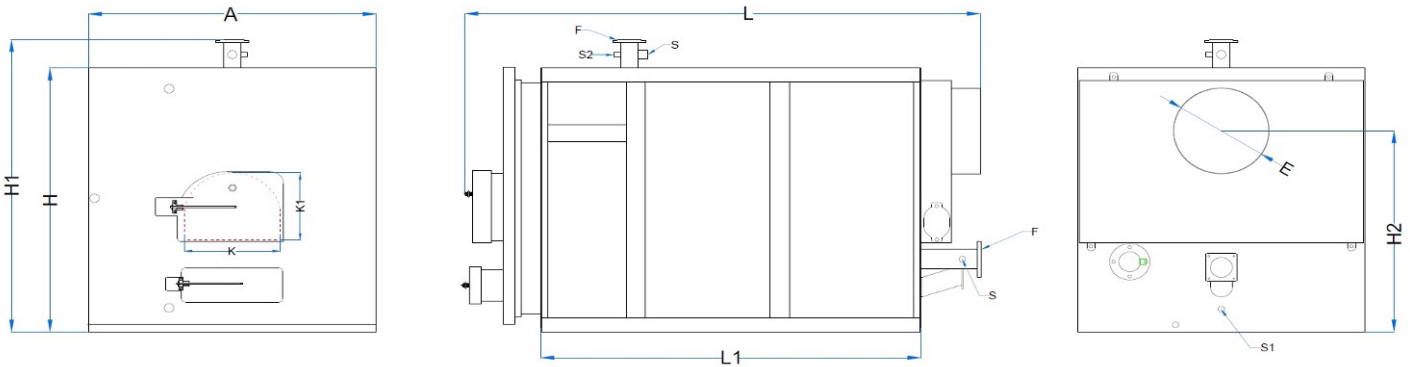
MÜGK MODEL

SOLID-FUEL THREE-PASS MANUAL-LOAD HOT WATER BOILER

MİMSAN MÜGK Series Solid-Fuel Manual-Load Hot Water Boilers, which provide maximum heat transfer and fuel savings by distributing the heat obtained equally to all surfaces with its three-pass design, are produced as three-pass. Combustion air is provided by a thermostat-controlled fan.

CHARACTERISTICS

- ▹ High combustion efficiency up to 85%
- ▹ Window type flame breakers (Turbulators) in the smoke pipes
- ▹ Environmentally friendly design with low gas emission values
- ▹ Protection against all kinds of external factors with steel construction in prismatic structure
- ▹ Covering with electrostatic powder paint on galvanized sheet metal
- ▹ Water-cooled valve system
- ▹ Water-cooled grid system
- ▹ Standard operational pressure 4 Bar
- ▹ Possibility to produce up to 8 bars
- ▹ Full-cylindrical boiler body
- ▹ High-technology production techniques
- ▹ Except for the three-pass combustion chamber, inter-pass pipe bundle
- ▹ Use of 3.1 certified boiler Pipe compatible with 10217-2 norm
- ▹ Broad service network
- ▹ Compliance with national and international norms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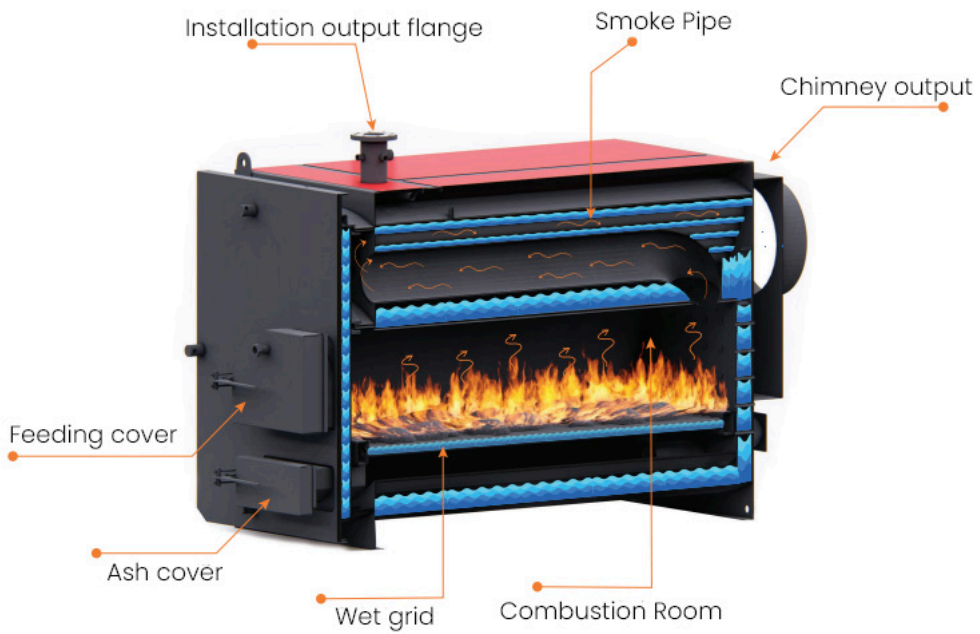

Installation output flange
Smoke Pipe
Chimney output
Feeding cover
Ash cover
Wet grid
Combustion Room

Model			MÜGK 80	MÜGK 100	MÜGK 125	MÜGK 150	MÜGK 175	MÜGK 200	
Capacity		Kcal/h	80.000	100.000	125.000	150.000	175.000	200.000	
		kW	93	116	145	174	203	233	
Width	A	mm	1040	1040	1040	1150	1150	1150	
Height	H	mm	1140	1140	1140	1190	1190	1190	
Height	H1	mm	1317	1317	1317	1367	1367	1367	
Length	L	mm	1467	1667	1667	1873	1873	2073	
Leg Height	L1	mm	787	987	987	1187	1187	1387	
Chimney Diameter	E	mm	250	250	250	250	250	250	
Chimney Height	H2	mm	844	844	844	951	951	951	
Hot water return (PN 16)	F	DN	65	65	65	65	65	65	
Water volume		Lt.	268	324	310	510	489	638	
Weight without water (Standard bar)		kg.	690	790	810	960	1010	1090	
Safety Return	S	inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	
Filling / Discharging	S1	inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	
Indicator sleeve	S2	inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	
Fan Model			ERF2 RS	ERF2 RS	ERF2 RS	ERF2 RS	ERF2 RS	ERF2	
Coal Loading Cover Size	K x K1		504*296	504*296	504*296	504*296	504*296	504*296	

	MÜGK 250	MÜGK 300	MÜGK 350	MÜGK 400	MÜGK 450	MÜGK 500	MÜGK 600	MÜGK 700	MÜGK 800
	250.000	300.000	350.000	400.000	450.000	500.000	600.000	700.000	800.000
	291	349	407	465	523	581	698	814	930
	1347	1347	1347	1500	1500	1500	1780	1780	1780
	1397	1397	1398	1536	1536	1536	1810	1810	1810
	1574	1574	1574	1714	1701	1701	1991	1991	1991
	2178	2178	2453	2438	2438	2688	2730	2730	3060
	1484	1484	1739	1732	1732	1982	1984	1984	2314
	300	300	300	500	500	500	580	580	580
	1146	1146	1146	1170	1170	1170	1342	1342	1342
	65	65	65	80	100	100	125	125	125
	786	720	852	1074	1030	1172	1790	1656	1923
	1430	1540	1710	2070	2200	2350	2930	3100	3380
	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"
	1/2"	1"	1"	1"	1"	1"	1"	1"	1"
	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
	ERF2	ERF2	ERF3	ERF3	ERF3	ERF3	ERF4	ERF4	ERF5
	500*392	500*392	500*392	500*392	500*392	500*392	500*392	500*392	500*392

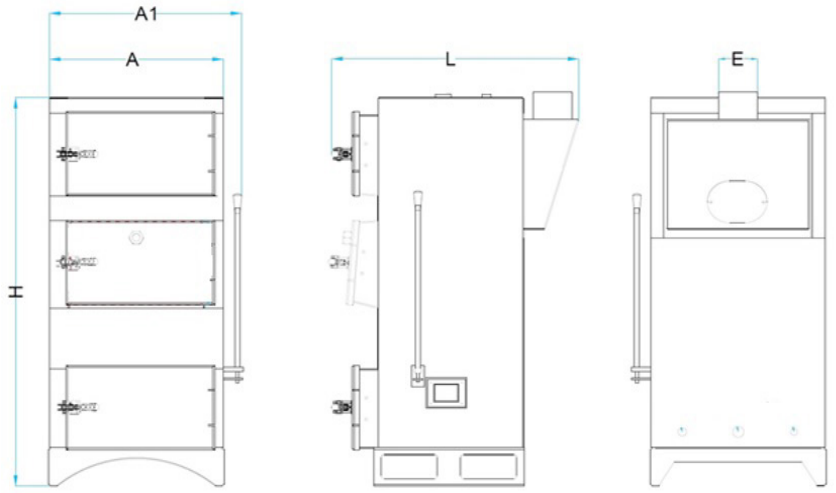
BK MODEL

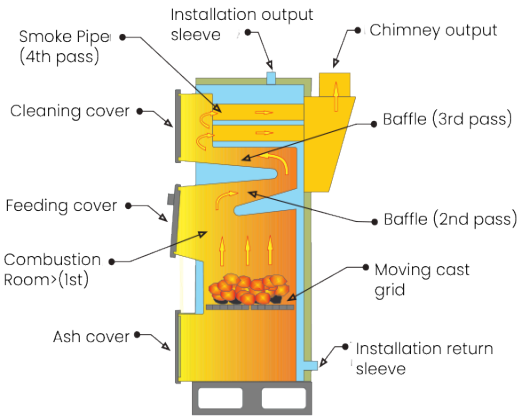
SOLID-FUEL MANUAL-LOAD FLOOR HEATER

MİMSAN BK Series is designed to burn low-calorie domestic coal and wood type fuels with high efficiency and environment-friendly thanks to its four-pass design, is produced in 3 different types in the capacity range of 25,000 Kcal/h (29 Kw) and 60,000 Kcal/h (70 Kw). Thanks to the fan-controlled combustion system, the rate of unburned coal is very low, since all of the fuel is in contact with the air. As with other products, maximum heat transfer and fuel savings are achieved by distributing the heat obtained equally to all surfaces.

CHARACTERISTICS

- ▹ High combustion efficiency up to 80%
- ▹ Large combustion chamber suitable for coal, lignite and wood burning
- ▹Ease of loading and ignition with wide fuel feed neck
- ▹ Adjustable covers with specially designed lid handle and hinge structure
- ▹ Fire safety and smoke tightness with locked cover handle
- ▹ Environmentally friendly design with low gas emission values
- ▹ Protection against all kinds of external factors with steel construction in prismatic structure
- ▹ Protection against all kinds of external factors with steel construction in prismatic structure
- ▹ Covering with electrostatic powder paint on galvanized sheet metal
- ▹ Standard operational pressure 2 Bar
- ▹ Ease of cleaning thanks to the plate design (baffle) between the passes
- ▹ Ease of shaking and ash discharge with movable cast grate
- ▹ Use of 3.1 certified boiler Pipe compatible with 10217-2 norm
- ▹ Frequency controlled, energy efficient, circulation pumps
- ▹ Broad service network
- ▹ High-technology production techniques
- ▹ Compliance with national and international normsT





Model			BK 25	BK 40	BK 60
Capacity		Kcal/h	25.000	40.000	60.000
		kW	29	47	70
Pressure		Bar	2	2	2
Grate room (thickness)		mm	4	4	4
Envelope (Thickness)		mm	3	3	3
Width	A	mm	558	558	629
Width	A1	mm	625	625	688
Height	H	mm	1270	1270	1504
Length	L	mm	804	928	980
Weight without water		kg	240	270	360
Chimney Diameter	E	mm	130	170	170

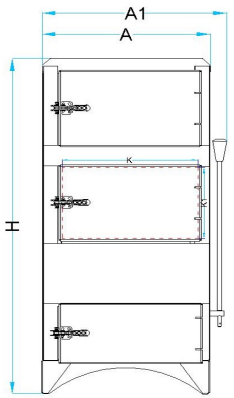
MTBK MODEL

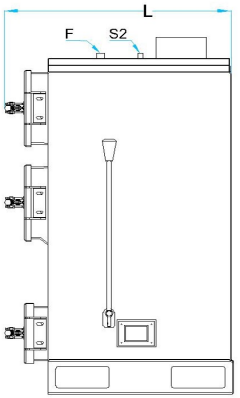
SOLID-FUEL THREE-PASS MANUAL-LOAD FLOOR HEATER

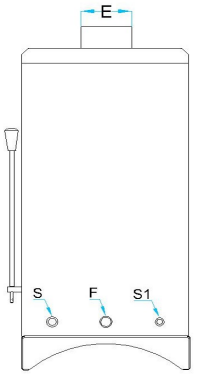
MİMSAN MTBK series ensures that the heat is distributed equally on all surfaces, is produced as a solid-fuel four-pass full-baffle with manual loading room heater. There are 3 different types of production in the capacity range of 30,000 Kcal/h (35 Kw) and 60,000 30,000 Kcal/h (70 Kw). Thanks to its design, it can burn low-calorie domestic coal and wood type fuels in a highly efficient and environmentally friendly manner. Thanks to the fan-controlled combustion system, the rate of unburned coal is very low. It provides fuel saving thanks to maximum heat transfer.

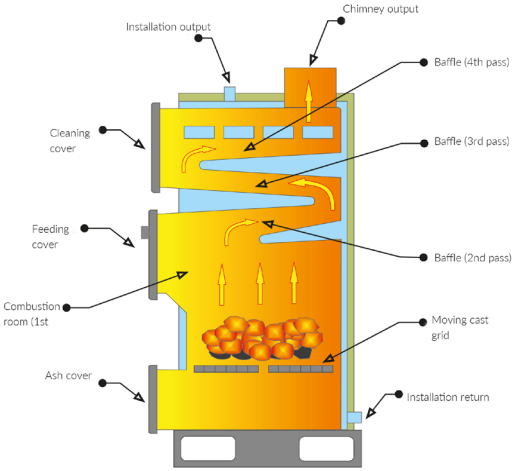
CHARACTERISTICS

- ▹ High combustion efficiency up to 80%
- ▹ Large combustion chamber suitable for coal, lignite and wood burning
- ▹ Ease of fuel loading, ash discharge and cleaning with three separate cover designs
- ▹ Ease of loading and ignition with wide fuel feed neck
- ▹ Adjustable covers with specially designed lid handle and hinge structure
- ▹ Fire safety and smoke tightness with locked cover handle
- ▹ Environmentally friendly design with low gas emission values
- ▹ Protection against all kinds of external factors with steel construction in prismatic structure
- ▹ Covering with electrostatic powder paint on galvanized sheet metal
- ▹ Standard operational pressure 2 Bar
- ▹ Ease of cleaning thanks to the plate design (baffle) between the passes
- ▹ Ease of shaking and ash discharge with movable cast grate
- ▹ Use of 3.1 certified boiler Pipe compatible with 10217-2 norm
- ▹ Frequency controlled, energy efficient, circulation pumps
- ▹ Broad service network
- ▹ High-technology production techniques
- ▹ Compliance with national and international norms uygunluk









Model			MTBK 30	MTBK 45	MTBK 60
Kapasite		Kcal/h	30.000	45.000	60.000
		Kw	35	52	70
Width	A	mm	563	563	634
Width	A1	mm	625	625	696
Height	H	mm	1263	1313	1584
Length	L	mm	635	760	760
Chimney Diameter	E	mm	130	170	170
Hot water return	F	inch	1"	1 1/4"	1 1/2"
Safety Return	S	inch	3/4"	3/4"	3/4"
Filling / Discharging	S1	inch	1/2"	1/2"	1/2"
Indicator sleeve	S2	inch	1/2"	1/2"	1/2"
Fuel Loading Cover	K x K1	mm	422x253	422x253	492x285
Water volume		Lt.	48	88	140
Weight without water		kg.	265	325	450
Fan Model			125/60	125/60	140/60
Fan Flow Rate		m^3	250	380	590
Fan Engine Power		watt	84	84	137
Operation voltage (single-phase)		V	220	220	220
Circulation Pump Model		Wilo	25/6	25/7	25/7
Pump Operation voltage (single-phase)		V	220	220	220
Pump Power		watt	45	45	45
Pump Connection Diameter		inch	1"	1"	1"
Operating pressure		bar	2	2	2

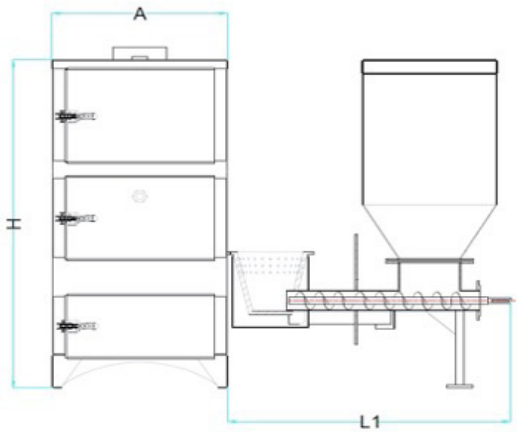
KM MODEL

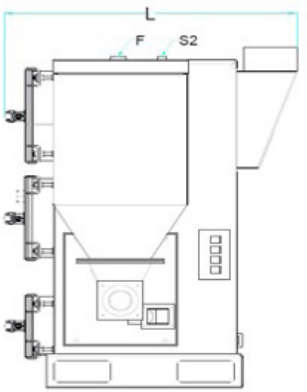
SOLID-FUEL AUTOMATIC-LOAD FLOOR HEATER

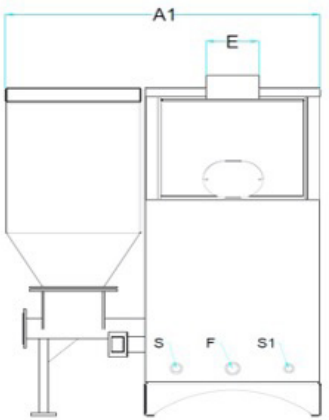
Thanks to its three-pass design, MİMSAN CONFORMATIC Series floor heaters with automatic loading with solid fuel, which are designed to burn low-calorie domestic coal and wood type fuels in a highly efficient and environmentally friendly manner, are produced as semi-cylindrical and three-pass. There are 7 different types of production in the capacity range of 25,000 Kcal/h (29 Kw) and 150,000 Kcal/h (174 Kw). Thanks to the fan-controlled combustion system, the rate of unburned coal is very low, since all of the fuel is in contact with the air. An efficient combustion is ensured with the special design of the spiral system and the fan-controlled combustion system.

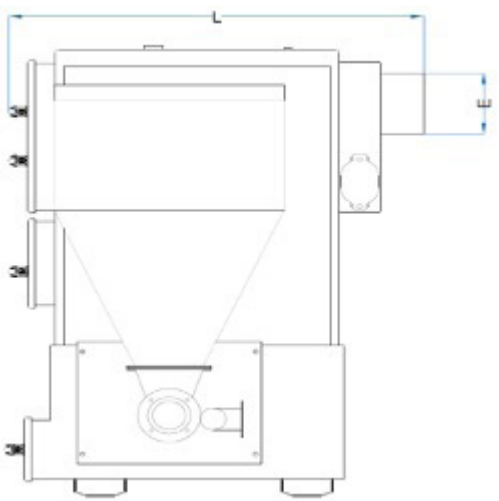
CHARACTERISTICS

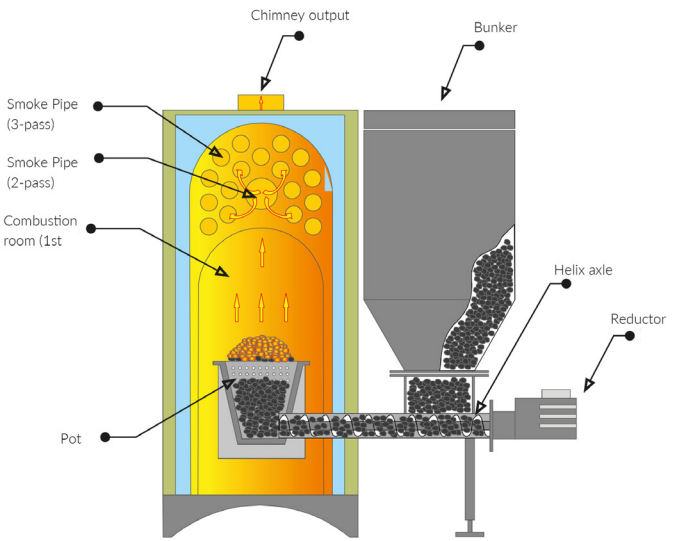
- ▹ High combustion efficiency up to 82%
- ▹ Suitable for burning nut charcoal with dimensions of 10-25 mm
- ▹ Ease of fuel loading, ash discharge and cleaning with three separate cover designs
- ▹ Adjustable covers with specially designed lid handle and hinge structure
- ▹ Fire safety and smoke tightness with locked cover handle
- ▹ Specially designed chrome alloy casting ladle
- ▹ Environmentally friendly design with low gas emission values
- ▹ Protection against all kinds of external factors with steel construction in prismatic structure
- ▹ Covering with electrostatic powder paint on galvanized sheet metal
- ▹ Standard operational pressure 2 Bar
- ▹ Half-cylindrical boiler body
- ▹ Ease of maintenance with detachable bunker
- ▹ Switch that provides forward-backward movement on the reductor for coal jams
- ▹ Window type flame breakers (Turbulators) in the smoke pipes
- ▹ Frequency controlled, energy efficient, circulation pumps
- ▹ Use of 3.1 certified boiler Pipe compatible with 10217-2 norm
- ▹ Broad service network
- ▹ High-technology production techniques
- ▹ Compliance with national and international norms











*CHİMNEY CONNECTION FOR KM 80 AND OVER IS AS SHOWN IN THE FIGURE.

Model			KM 25	KM 40	
Capacity		Kcal/h	25.000	40.000	
		kW	29	47	
Width	A	mm	560	560	
Width	A1	mm	1004	1004	
Height	H	mm	1222	1222	
Length	L	mm	808	933	
Çıkma	L1	mm	904	904	
Chimney Diameter	E	mm	125	170	
Hot water return	F	"	1"	1 1/4"	
Water volume		Lt.	47	85	
Weight without water		kg.	310	340	
Bunker Capacity		Lt.	120	120	
Safety Return	S	inch	3/4"	3/4"	
Filling / Discharging	S1	inch	1/2"	1/2"	
Indicator sleeve	S2	inch	1/2"	1/2"	
Fan Model			125/60	125/60	
Fan Flow Rate		m^3	275	700	
Reductor Power		kW	0,37	0,37	

	KM 60	KM 80	KM 100	KM 125	KM 150
	60.000	80.000	100.000	125.000	150.000
	70	93	116	145	174
	660	706	706	767	767
	1272	1366	1366	1450	1450
	1448	1578	1578	1836	1836
	973	980	1130	1443	1643
	1124	1124	1256	1410	1410
	170	170	170	250	250
	1 1/2"	2"	2"	2 1/2"	2 1/2"
	133	185	234	320	362
	490	560	700	970	1090
	260	310	310	450	450
	3/4"	3/4"	3/4"	3/4"	3/4"
	1/2"	1/2"	1/2"	1/2"	1/2"
	1/2"	1/2"	1/2"	1/2"	1/2"
	140/60	160/60	160/60	ERF2 RS	ERF2 RS
	700	1600	1600	2000	2000
	0,37	0,37	0,75	0,75	0,75

Liquid and Gas-Fuel Steam Boilers

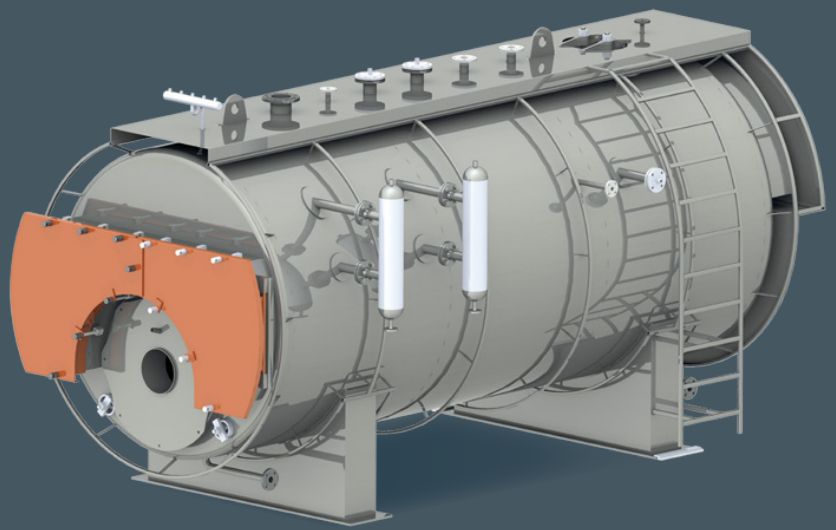
- MSBK Model Flame Smoke-Pipe Liquid-Gas Fuel Scotch Type Steam Boiler
- SteamPack -Integrated Steam Power Plant

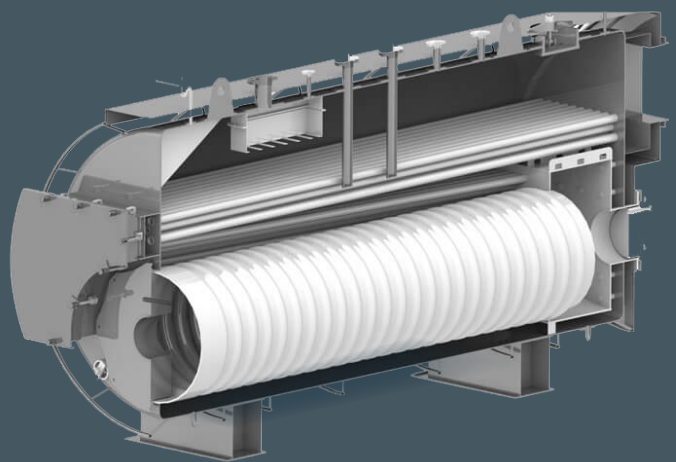
YERLİ ÜRETİM
YÜKSEK VERİM
YERLİ TEKNOLOJİ

MSBK MODEL

FLAME SMOKE-PIPE LIQUID-GAS FUEL SCOTCH TYPE STEAM BOILER

Mimsan manufactures three-pass flame/smoke tube boilers in accordance with EN12953 standards for applications with natural gas, LNG, Diesel, Fuel Oil fuels, liquid and gas-fuel applications with a capacity range of 500 Kg / h - 5,000 Kg / h.





CHARACTERISTICS

- Steam production capacity between 500 Kg / h - 5.000 Kg / h
- Operating pressure between 4 and 22 bar
- Liquid and gas-fuel
- Balanced water-steam volume ratio and design suitable for instant steam draught
- Low combustion room load (< 1,3 MW/m3)
- Boiler efficiency up to 91%, efficiency up to 95% in economizer applications
- Ease of assembly and intervention thanks to the application of walking platform on the boiler
- Reduced radiation and boiler standby losses thanks to the coating of the boiler body with high-density insulation material
- Use of 3.1 certified steel draught Pipe compatible with 10216-2 norm
- High-technology production techniques
- Compliance with national and international norms uygunluk

STEAMPACK MODEL

LIQUID-GAS-FUEL COMPACT DEGASSER INTEGRATED STEAM POWER PLANT

Fuel: Liquid-Gas Capacity: Mimsan STEAMPACK series of 500 kg/h-5000kg/h Package tp back pressure steam boilers, produced in accordance with EN 12953 standard, has been specially designed and is offered as standard in a monoblock package, the patent of which belongs to Mimsan.

CHARACTERISTICS

- Thanks to the specially designed compact degasser, the dissolved gases in the feed water are degassed and the risk of corrosion is eliminated.
- Thanks to STEAMPACK's special design, which ensures that the system efficiency is kept at 93%, the boiler outlet temperature drops below 100 °C with maximum gas transfer from the Chimney gas
- Thanks to STEAMPACK's special design, which ensures that the system efficiency is kept at 93%, the boiler outlet temperature drops below 100 °C with maximum gas transfer from the Chimney gas
- With the remote access feature, the status of the system can be controlled and intervened from anywhere from the mobile device.
- Thanks to the tandem water softening system included in the standard package, the backwash feature is flow-and can provide uninterrupted soft water. Thus, the useful life of the boiler is extended
- Steam production is tested on the factory site, STEAMPACK packages offer ease of assembly and confidence to users. If desired, customers can accompany during the test or request supervision by an accredited institution on their behalf
- The STEAMPACK package, which is delivered as assembled on the chassis, provides easy transportation and easy installation.
- STEAMPACK, designed with the logic of Plug and Play, offers practicality and fast solutions to users
- STEAMPACK is produced in the range of 500kg/h- 5.000Kg/h capacity at operating pressure between 4 and 10 bar.

Other Special Solutions

- MKD - Mobile Boiler Room
- Condensing Stainless Economiser

YERLİ ÜRETİM
YÜKSEK VERİM
YERLİ TEKNOLOJİ

MKD MODEL

MOBILE BOILER ROOM

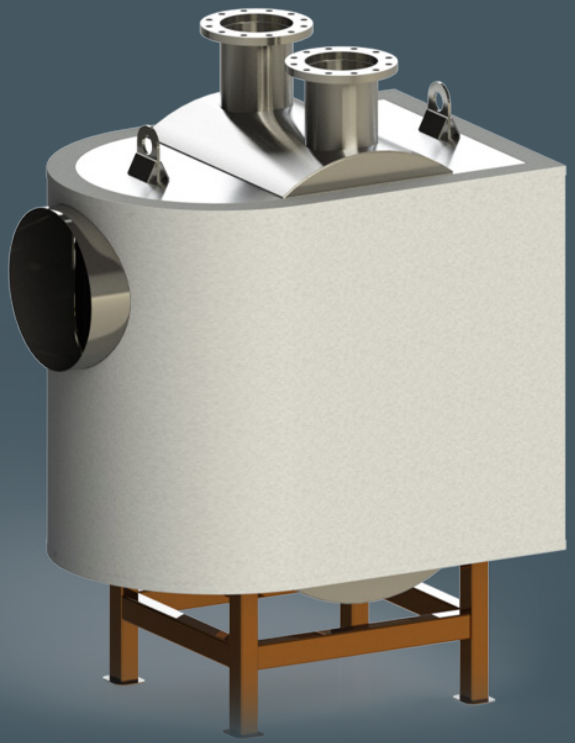
MİMSAN MKD Series, that are mobile hot water boilers designed with all the auxiliary and main elements that should be in a boiler room, with the feature of package type and easy transport, are produced in the capacity range of 29 kW-1000 kW according to the needs. MKD, which can be specially designed according to different needs, can be designed and produced completely according to the need to produce steam, hot water, utility water or all of them.

CHARACTERISTICS

- Possibility of special design suitable for use
- Economical hot water and heating opportunity at the construction site
- Economical hot water and heating opportunity at the construction site
- Since the containers are made of thermally insulated sandwich panels, they are suitable for working in all weather conditions
- Since the containers are specially designed according to the equipment used, they are useful and long-lasting
- Containers are designed in such a way that all equipment can be easily taken out and in.
- Ease of maintenance and repair since the front cover can be opened completely
- Production option suitable for every fuel (diesel, fuel-oil, gas, lpg etc.)

ECO MODEL

CONDENSING STAINLESS ECONOMIZER



CHARACTERISTICS

- Possibility of special design suitable for use
- Economical hot water and heating opportunity at the construction site
- Possibility of easy transfer and installation to different places with its portable structure
- Since the containers are made of thermally insulated sandwich panels, they are suitable for working in all weather conditions
- The entire body is covered with 80 mm thick mineral-based insulation material.
- All surfaces where condensation occurs are 316 titanium alloy stainless steel material
- Special body design for the evacuation of condensate water
- Highly efficient heat transfer surface thanks to finned tubes

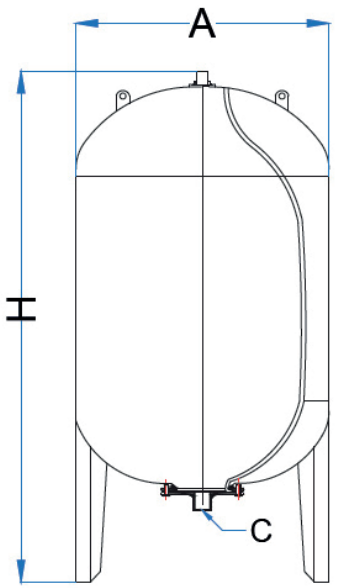
Auxiliary Fittings

- Closed Expansion Tank
- Cylindrically-Curved Fuel Tank
- Open Expansion Tank
- Single-Serpentine Enamel Quick Boiler
- Double-Serpentine Enamel Quick Boiler
- Enamel Accumulation Tank
- Gas burner

CLOSED EXPANSION TANK

Closed expansion tanks with replaceable membranes are used in heating systems to meet the increasing fluid volume with the increase in temperature. Since the necessity of heating the idle water in the open expansion tank is eliminated and the closed expansion tank will be installed in a sheltered area such as the boiler room, fuel savings are provided as heat loss will decrease. In addition, it saves space as it occupies less space compared

CLOSED EXPANSION TANK -TECHNICAL DRAWING AND TABLE

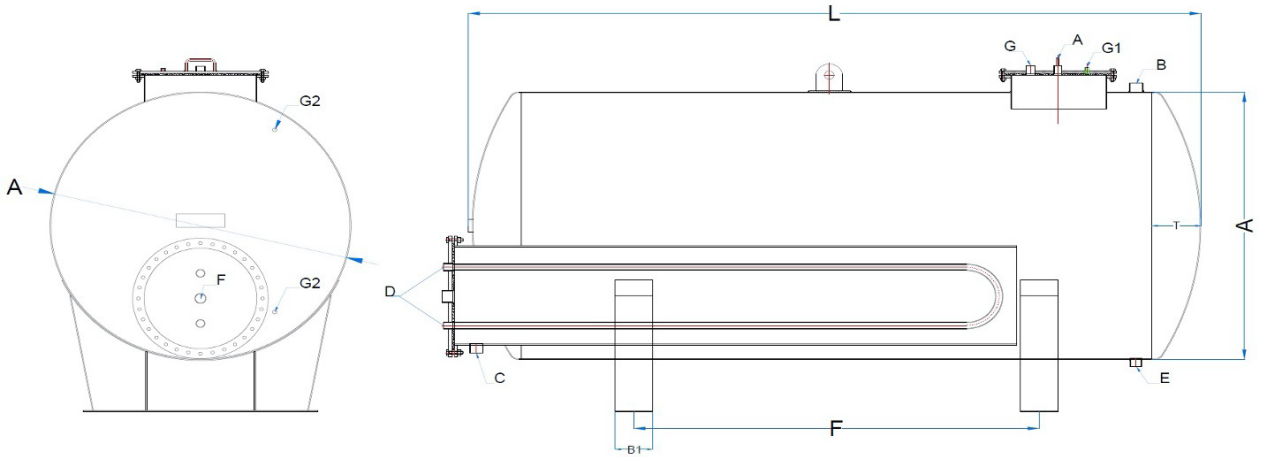


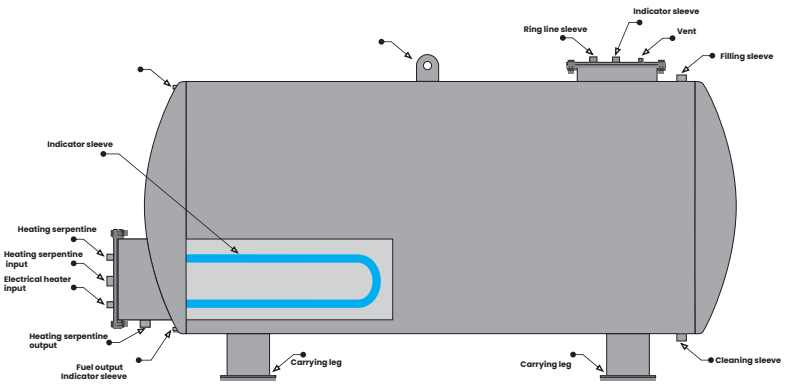
Model		MKT10-80	100	200	300	500	750	1000	1500	2000
Capacity (lt)		80	100	200	300	500	750	1.000	1.500	2.000
Diameter	A	460	460	560	640	740	800	800	920	1.080
Height	H	770	940	1.070	1.200	1.550	1.660	2.200	2.250	2.340
Connection Diameter	inc C	1"	1"	1 1/4"	1 1/4"	1 1/2"	2"	2"	2 1/2"	2 1/2"
Mano-gas pressure	bar	3	3	4	4	4	4	4	4	4
Operating pressure	bar	10	10	10	10	10	10	10	10	10

CYLINDRICALLY CURVED FUEL TANK

MİMSAN fuel tanks are used for safe storage of fuel-oil, diesel fuel and mineral oil, fuel-derived flammable fuel materials. The tanks, which are produced as cylindrical and curved from St-37 quality material, can be produced above ground in material thicknesses determined by TSE standards. The tank coil and its body are subjected to the necessary pressure tests and controls. Upon request, the devices produced with the carrier stand are delivered by being painted with two layers of anti-rust paint against corrosion. It is designed and manufactured according to TS EN 12285-2 standards

CYLINDRICALLY CURVED FUEL TANK -TECHNICAL DRAWING AND TABLE





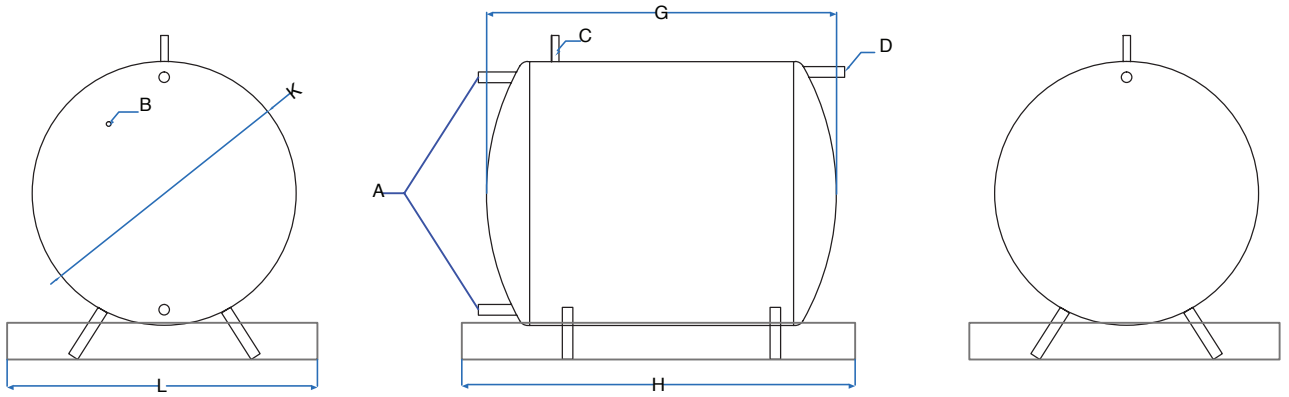
Model			MYT 1	MYT 3	MYT 5	MYT 7	MYT 10	MYT 13	MYT 16	MYT 20	MYT 25	MYT 30	MYT 40	MYT 50	MYT 60
Capacity		Lt.	1.000	3.000	5.000	7.000	10.000	13.000	16.000	20.000	250.000	30.000	40.000	50.000	60.000
Diameter	A	mm	958	1250	1600	1600	1600	1600	1600	2000	2000	2000	2500	2500	2500
Length	L	mm	1510	2740	2820	3740	5350	6960	8570	6960	8540	10120	8800	10800	12800
Curve Depth	T	mm	180	220	260	260	260	260	260	320	320	320	400	400	400
Leg width	B1	mm	350	350	350	350	350	525	525	600	600	600	950	950	950
Leg Axis Range	F	mm	-	-	1170	2270	4290	5625	7135	5395	7005	8615	6760	8820	10880
Aviation	C	mm	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"
External surface	F	m^2	6	12.7	16	22.8	30.5	38.5	45.7	49	60	68.5	77.8	93.9	108
Weight without heater	Kg	"	263	525	740	930	1250	1550	1850	2400	2850	3400	4400	5300	6300
Weight with heater	Kg	"	313	575	790	980	1300	1660	1900	2450	2900	3450	4450	5350	6350

OPEN EXPANSION TANK

MİMSAN open expansion tanks, which ensure the safety of the boiler and the installation in the building heating systems, complete the losses that occur due to the evaporation of the water in the installation, various leaks, repair and maintenance. The water that heats up and expands in the boiler is collected in the tank and is completed from the tank when the water of the installation cools down and its level drops. While the tanks produced from St-37 quality material as cylindrical and curved are produced in the material thicknesses determined by TSE standards, the tank body is subjected to the necessary pressure tests and controls and is painted with two layers of anti-rust paint against corrosion. In case of request, the devices produced with pans are insulated with glass or rock wool and delivered by covering with aluminum or galvanized sheet. It is designed and manufactured according to TS EN 713 standards.

WHAT ISEXPANSION?

In hot water heating systems, when water is heated from 10°C to 90°C, its volume increases by 3.55%. Expansion tanks are used to take this expansion depending on the temperature in the water. Expansion tanks also fulfill the safety of the system, that is, the pressure not to increase and the necessary water support to the system.

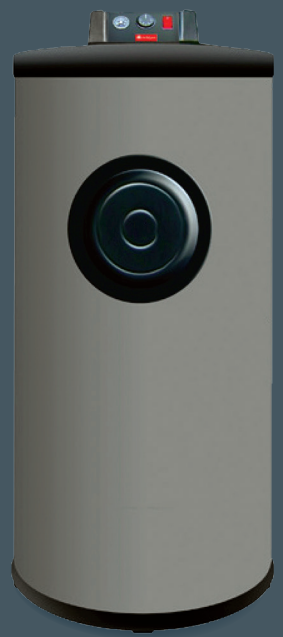


Model			MİT-P 50	MİT-P 80	MİT-P 120	MİT-P 160	MİT-P 200
Capacity		Lt.	50	80	120	160	200
Diameter	R	-	420	470	540	540	600
Height	H	mm	520	580	640	670	840
Leg Height	H1	mm	740	840	882	910	1080
Return	A	inch	3/4"	3/4"	3/4"	3/4"	3/4"
Overflow	B	inch	1/2"	1/2"	1/2"	1/2"	1/2"
Vent	C	inch	3/4"	3/4"	3/4"	3/4"	3/4"
Weight	-	Kg	10	13	15	17	23.5

Model			MİT - 300	MİT - 400	MİT - 500	MİT - 600	MİT - 800	MİT - 1000	MİT - 1200	MİT - 1400	MİT - 1600	MİT - 1800	MİT - 2000
Capacity		Lt.	300	400	500	600	800	1000	1200	1400	1600	1800	2000
Length	G	mm	913	1263	1276	1226	1312	1562	1822	1590	1740	1960	1900
Diameter	K	mm	680	680	750	850	958	958	958	1200	1200	1200	1250
Pan width	H	mm	1113	1463	1476	1426	1512	1762	2022	1790	1940	2160	2100
Pan length	L	mm	780	780	850	950	1058	1058	1068	1300	1300	1300	1450
Return	A	mm	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"
Messenger	B	mm	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Vent	C	mm	1"	1"	1"	1"	1"	1"	1"	1"	3/4"	3/4"	3/4"
Overflow	D	mm	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"
Weight		kg	80	105	120	130	155	180	205	230	245	270	295

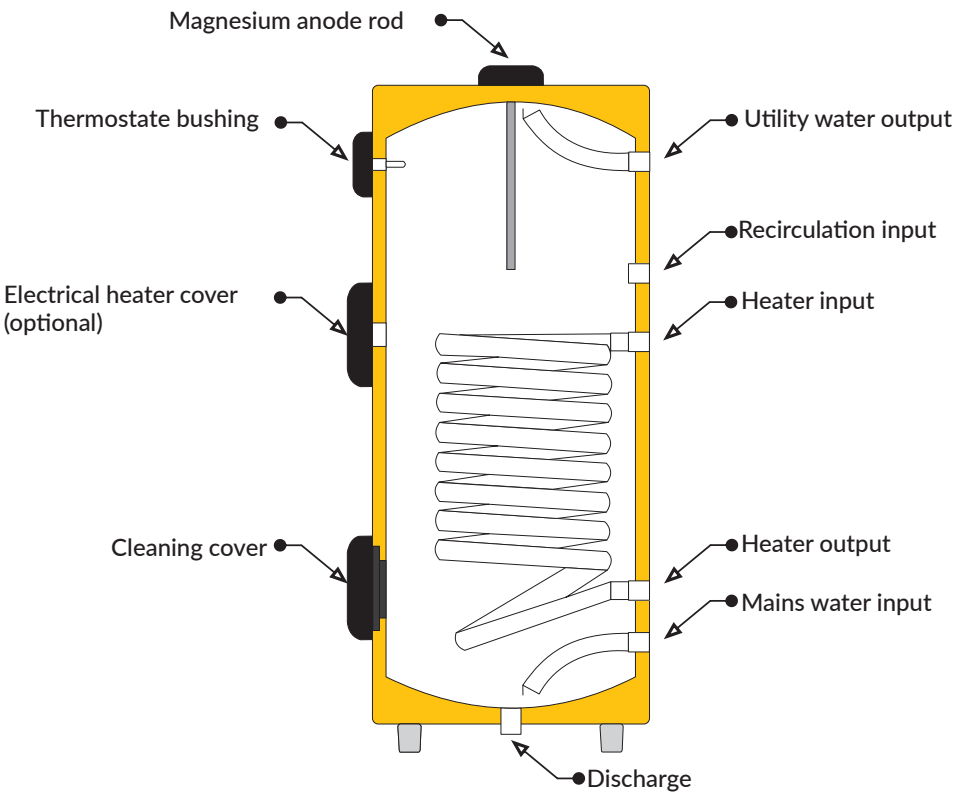
SINGLE-SERPENTINE ENAMEL BOILER

MİMSAN vertical type enameled boilers are used for the preparation and storage of hot water. With the addition of magnesium anode in the tank, extra resistance against corrosion is provided and the storage life is extended, the boilers are designed and manufactured according to TS EN 736 standards. There are thermometer, heater on/off button, thermostat and heater mounting hole on the device as standard. With the addition of magnesium anode in the tank, extra resistance against corrosion is provided and the life of the warehouse is extended.



In case the hot water coming from the heat source (heater, hot water, steam or solar energy) is so low that it cannot raise the domestic water to the desired temperature, the desired temperature can be maintained continuously and constant by the addition of an electric heater. Since the whole body is covered with 50 mm thick and 40 kg/m3 density polyurethane insulation, standby heat losses are minimized and it does not lose its properties over time compared to classical insulation materials.

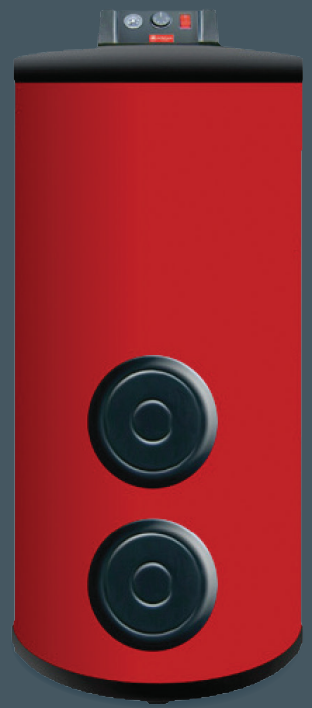
SINGLE-SERPENTINE ENAMEL BOILER -TECHNICAL DRAWING AND TABLE



Model			M-TEB 100	M-TEB 150	M-TEB 200	M-TEB 250	M-TEB 350	M-TEB 500	M-TEB 750	M-TEB 1000	M-TEB 1500	M-TEB 2000	M-TEB 2500	M-TEB 3000	M-TEB 4000	M-TEB 5000	M-TEB 6000
Capacity		Lt.	100	150	200	250	350	500	750	1000	1500	2000	2500	3000	4000	5000	6000
Heating surface	m^2	-	0.57	0.97	1.18	1.32	1.45	2.20	2.76	3.04	4.15	5.75	6.63	7.51	8.50	10.00	12.00
Performance	-	-	720	1400	1800	1990	2200	2520	2750	2900	3410	3800	4600	5400	7673	9028	10830
Diameter	B	mm	550	550	550	550	700	700	900	900	1250	1250	1470	1470	1660	1660	1660
Height	A	mm	970	1220	1470	1720	1420	1910	1630	2070	2170	2500	2200	2520	2480	2980	3500
Heater Fluid Return	C	-	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	2"	2"	2"
Utility water return	D	-	3/4"	3/4"	3/4"	3/4"	3/4"	1 1/4"	1 1/4"	1 1/4"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"
Circulation	E	-	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	2"	2"	2"
Weight without water	kg	-	54	69	81	98	128	176	260	290	494	572	715	845	1190	1370	1545
Electrical resistance power	x kw	kg	1x2	1x2	1x3	1x3	2x2	2x4.5	2x7.5	2x10	3x10						

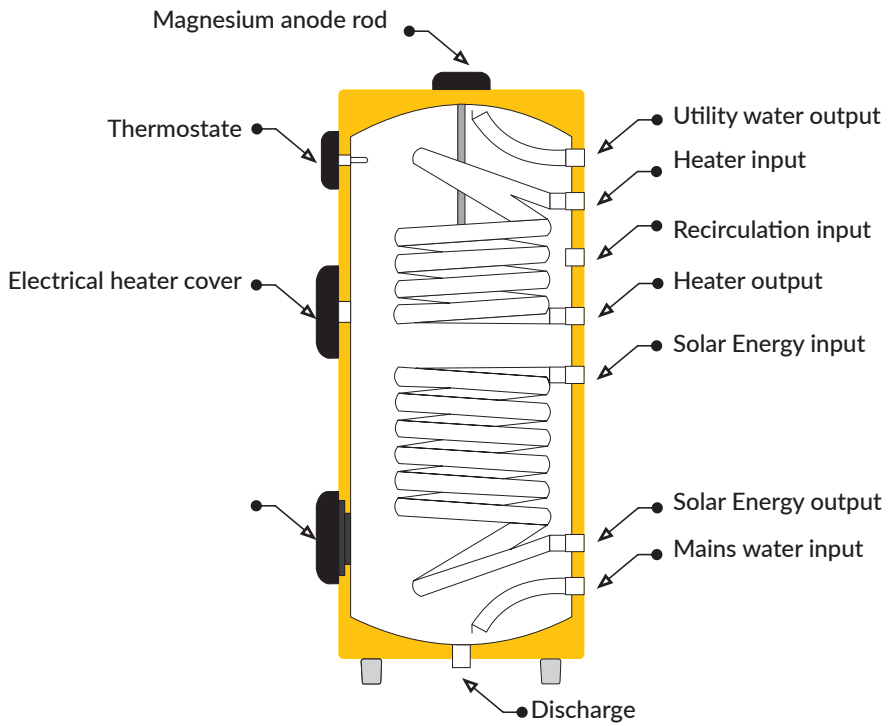
DOUBLE-SERPENTINE ENAMEL BOILER

MİMSAN vertical type enameled boilers are used for the preparation and storage of hot water. This type of device is called “quick boiler” since it can heat the water in reverse flow with the spiral serpentine. With the addition of magnesium anode in the tank, extra resistance against corrosion is provided and the storage life is extended and they are designed and manufactured according to TS EN 736 standards.



In double-serpentine models, one of the serpentines is fed from the central hot water, superheated water or steam circuit, while the other is usually connected to the solar collector circuit. Thus, more than one primary source can be provided to heat the water by backing up or supplementing each other. In case the hot water coming from the heat source (heater, hot water, steam or solar energy) is so low that it cannot raise the domestic water to the desired temperature, the desired temperature can be maintained continuously and constant by the addition of an electric heater. Since the whole body is covered with 50 mm thick and 40 kg/m3 density polyurethane insulation, standby heat losses are minimized and it does not lose its properties over time compared to classical insulation materials.

DOUBLE-SERPENTINE ENAMEL QUICK BOILER -TECHNICAL DRAWING AND TABLE

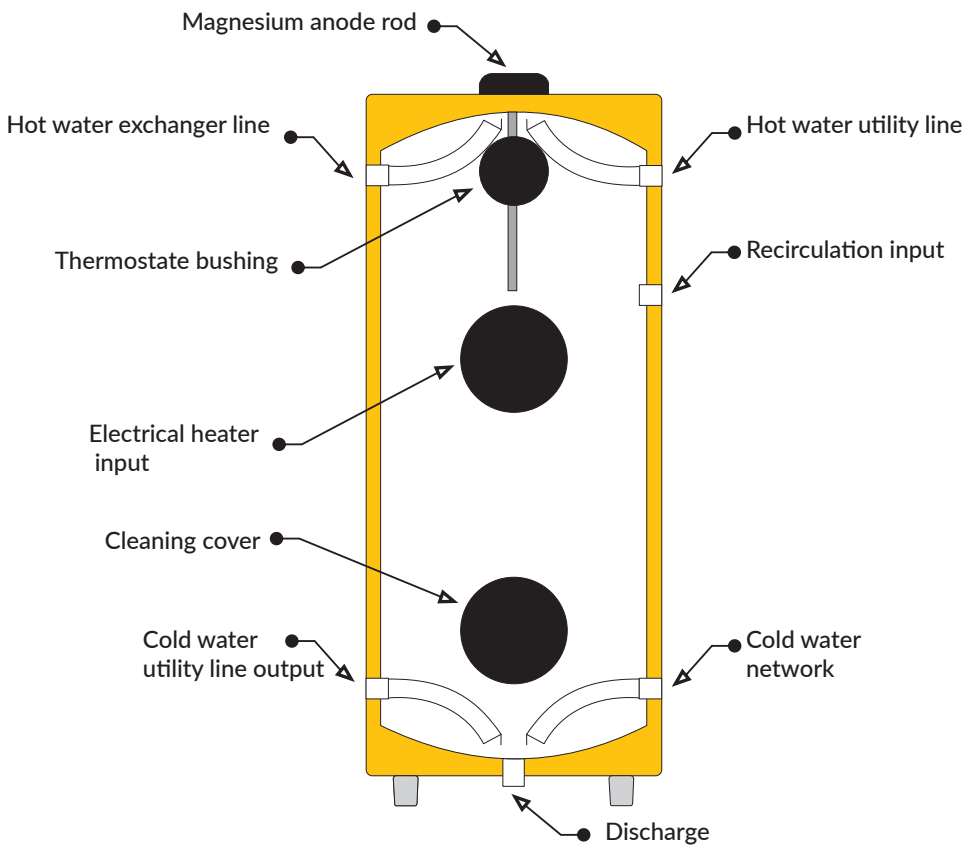


Model			M-ÇEB 150	M-ÇEB 200	M-ÇEB 250	M-ÇEB 350	M-ÇEB 500	M-ÇEB 750	M-ÇEB 1000	M-ÇEB 1500	M-ÇEB 2000	M-ÇEB 2500	M-ÇEB 3000	M-ÇEB 4000	M-ÇEB 5000	M-ÇEB 6000
Capacity		Lt.	150	200	250	350	500	750	1000	1500	2000	2500	3000	4000	5000	6000
Upper Serpentine Surface Area	m^2	-	0.57	0.70	0.83	1.00	1.40	2.48	2.70	2.10	2.45	2.90	3.35	4.25	5.00	6.00
Lower Serpentine Surface Area	m^2	-	0.7	0.87	1.1	1.25	2	2.76	3.04	3.75	4.9	6.4	7.05	8.5	10	12
Performance	-	-	760	1000	1150	1400	1780	1840	1900	2180	2460	3040	3620	7673	9028	10830
Diameter	B	mm	550	550	550	700	700	900	900	1250	1250	1470	1470	1660	1660	1660
Height	A	mm	1220	1470	1720	1420	1910	1630	2070	2170	2500	2200	2520	2480	2980	3500
Heater Fluid Return	C	-	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	2"	2"	2"
Utility water return	D	-	3/4"	3/4"	3/4"	3/4"	1 1/4"	1 1/4"	1 1/4"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"
Circulation	E	-	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	2"	2"	2"
Weight without water	kg	-	79	96	117	142	193	281	330	520	590	730	870	1250	1440	1645
Electrical resistance power Pc	x kw	kg	1x2	1x3	1x3	2x2	2x4.5	2x4.5	2x7.5	2x10	3x10					

ENAMEL ACCUMULATION TANK

MİMSAN accumulation tanks are used together with plate heat exchangers in systems with too high a capacity to meet the domestic hot water need with serpentine boilers. In case the hot water coming from the heat source is so low that it cannot raise the domestic water to the desired temperature, the desired temperature can be maintained continuously and constant by the addition of an electric heater. With the addition of magnesium anode in the tank, extra resistance against corrosion is provided and the storage life is extended and they are designed and manufactured according to TS EN 736 standards

ENAMEL ACCUMULATION TANK -TECHNICAL DRAWING AND TABLE

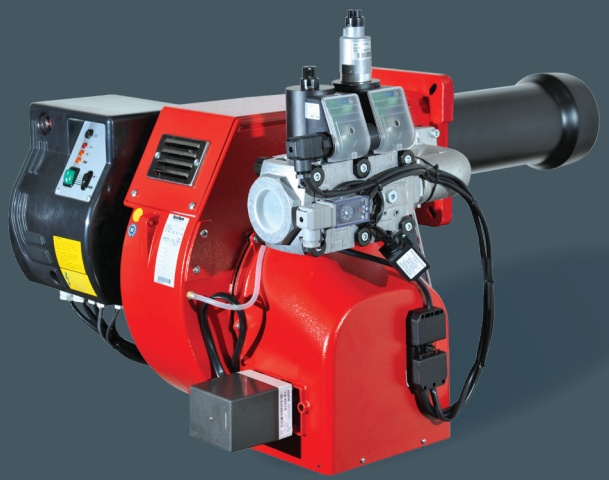


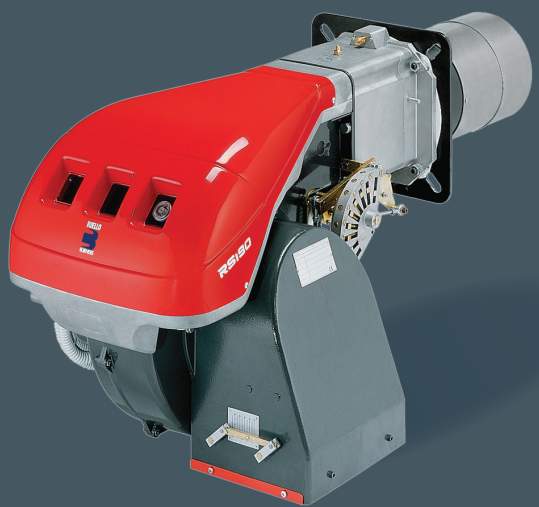
Model			M-AT 500	M-AT 750	M-AT 1000	M-AT 1500	M-AT 2000	M-AT 2500	M-AT 3000	M-AT 4000	M-AT 5000	M-AT 6000
Capacity		Lt.	500	750	1000	1500	2000	2500	3000	4000	5000	6000
Diameter	B	mm	700	900	900	1250	1250	1470	1470	1660	1660	1660
Height	A	mm	1910	1630	2070	2100	2500	2200	2470	2480	2980	3500
Utility water return	D	-	1 1/4"	1 1/4"	1 1/4"	2"	2"	2"	2"	3"	3"	3"
Circulation	E	-	3/4"	3/4"	1 1/4"	3/4"	3/4"	3/4"	3/4"	2"	2"	2"
Weight without water	kg	-	176	260	290	495	572	685	845	950	1100	1250

GAS BURNER

Natural Gas Burner is a device that creates a mixture that will provide air and fuel controlled and efficient combustion. The burners to be selected in accordance with the boiler positively affect the combustion quality and efficiency. The principle of these devices is to increase the combustion efficiency, which is essential, to reach ideal combustion conditions, for preventing environmental pollution and saving energy

MİMSAN HEAT TECHNOLOGY offers two different burner brands to its customers. ECOFLAM and RIELLO brand burners, which produce with Italian technology, work in full harmony with MİMSAN branded boilers





In the systems with a heating capacity of up to 100 kW (86,000 Kcal/h) in the use of gas-fuel forced-blown burners in accordance with the Energy Performance Regulation in Buildings, in systems with a heating capacity of 100 kW (86,000 Kcal/h) and 600 kW (516,000 Kcal/h) Burners with two-stage or proportional control, with a capacity of 600 kW (516,000 Kcal/h) and above, only with proportional control, with proportional control and with Chimney gas oxygen control system in systems of 3000 kW (2,580,000 Kcal/h) are allowed.

Single-stage Natural Gas Burners are adjusted once depending on the heat absorbed and ensure that the same amount of fuel is burned continuously. Burner is operated as ON-OFF. Two-Stage Natural Gas Burners can operate at maximum and minimum loads depending on the heat absorbed. It is activated at the minimum load at the first start-up and switches to the maximum load depending on the heat requirement. Such burners are activated without a pulse. Proportional Controlled Burners can automatically adjust their capacity according to the changing load. This type of burner can reduce the working load up to 20% of its maximum capacity.

SUBJCECT :	DATE :

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