



金泓锅炉

JINHONG BOILER

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河南省金泓锅炉有限公司

HENAN JINHONG BOILER CO., LTD



诚信

立身诚为本 处世信为基

人无信不立，业无信必衰
诚信是无形资产，信用是金字招牌。

诚信是财富的种子，
只要你诚心种下，
就能找到打开金库的钥匙。



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DZL 系列生物质链条炉排蒸汽锅炉 11	ZFQ 立式燃油燃气蒸汽发生器 39
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YLB 卧式链条生物质导热油炉 19	LSS 燃油燃气 D 级蒸汽锅炉 47
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CWNS 卧式燃油燃气常压热水锅炉 21	DZZ 生物质锅炉 48
CWNS Horizontal Oil And Gas Fired Atmospheric Hot Water Boiler	DZZ Biomass Boiler
ZKS 卧式燃油 (气) 真空热水锅炉 23	YDLB 商用全预混低氮冷凝燃气锅炉 49
ZKS Horizontal Fuel (Gas) Vacuum Hot Water Boiler	YDLB Commercial Fully Premixed Low Nitrogen Condensing Gas Boiler
CDZL/H 系列卧式生物质常压热水锅炉 25	冷凝式燃气容积式热水炉 51
CDZL/H Series Horizontal Biomass Atmospheric Hot Water Boiler	Condensing Gas Volumetric Hot Water Boiler
CWHB 卧式生物质新型多功能热水锅炉 27	
CWHB Horizontal Biomass New Multi functional Hot Water Boiler	



企业简介 Company Profile

河南省金泓锅炉有限公司是国家定点 B 级锅炉、DI、DII 类压力容器制造的省级企业，集设计、制造、销售、安装为一体，位于豫东平原全国最大的锅炉生产基地河南太康，东临商周高速，北临许亳高速，311 国道贯穿厂区，交通便利。

公司从国外引进先进技术，汇集国内厂家精髓，结合公司实际和市场需求，设计生产了循环流化床锅炉、半煤气环保型蒸汽锅炉、立卧式以煤、油、气、电、生物质为燃料的蒸汽锅炉、真空锅炉、有机热载体炉、热水锅炉、高中低温热风炉、电脑锅炉等 16 个系列的 160 余种型号规格产品，形成了辐射全国的强大销售市场和售后服务网络，并远销俄罗斯、新西兰、越南等国，获得了良好的社会口碑。公司通过了 ISO 9001-2000 质量管理体系认证，获得了河南省守合同重信用企业，河南省著名商标企业，河南省环保产品推荐企业，河南省质量管理先进企业，河南省重点保护企业等荣誉。

公司坚持“质量第一，诚实守信”的经营理念，凭借先进的制造工艺及管理、一流的制造与检测设备、有效的质量保证体系和完善的售后服务，竭诚与广大用户全力合作，携手共创辉煌。

Henan JinHong Boiler Co., Ltd. is a national fixed point B boiler, DI, DII class pressure vessel manufacture of provincial enterprises, set design, manufacture, sale installation as a whole, is located in the eastern plain of the country's largest production base of boiler-minzhu, henan shangzhou high speed in the east, xu here in the north high speed, 311 national road runs through the factory, the transportation is convenient.

Companies introduce advanced technology from abroad domestic manufacturer essence, combining the reality of the company and the market demand, design and production of circulating fluidized bed boiler, and coal Gas environmental protection steam boiler, vertical to coal, oil, gas, electricity and biomass to fuel steam boiler . vacuum boiler, organic heat carrier furnace, hot water boiler, High temperature hot blast stove. boiler and other 16 series of more than 160 kinds of specifications products, formed a powerful radiation national sales and after sales service network, And exported to Russia, New Zealand, Vietnam and other countries , won a good social reputation. Company has passed ISO9001 - 2000 quality management system certification, obtained China credit enterprise of henan province . henan province, famous brand enterprises in henan province environmental protection product recommend enterprises . quality management advanced enterprises in henan province, henan province some protection enterprise.

Companies adhere to the " quality first, honest and trustworthy" business philosophy. relying on advanced manufacturing technology and management, the first- class manufacturing and testing equipment. and effective quality assurance system and perfect after - sales service , users cooperate fully with the general form. hand in hand to create brilliance together.

HONOR AND QUALITY

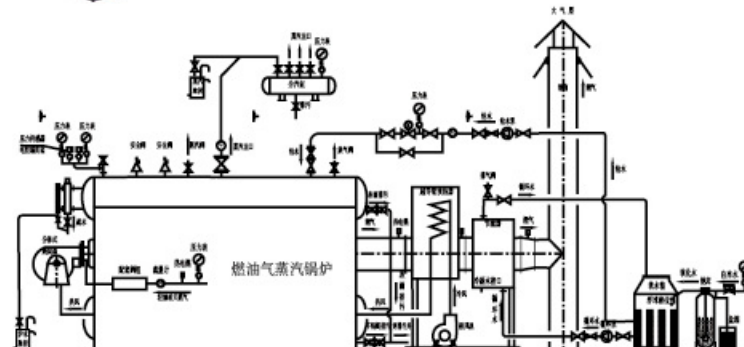
荣誉资质





SZS系列燃油燃气冷凝蒸汽锅炉

SZS Series Fuel Gas Condensing Steam Boiler



SZS 型燃油气蒸汽锅炉工艺流程图

锅炉特点:

Characteristics:

- ◆ 双锅筒D型布置, 结构紧凑, 占地面积小, 火焰充满度好;
- ◆ 水冷壁及对流管束隔壁采用膜式壁(密排式)结构, 密封性能好;
- ◆ 锅炉炉膛设有检查口, 防爆门, 使用维修方便, 安全可靠;
- ◆ 高热阻材料的绝热层具有良好的密封性能和保温效果, 降低散热损失;
- ◆ 快装结构, 整套锅炉座落在底座上, 运输、安装更加方便;
- ◆ 外包装采用压制护板, 外形美观, 整齐;
- ◆ 全自动知名品牌燃烧器, 调节燃烧更好的适应D型布置燃烧空间。
- ◆ Two-drum compact structure saves land and leads to better fullness of flame;
- ◆ Film-wall (close packed) structure of water-cooling wall and convection bank wall leads to better tightness;
- ◆ The access opening and explosion-proof gate on the furnace makes repairs safer and more reliable;
- ◆ Heat isolation of high thermal resistance materials ensure better tightness and thermal insulation, reducing heat loss;
- ◆ Easy installation; boiler body on the base; easy installation and transportation;
- ◆ Pressed guard plates of external packing; beautiful appearance;
- ◆ Famous-brand auto-burner adjusts burning to be more adaptive to type-D burning space.

技术参数:

Technical parameters:

参数 Parameter		SZS10- 1.25/ (1.57) -Y(Q)	SZS10- 1.25/ 250 -Y(Q)	SZS10- 2.45/ 400 -Y(Q)	SZS15- 1.25/ (1.57) -Y(Q)	SZS15- 1.25/ 250 -Y(Q)	SZS15- 2.45/ 400 -Y(Q)	SZS20- 1.25/ (1.57) -Y(Q)	SZS20- 1.25/ 250 -Y(Q)	SZS20- 2.45/ 400 -Y(Q)	SZS25- 1.25/ (1.57) -Y(Q)	SZS25- 1.25/ 250 -Y(Q)	SZS25- 2.45/ 400 -Y(Q)	SZS35- 1.25/ (1.57) -Y(Q)	SZS35- 1.25/ 250 -Y(Q)	SZS35- 2.45/ 400 -Y(Q)	
单位 Unit 参数名称 Parameter Name																	
额定供热量 Rated Heat-supply	t/h	10			15			20			25			35			
额定工作压力 Rated Working Pressure	Mpa	1.25/ (1.57)	1.25	2.45	1.25/ (1.57)	1.25	2.45	1.25/ (1.57)	1.25	2.45	1.25/ (1.57)	1.25	2.45	1.25/ (1.57)	1.25	2.45	
蒸汽温度 Steam Temperature	℃	193 (204)	250	400	193 (204)	250	400	193 (204)	250	400	193 (204)	250	400	193 (204)	250	400	
给水温度 Feed-water Temperature	℃	104 / 20			104 / 20			104 / 20			104 / 20			104 / 20			
设计热效率 Designing Heat Efficiency	%	>90-98 以上 (天然气配冷凝)															
适用燃料 Applicable Fuel		柴油、重油、气体燃料															
柴油 Diesel	kg/h	604	604	720	909	957	1080	1212	1277	1440	1515	1595	1800	2119	2232	2518	
重油 Heavy Oil	kg/h	642	642	765	966	1015	1148	1288	1355	1531	1610	1692	1913	2253	2367	2277	
天然气 Natural Gas	Nm³/h	717	717	854	1078	1134	1281	1437	1512	1708	1797	1890	2135	2514	2644	2987	
液化气 Liquid Gas		232	232	277	350	367	416	467	489	555	583	612	693	816	856	970	
城市煤气 Urban Gas		1623	1623	1933	2440	2567	2900	3257	3423	3867	4067	4278	4823	5690	5986	6763	
林格曼黑度 Ringelman Smoke Blackness		<1 度															
使用电源 Power Supply		3-380															
主气阀口径 (DN) Diameter of Main Air Valve	V	150			200			150			200			150			
安全阀口径 (DN) Diameter of Safety Valve	mm	80			100			80			125			100			
进水阀口径 (DN) Diameter of Inlet Valve	mm	50			65			65			80			80			
液位计泄水口口径 (DN) Diameter of Discharging Hole of Liquid Level Gauge	mm	25															
燃烧方式 Burning Method		室燃															
最大件运输重量 Transportation Weight of Biggest Part	t	35	35	37	35	35	38	39	39	44	49	50	55	69	70	70	
最大件运输尺寸 Transportation Dimensions of Biggest Part	m	6.8×3.4×3.54			7.8×3.6×3.8			8.8×4.1×4			10.5×4.2×4.1			13×4.5×4.2			
外型尺寸 External Dimensions	A	mm	3532			3765			3972			4083			4198		
	B		5840			6806			7774			9606			11980		
	C		3345			3782			4126			4201			4460		
烟囱口径 Diameter of Chimney	m	φ 850			φ 1000			φ 1200			φ 1400			φ 1600			

★注: 参数仅供参考, 若有变动以实际图纸为准。

★ Notes: parameters are for reference only, if any changes should follow actual drawings.



WNS系列燃油燃气冷凝蒸汽锅炉

WNS Series Fuel Gas Condensing Steam Boiler



锅炉特点:

Characteristics:

- ◆独特的大燃烧室结构设计,三回程全湿背结构,保持超强辐射换热能力的同时,实现低温燃烧,提高了锅炉的热效率,减少了NOX的排放。高效环保;
- ◆采用螺纹烟管,增加了传热效果,提高锅炉热效率;
- ◆锅炉前后烟箱采用多级密封方式,不会漏烟;
- ◆具有较大的蒸汽空间,蒸汽品质好;
- ◆水位、蒸汽压力、排烟温度等多重保护,安全可靠;
- ◆高效保温材料,确保锅炉表面温度低;
- ◆配套专利产品锅炉节能器,节约燃料费用5-15%,将锅炉升级为冷凝锅炉;
- ◆设置多点排污,使锅炉受热面更加干净。

- ◆ Unique large combustion chamber design with a three-pass fully wet-back structure, maintaining superior radiative heat exchange capability while achieving low-temperature combustion, enhancing boiler thermal efficiency and reducing NOX emissions. High efficiency and eco-friendly;
- ◆ The use of helical smoke tubes enhances heat transfer efficiency and improves boiler thermal performance; The front and rear flue boxes of the boiler adopt a multi-stage sealing method to prevent smoke leakage
- ◆ It has a large steam space and good steam quality;
- ◆ Multiple protections such as water level, steam pressure, and flue gas temperature ensure safety and reliability;
- ◆ High-efficiency insulation material ensures low surface temperature of the boiler;
- ◆ Complementary patented product boiler economizer, saving 5-15% in fuel costs and upgrading the boiler to a condensing boiler;
- ◆ Set up multi-point drainage to keep the boiler heating surface cleaner.

技术参数:

Technical parameters:

型号Model 项目Item		WNS0.5	WNS1	WNS1.5	WNS2	WNS2.5	WNS3	WNS4	WNS5	WNS6	WNS8	WNS10	WNS12	WNS15	WNS20	
额定蒸发量 Rated Capacity	t/h	0.5	1	1.5	2	2.5	3	4	5	6	8	10	12	15	20	
额定蒸汽压力 Rated Working Pressure	MPa	1.0	1.25	1.0 1.25 1.6 2.5						1.25 1.6 2.5						
额定蒸汽温度 Normal Steam Temperature	℃	184	193	184 193 204 225						193 204 225						
给水温度 Feed-water Temperature	℃	20								104						
传热面积 Htea Transmission Area	m²	16	25	42	57	63	82	103	128	154	208	268	308	390	516	
适用燃料 Usage of Fuel		轻油 重油 气体燃料														
燃料消耗量 Fuel Consumption	重油 Heavy Oil	kg/h	34	66	97	122.5	155	189	258	319	370	485	609	730	915	1220
	轻油 Light Oil	kg/h	32	61	92	120	147	184	243	300	354	472	580	707	849	1157
	天然气 Natural Gas	Nm³/h	40	72	105	158	179	225	313	375	452	627	770	926	1027	1330
	城市煤气 Urban Coal Gas	Nm³/h	74	148	222	295	385	444	592	740	868	1185	1465	1758	2200	3073
供气压力 Pressure of Supplied Gas	天然气 Natural Gas	mpa	30-100	50-100	50-100	50-100	50-100	50-200	100-200	100-200	100-200	150-300	100-300	150-300	150-300	150-300
	城市煤气 Urban Coal Gas	mpa	50-100	70-100	70-200	70-200	70-200	70-200	100-200	100-200	100-200	100-300	100-300	150-300	150-300	150-300
设备总功率 Total Power of Equipment	燃重油 Heavy Oil	kw	--	7.1	18	19.4	21.7	21.7	26.2	27.7	41.9	57.4	58.4	86.5	118.5	
	燃轻油 Light Oil	kw	1.86	2.6	4.8	6.2	8.5	8.5	13.0	14.5	19.5	--	--	--	--	
	燃气Gas	kw	2.05	2.5	4.8	6.2	10.5	10.5	13	17.5	19.5	21.5	32	32	51	77
锅炉最大运输重量 Max. Transportation Weight of Boiler		t	3.5	5.5	6.5	7.6	8.65	9.9	11.7	13.7	15.9	18	25.4	27.2	40	45.5
锅炉满水容积 Full Water Capacity of Boiler		m³	1.8	3.1	4.7	5.1	6.9	5.6	6.3	10.4	8.9	12.8	18.8	22.8	24.2	34.1
锅炉外形尺寸 External Dimensions of Boiler		长mm	2900	3650	4650	4650	4850	4650	4800	6000	6300	6500	7400	8870	8700	10000
		宽mm	1600	1950	2000	2100	2200	2200	2300	2600	2700	2950	3730	3730	4100	4500
		高mm	1900	2200	2400	2450	2500	2650	2800	2900	2900	3100	3530	4500	3800	5600

注:1、表中燃料耗量是以轻油低位发热值 42700KJ/kg、重油低位发热值 40350KJ/kgC 9640KCAL/kg,天然气低位发热值 35588KJ/Nm³、城市煤气低位发热值 16750KJ/Nm³ 计算的。

2、电源:三相 380V 50HZ

Notes:

1. Fuel consumptions in the table are counted with 42700KJ/kg as the low heat value for light oil, 40350KJ/kgC 9640KCAL/kg as that for heavy oil, 35588KJ/ Nm³ as that for natural gas and 16750KJ/ Nm³ as that for coal gas.

2. Power supply: 380V. 50HZ;

★注:参数仅供参考,若有变动以实际图纸为准。

★ Notes: parameters are for reference only, if any changes should follow actual drawings.



WNS系列燃油燃气撬装蒸汽锅炉

WNS Series Fuel Gas Pry Mounted Steam Boiler



锅炉特点:

Characteristics:

- 1、可由用户根据现场特点确定撬装设备;
- 2、拆迁、运输方便,便于流动;
- 3、适用长、短期运行,更能降低短期运行或无法投产前的投资风险;
- 4、节约占地面积,减少锅炉房投资;
- 5、免安装,节省安装费用;
- 6、可在室内外使用,可车载运行。

1. The user can determine the skid mounted equipment according to the site characteristics;
2. It is convenient for demolition, transportation and flow;
3. It is suitable for long-term and short-term operation, and can reduce the investment risk before short-term operation or failure to put into production;
4. Save the floor area and reduce the investment of boiler house;
5. Installation free, saving installation cost;
6. It can be used indoors and outdoors, and can be operated on vehicle.



技术参数:

Technical parameters:

型号 Type 项目 Item		WNS0.3	WNS0.5	WNS0.7	WNS1	WNS2	WNS3	WNS4	WNS5	WNS6	WNS8	WNS10	WNS12	WNS15	WNS20	
额定蒸发量 Rated Capacity		t/h	0.3	0.5	0.7	1	2	3	4	5	6	8	10	12	15	20
额定蒸汽压力 Rated Steam Pressure		Mpa	0.7	1.0	1.25		1.0/1.25			1.6		1.25 / 1.6				
额定蒸汽温度 Rated Steam Temperature		℃	170	193	184	193 204 225										
给水温度 Feed-water Temperature		℃	20													
传热面积 Heat Transmission Area		m ²	10.3	15	18	25	57	82	103	128	154	208	268	308	390	516
适用燃料 Applicable Fuel			轻油 重油 气体燃料													
燃料消耗量 Fuel Consumption	重油 Heavy Oil	kg/h	20	34	46	66	122.5	189	258	319	370	485	609	730	915	1220
	轻油 Light Oil	kg/h	18	32	42	61	120	184	243	300	354	472	580	707	849	1157
	天然气 Natural Gas	Nm ³ /h	21	40	50	72	158	225	313	375	452	627	770	926	1027	1330
	城市煤气 Urban Coal Gas	Nm ³ /h	48	74	103	148	295	144	592	740	868	1185	1465	1758	2200	3073
供气压力 Pressure of Supplied Gas	天然气 Natural Gas	mbar	20-40	30-100	30-80	50-100	50-100	50-200	100-200	100-200	100-200	150-300	100-300	150-300	150-300	150-300
	城市煤气 Urban Coal Gas	mbar	20-40	50-100	30-80	70-100	70-200	70-200	100-200	100-200	100-200	100-300	100-300	150-300	150-300	150-300
设备总功率 Total Power of Equipment	燃重油 Heavy Oil	kw	--	--	--	7.1	19.4	21.7	26.2	27.7	41.9	57.4	58.4	86.5	118.5	
	燃轻油 Light Oil	kw	0.5	1.86	2	2.6	6.2	8.5	13.0	14.5	19.5	--	--	--	--	--
	燃气 Gas	kw	1.5	2.05	2.3	2.5	6.2	10.5	13	17.5	19.5	21.5	32	32	51	77
锅炉最大运输重量 Max. Transportation Weight of Boiler		t	1.9	2.5	3.5	5.5	7.6	9.9	11.7	13.7	15.9	18	25.4	27.2	40	45.5
锅炉满水容积 Full Water Capacity of Boiler		m ³	0.8	1.8	2.0	3.1	5.1	5.6	6.3	10.4	8.9	12.8	18.8	22.8	24.2	34.1
锅炉外形尺寸 External Dimensions of Boiler		长 mm	2470	2950	3300	3650	4650	4650	4800	6000	6300	6500	7400	8870	8700	10000
		宽 mm	1330	1570	1620	1950	2100	2200	2300	2600	2700	2950	3730	3730	4100	4500
		高 mm	1500	1820	1950	2200	2450	2650	2800	2900	2900	3100	3530	4500	3800	5600

注: 1、表中燃料耗量是以轻油低位发热值 42700KJ/kg、重油低位发热值 40350KJ/kg, 天然气低位发热值 35588KJ/Nm³、

城市煤气低位发热值 16750KJ/Nm³ 计算的。

2、电源: 三相 380V 50HZ。

Notes:

1. Fuel consumptions in the table are counted with 42700KJ/kg as the low heat value for light oil, 40350KJ/kg as that for heavy oil, 35588KJ/ Nm³ as that for natural gas and 16750KJ/ Nm³ as that for coal gas.

2. Power supply: 380V, 50HZ.

★注: 参数仅供参考, 若有变动以实际图纸为准。

★ Notes: parameters are for reference only, if any changes should follow actual drawings.



DZL系列生物质链条炉排蒸汽锅炉

DZL Series Chain Grate Biomass Steam Boiler

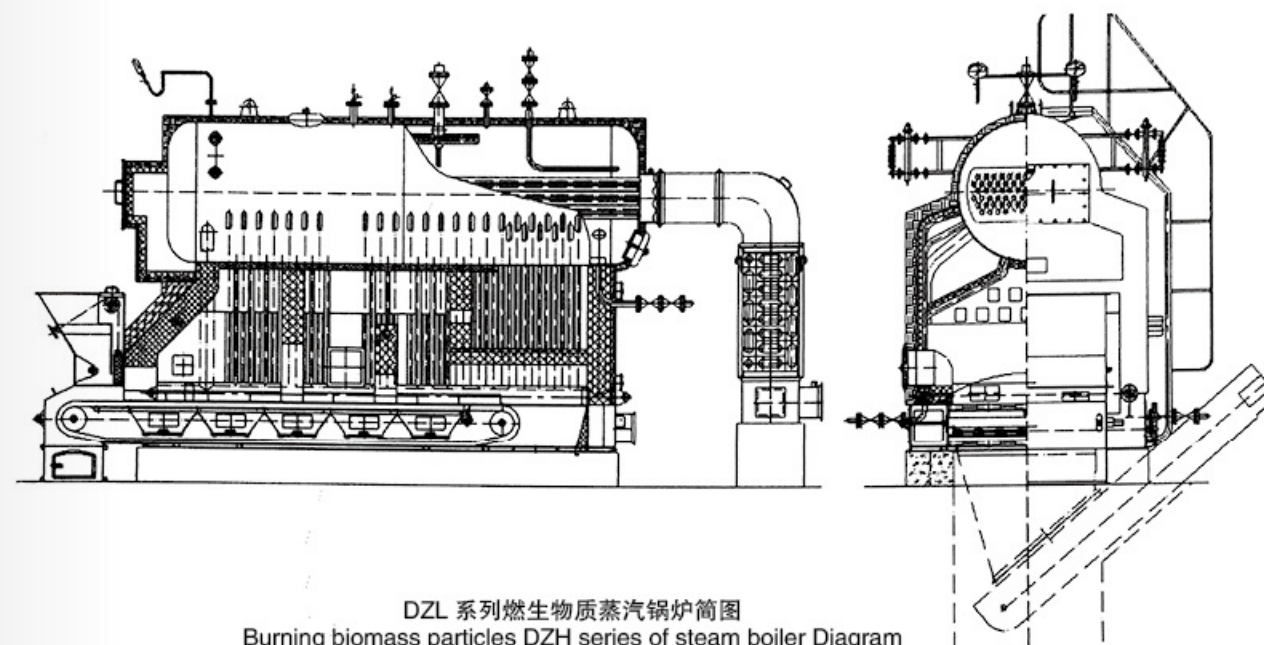


锅炉特点:

- 本产品采用链条炉排,适用燃料为成型颗粒燃料,可加少量木条、木块,也可与煤混烧。
- 1、采用拱型管板与螺纹烟管组成锅筒,使锅筒由准钢性体变为准弹性体结构,取消了管板区的拉撑件,减少了应力。管板内烟管由两回程改为单回程,解决了管板裂纹的难题。
 - 2、锅筒下部由于布置了上升管排,消除了锅筒底部的死水区,使泥渣不易沉积,锅筒高温区能得到良好的冷却,预防了锅筒下部鼓包。
 - 3、采用高效传热螺纹烟管,获得了强化传热效果,达到锅炉升温、升压快的特点,提高了锅炉的热效率。
 - 4、采用螺纹烟管强化传热,提高了传热系数和热效率。由于烟气在管内有扰动作用。烟管内不易积灰,起到自清扫的作用。
 - 5、独特的双层二次风设计,改善了生物质燃料着火条件,采用了独立风室,达到了合理布风,使炉膛内形成一个有利于燃烧的空气动力场,使得燃烧温度高、燃烧效率高。
 - 6、可实现模拟控速燃烧,不会产生爆燃;
 - 7、通过调整控速二次风量,可控制燃烧引燃速度;
 - 8、前后拱布置二次风,保证颗粒分解后的飞灰二次燃烧,燃烧效率高;
 - 9、采用鳞片式链条炉排,机械化进料。进料均匀,燃烧稳定,控制方便,具备不宜回火,机械清灰方便的特点。

Characteristics:

- This boiler adopt chain grate,suitable for molding pellet fuel,can add a small amount of wood,wood block,also can bum with coal.
- 1.The drum is consist of arched tube plate and thread smoke tube. so the drum is changed from the rigid body to quasi-elastic body. Canceled the braced pieces of tube plate area, reducing the stress. Smoke tube in tube plate become single backhaul from two return, this solve the problem of tube sheet cracks.
 - 2.Due to the layout of riser tube row in lower part of the drum.it eliminate dead water zones at the bottom,so that is not easy to deposit sludge,the drum high temperature zone can get good cooling, prevents the swell in the drum lower part.
 - 3.Adopt high heat transfer threaded pipe,obtained the strengthening heat transfer effect,achieve the characteristics of fast heating and fast boosting,improves the thermal efficiency of boiler.
 - 4.Use the threaded smoke pipe to enhance heat transfer,improved heat transfer coefficient and thermal efficiency.due to there are disturbances in the flue pipe,smoke tube is not easy to fouling, it play a role of self-cleaning.
 - 5.The unique double secondary design improved the ignition conditions of biomass fuel,adopt the independent wind chamber to achieve the reasonable ventilation,and form a air dynamic field which is beneficial to burn in the chamber of stove,achieve the higher combustion temperature and higher combustion efficiency.
 - 6.Can achieve the simulation speed combustion,won't produce explosion;
 - 7.By adjusting the secondary speed air volume control the speed of combustion ignition;
 - 8.The arch before and after arrange the secondary air, ensure secondary combustion of the fly ash after the particles decomposed, improve the combustion efficiency;
 - 9.Adopt scale chain grate to achieve mechanized feed, feed uniformly, combustion stability. easy to control, noteasy to temper, easy to cleaning.



DZL 系列燃生物质蒸汽锅炉简图
Burning biomass particles DZH series of steam boiler Diagram

技术参数:

Technical parameters:

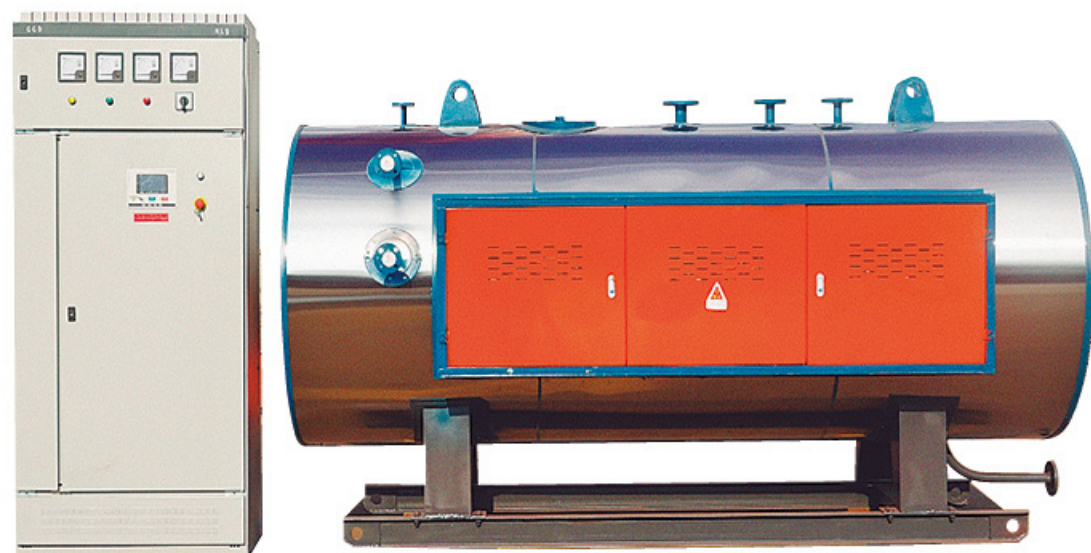
项目 Item	型号 Type	DZL1-1.0-T(SCI) DZL1-1.25-T(SCI)	DZL2-1.0-T(SCI) DZL2-1.25-T(SCI)	DZL4-1.25-T(SCI) DZL4-1.6-T(SCI)	DZL6-1.25-T(SCI) DZL6-1.6-T(SCI)	DZL8-1.25-T(SCI) DZL8-1.6-T(SCI)	DZL10-1.25-T(SCI) DZL10-1.6-T(SCI) (上下组装)
额定蒸发量 (t/h) Rated evaporation capacity		1	2	4	6	8	10
额定蒸汽压力 (MPa) Rated pressure		1.0/1.25	1.0/1.25	1.25/1.6	1.25/1.6	1.25/1.6	1.25/1.6
额定蒸汽温度 (°C) Rated steam temperature		184/194	184/194	194/204	194/204	194/204	194/204
额定给水温度 (°C) Feed water temperature		20	20	20	20	20	20
受热面积 (m²) Heating area	本体 Body	~33	~58.78	~107.98	~170	~200	~250
	省煤器 Economizer	10.56/20.7	27.72	52.48/65.4	87.2	98	174
炉排有效面积 (m²) Effective area of grate		2.22	3.45	6.2	7.95	9.75	10.77
燃料种类 Fuel type	生物质颗粒成型燃料 Biomass pelle fuel						
锅炉燃料消耗量 (kg/h) Fuel consumption		~200	~394.54	~823.3	~1200	~1600	~2010
排烟温度 (°C) Fuel gas temperature		~150	~137.47	~127.6	~150	~150	~150
最大运输件重量 (t) Weight of biggest part for transportation		17	19.14	22.5	35	45	33(上部)Upside 28(下部)Underpart
最大运输件尺寸 长*宽*高 (mm) Overall dimension of biggest part of transportation		5.1x2.2x3	5.4x2.4x3.1	6.5x2.75x3.4	8.2x2.9x3.8	8.1x3.1x3.8	7.7x3.2x3.6 8.6x3.0x2.6

★注:参数仅供参考,若有变动以实际图纸为准。
★ Notes: parameters are for reference only,if any changes should follow actual drawings.



WDR系列电加热蒸汽锅炉

WDR Series Electric Heating Steam Boiler



锅炉特点:

采用炉体电控制柜分离方式,避免了电气元件受热老化而影响使用寿命。电热管选用国内外优质产品、正常使用寿命20000小时,热效率近99%,运行安静、清洁,符合环保的要求,不会向大气排放NO_x(氮氧化物)。运行采用PLC控制系统,全免操作按钮、全免指示灯、触摸屏面板、中英文显示、人机对话、操作授权、实时信息、自动翻页。

1、所有电气元件具有CE和CCC认证标志以确保产品安全及使用寿命。

2、每组电热元件采用集中束型法兰连接,独立设置,具有结构简单,机械强度高,安全可靠,更换方便,使用寿命长等特点。

3、具有较大的蒸汽空间、蒸汽品质好。

4、机电分体安装,电控元件远离热源,有利散热。可单台或多台并联使用。

5、PLC微电脑可编程控制及显示屏;通过人机界面实现温度设定自动控制出水温度。显示屏可显示设备状态运行参数及故障报警。

Characteristics:

This series boiler makes the electrical control cabinet separate from boiler body to avoid affecting the boiler's working life when the electrical elements become ageing. The electrical heated tube can be used for about 20000 hours; its thermal efficiency could almost be 99% and will not release NO_x to the air, it is environmental. The control system is PLC, with LCD screen, auto indicators, Chinese and English display, etc.

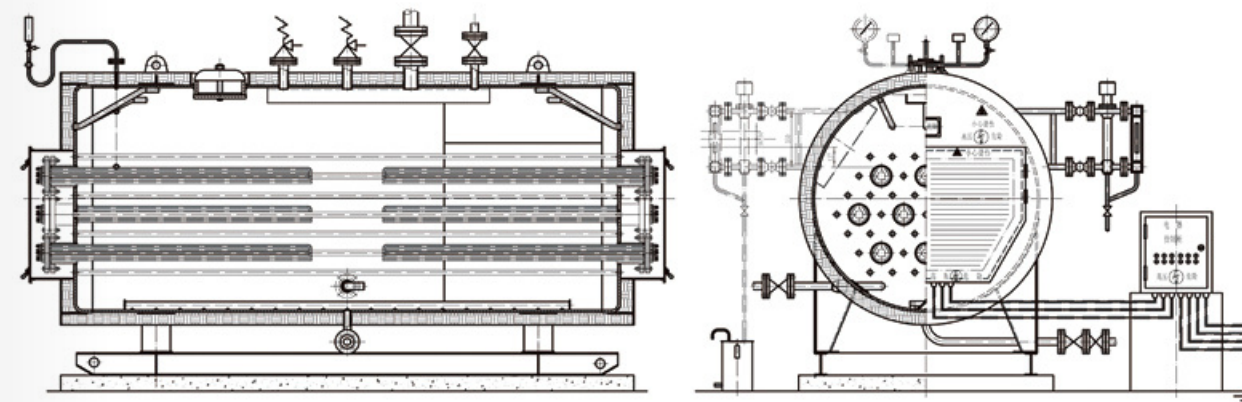
1. All the electrical elements have the CE and CCC certification to make sure the boiler safety and long live.

2. Each group electrical heating elements focus on type of flange connection to make the structure simple, safe and easy to repair.

3. With large steam space and good quality steam.

4. Electrical control cabinet separated from boiler body can make heat emission easily and many sets of parallel.

5. PLC control system control and display make the operation simple and safe. People can control water temperature. Screen can show equipment operation parameters and produce alarm in the fault.



技术参数:

Technical parameters:

项目 Item	型号 model	WDR0.5-1.25	WDR1.0-1.25	WDR2.0-1.25	WDR3.0-1.25	WDR4.0-1.25	WDR6.0-1.25
额定蒸汽量 (t/h) Rated steam		0.5	1.0	2.0	3.0	4.0	6.0
额定蒸汽压力 (Mpa) Rated pressure		1.25	1.25	1.25	1.25	1.25	1.25
额定蒸汽温度 (°C) Rated steam temperature		194	194	194	194	194	194
热效率 (%) Heat Efficiency		99					
外形尺寸 (mm) Size		3036x1400x1806	3000x1400x1650	4000x1700x1950	3910x1800x2292	6800x1900x2100	6560x2170x2290

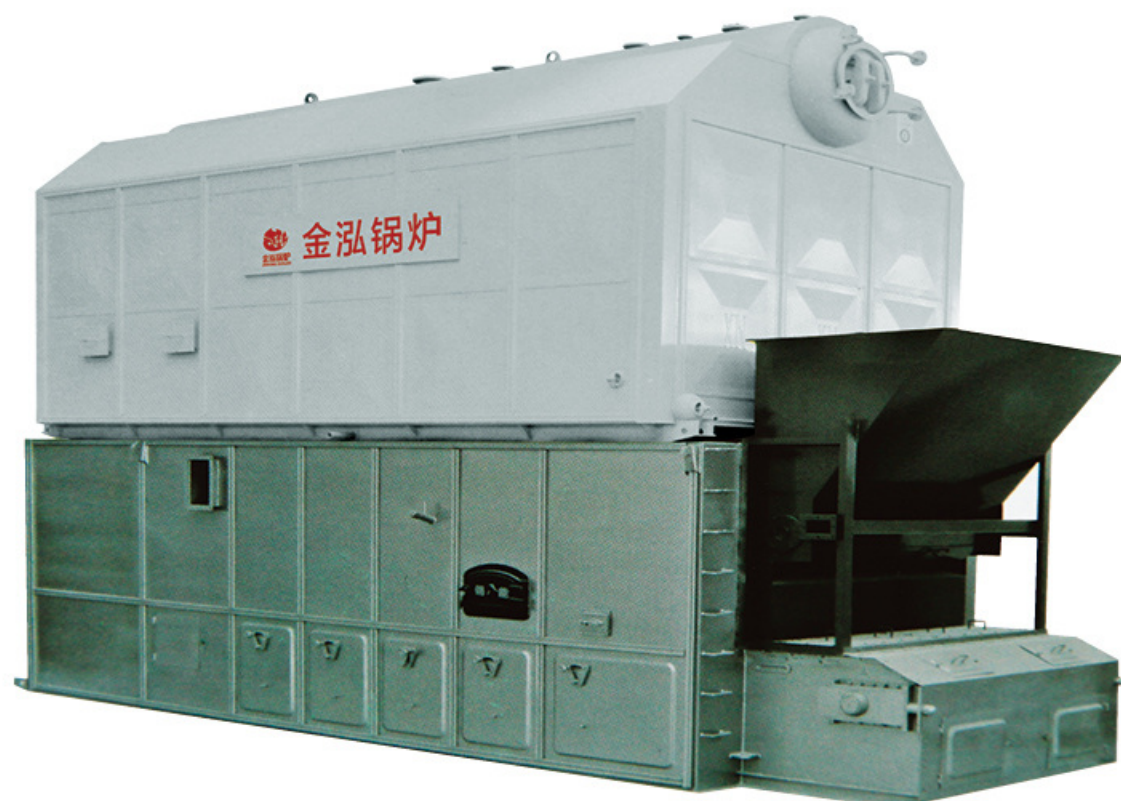
★注:参数仅供参考,若有变动以实际图纸为准。

★ Notes: parameters are for reference only, if any changes should follow actual drawings.



SZL系列水管蒸汽及热水锅炉

SZL Series Water Tube Steam Boiler And Hot Water Boiler



产品介绍:

Product Introduction:

SZL 型系列锅炉是我公司技术人员根据国内外先进技术和经验设计而成的卧式双锅筒纵置式链条炉排水管蒸汽和热水锅炉。该系列产品技术、性能、环保指标均达到国际先进水平，为锅炉行业主导产品。具有以下特点：

- 1、锅炉采用快装或组装机结构，2~4t/h 为快装水管结构，在厂内全部整装后出厂，6~25t/h 由上下两大件组成，上部大件为受热面，下部大件为燃烧设备。
- 2、链条上料斗采用增加刮板拨料，能解决下料不均；上料距炉排空间距离在給料撒向炉排时初步将物料进行再次烘干进一步解决物料湿度，从而保证物料在炉膛内充分燃烧。
- 3、该锅炉燃料经上料系统投入燃烧室，进行燃烧，燃烧后形成的高温烟气及残留物经对流管束进入内置式旋风分离除尘系统，进行首次旋风分离除尘，经落灰口排入清灰池，其分离后的高温烟气进入二级对流管束，三级对流管束，经节能器及除尘系统排出。该锅炉主要特点：炉内分离除尘等优点，特别适合农作物茎秆，生物质成型颗粒，木片，糠醛渣及焚烧造纸原料垃圾等燃料燃烧，既减少环境污染，又给企业增加效益。
- 4、20t/h 组装机水管锅炉由前炉膛、后炉膛、对流管束、省煤器及链条炉排组成，并分别装配成整体出厂。
- 5、本锅炉吸取快装锅炉的优点，结构紧凑、锅炉房为单层布置具有现场安装方便、周期短、费用低、操作简便等特点。
- 6、本系列蒸汽锅炉适用于工业及生活用汽，相应容量的热水锅炉适用于工业及民用采暖。

产品介绍:

Product Introduction:

SZL Series Boiler is designed by our engineer that learn the advanced technology at home and abroad and experience, which is the horizontal type double drum Longitudinal type chain grate water tube steam boiler and hot water boiler. This series boiler has reached the international advanced level at technology, performance, environment protection.

- 1、The boiler adopt the fast assembly package assembly structure, 2 ~ 4t/h is the fast assembly water tube structure, all parts are in whole assembly then leave factory, 6 ~ 25t/h is consisted of up and down big parts. The upper part is the body heating surface, the down part is the burning equipment.
- 2、The chain upper hopper is equipped with a scraper to pull the material, which can solve the uneven blanking; The space distance between the feeding and the grate is that when the feeding is scattered to the grate, the materials are preliminarily dried again to further solve the material humidity, so as to ensure the full combustion of materials in the furnace.
- 3、The fuel of the boiler is put into the combustion chamber through the charging system for combustion. The high-temperature flue gas and residues formed after combustion enter the built-in cyclone separation and dust removal system through the convection tube bundle for the first cyclone separation and dust removal, and are discharged into the ash cleaning pool through the ash chute. The separated high-temperature flue gas enters the secondary convection tube bundle and the tertiary convection tube bundle and is discharged through the energy saver and dust removal system. The main features of the boiler are: separation and dust removal in the furnace. It is especially suitable for fuel combustion such as crop stalks, biomass formed particles, wood chips, furfural residue and incineration of papermaking raw material waste, which not only reduces environmental pollution, but also increases benefits to enterprises.
- 5、20t/h assembly water tube boiler is made of the front furnace, back furnace, convection bank, economizer and chain grate, and assembly to be whole set the leave factory.
- 6、The boiler absorb the advantage of the fast assembly, compact structure, the boiler room is the single layer layout, Convenient installation on site, short period, low cost, easy operation etc .
- 7、This series steam boiler is widely used in industry and life which need steam, the relevant capacity hot water boiler is widely used in industry and heating for civil use.

型号model 项目Item		SZL4-1.25-SCII SZL4-1.6-SCII SZL4-2.5-SCII SZL2.8- 0.7/95/70-SCII 快装 fast assembly	SZL6-1.25-SCII SZL6-1.6-SCII SZL6-2.5-SCII SZL4.2- 1.0/95/70-SCII 组装机 packaging assemb	SZL8-1.25-SCII SZL8-1.6-SCII SZL8-2.5-SCII SZL5.6- 1.0/95/70-SCII 组装机 packaging assem	SZL10-1.25-SCII SZL10-1.6-SCII SZL10-2.5-SCII SZL7- 1.0/95/70-SCII 组装机 packaging assembly	SZL15-1.25-SCII SZL15-1.6-SCII SZL15-2.5-SCII SZL10.5- 1.0/115/70-SCII 组装机 packaging assembly	SZL20-1.25-SCII SZL20-1.6-SCII SZL20-2.5-SCII SZL14- 1.0/115/70-SCII 组装机 packaging assembly	SZL35-1.25-SCII SZL35-1.6-SCII SZL35-2.5-SCII SZL24.5- 1.0/115/70-SCII 组装机 packaging assembly
		额定蒸发量Rated evaporation capacity(t/h) 额定供热量Rated supply heat capacity(MW)	4/2.8	6/4.2	8/5.6	10/7	15/10.5	20/14
工作压力Working pressure(MPa)		1.25/1.6/2.5/0.7	1.25/1.6/2.5/1.0	1.25/1.6/2.5/1.0	1.25/1.6/2.5/1.0	1.25/1.6/2.5/1.0	1.25/1.6/2.5/1.0	1.25/1.6/2.5/1.0
额定蒸汽温度Rated steam temperature 出口温度outlet temperature(℃)		194/204/226/95	194/204/226/95	194/204/226/95	194/204/226/95	194/204/226/115	194/204/226/115	194/204/226/115
给水温度Feed water temperature 回水温度Return water temperature(℃)		20/70	20/70	20/70	20/70	20/70	20/70	20/70
受热面积 Heating area(m²)	本体Body(m²)	100	142	215	234	318.5	437(汽steam) 396(水water)	787
	省煤器Economizer(m²)	66	130	130	174	348.8 (汽steam) 174 (水water)	377.6 (汽steam) 236 (水water)	524
炉排有效面积Effective area of grate(m²)		6.72	7.52	10.25	11.8	18	23.2	33.7
燃料种类Fuel type		生物颗粒、稻壳、植物秸秆、食用菌废料Biological particles, rice husk, plant straw, edible fungus waste						
锅炉燃料消耗量Fuel consumption(kg/h)		~768	~1185	~1570	~1900	~2900	~3850	~6800
排烟温度Exhaust flue gas temperature(℃)		105~120	105~120	105~120	95~110	95~110	95~110	95~110
锅炉热效率Thermal efficiency(%)		85~86	85~86	85~86	86~91	86~91	86~91	86~91
最大运输重量 Weight of biggest part for transportation(t)		30	22.5	25	28	30	35	52
最大运输件尺寸 Overall dimension part for transportation 长×宽×高L*W*H(mm)		7730×2360×3520	上up 6150×2840×3540 下down 7275×2852×2580	上up 6970×2833×3540 下down 8056×2845×2580	上up 7855×3240×3540 下down 9025×3200×2580	上up 10000×3240×3540 下down 12000×3200×3080	上up 11000×3240×3540 下down 14000×3200×3080	上up 8500×1830×1850 下down 14075×4400×3170

★注：参数仅供参考，若有变动以实际图纸为准。

★ Notes: parameters are for reference only, if any changes should follow actual drawings.



YY(Q)W燃油燃气撬装导热油锅炉

YY (Q) W Fuel Gas Pry Mounted Thermal Oil Boiler



锅炉特点:

Characteristics:

以油(气)为燃料,以导热油为介质,利用热油循环油泵强制介质进行液相循环,将热能输送给用热设备后再返回导热油炉重新加热,具有在低的压力下获得高的工作温度,并且能对介质运行进行高精密控制工作。系统热利用率高,由于模块整体安装,运行维修方便,是一种安全、高效、节能的理想首选供热设备。燃料油(气)由燃烧器点火后产生的高温火焰进入内盘管内形成辐射受热面,经由内盘管后部向前旋转 180° 进入内、中外管的夹层区形成对流受热面。然后在夹层的上部进入中、外盘管的第二夹层区,在第二夹层区的后部到烟囱排入大气。

导热油炉性能特点:

- 1、可由用户根据现场特点确定撬装设备;
- 2、拆迁、运输方便,便于流动;
- 3、适用长、短期运行,更能降低短期运行或无法投产前的投资风险;
- 4、占地面积小,减少锅炉房投资;
- 5、即装即用,节省安装费用。

With oil (gas) as the fuel and heat conducting oil as the medium, the hot oil cycling pump forces the medium to recycle in liquid form to transfer heat to the heat equipment and sends it back to the heat conduction furnace for re-heating. The heater can get high working temperature under low pressure and control the medium to conduct precision work. It features high heat utilization rate, whole module installation, simple operation and maintenance, thus it is a type of ideal equipment that is reliable, efficient and energy-saving. The high-temperature flame generated by the ignition of the oil (gas) by the burner forms the heating surface after entering the internal coil pipe. Rotating by 180 degrees after passing the rear part of the internal pipe, it forms the convection heating surface in the interlayer area of the internal and external pipes. Passing through the upper part, it enters the second interlayer section of the two pipes, passes the rear part of the second interlayer section and is discharged into the air through the chimney. Characteristics of the heater include:

1. The user can determine the skid mounted equipment according to the site characteristics;
2. It is convenient for demolition, transportation and flow;
3. It is suitable for long-term and short-term operation, and can reduce the investment risk before short-term operation or failure to put into production;
4. Small floor area to reduce the investment of boiler house;
5. Install and use immediately to save installation cost.

导热油炉控制系统说明:

该系列导热油炉,由较先进的程序控制器控制,能实现正常燃烧所必需的各种功能,能在正常状态、事故状态及非常情况下,自动实施保护性报警,配以相应的液位控制器、压力控制器、温度控制器,实现进出口压力指示、进出口温度指示,保证热载体温度在正常范围内波动,压力在允许压力波动范围内。

Introduction to the control system of the thermal oil furnace

These series of thermal oil furnaces are controlled by programmed controller, realizing all functions required by normal burning. It automatically realizes protective warning of accidents or other abnormal conditions. Together with the liquid level controller, pressure controller and temperature controller, the system realizes indications of pressure and temperature at the inlet and outlet, ensuring that the temperature and pressure fluctuate within the allowable ranges.

技术参数:

Technical parameters:

型号 Type 项目 Item		YY(Q)W- 120Y(Q)	YY(Q)W- 240Y(Q)	YY(Q)W- 350Y(Q)	YY(Q)W- 500Y(Q)	YY(Q)W- 700Y(Q)	YY(Q)W- 1000Y(Q)	YY(Q)W- 1200Y(Q)	YY(Q)W- 1400Y(Q)	YY(Q)W- 1800Y(Q)	YY(Q)W- 2100Y(Q)	YY(Q)W- 2400Y(Q)	YY(Q)W- 3000Y(Q)	YY(Q)W- 3500Y(Q)	YY(Q)W- 4700Y(Q)	YY(Q)W- 6000Y(Q)	YY(Q)W- 7000Y(Q)	YY(Q)W- 10000Y(Q)		
额定热功率 (kw) Rated Thermal Power		120	240	350	500	700	1000	1200	1400	1800	2100	2400	3000	3500	4700	6000	7000	10000		
设计压力 (Mpa) Designed Pressure		1.0																		
介质出口温度 ℃ Temperature at Medium Outlet		≤ 350																		
受热面积 m² Heating Area		9.8	14.5	21.3	24	40	50	64.6	78.5	87	94.5	106.2	163	205.2	254.3	325	410	520		
适用燃料 Applicable Fuel		轻油 / 天然气 / 城市煤气					轻油 / 重油 / 天然气 / 城市煤气													
燃料 耗量 Fuel Consumption	轻油 kg/h Light Oil	12	25	37	52	69	100	120	140	180	210	244	300	350	470	580	680	970		
	天然气 Nm³/h Natural Gas	15	30	44	63	83	120	145	170	220	260	296	365	425	570	700	810	1160		
供气压力 Pressure of supplied Gas	天然气 mbar Natural Gas	30-100					50-150						50-200			100-300				
设备 总电功率	燃轻油 KW Light Oil	4	8	10	10	18	26	26	26	46	46	46	66	78	98	115	115	132		
	燃气 KW Gas	4	8	10	10	18	25	26	26	46	46	46	64	72	95	110	110	128		
炉内容油量 m³ Oil Capacity in the Boile		0.1	0.15	0.25	0.3	0.5	0.8	0.85	1.1	1.2	1.7	1.9	3.5	3.8	4.2	6.2	7	10.5		
锅炉外形尺寸 mm External Dimensions of Boiler		1600 x 1020 x 1520	1930 x 1230 x 1868	2100 x 1390 x 2055	2200 x 1390 x 2055	3240 x 1470 x 2260	3300 x 1670 x 2486	3630 x 1770 x 2587	4145 x 1900 x 2786	4600 x 2000 x 3045	5020 x 2050 x 3080	5080 x 2200 x 3180	5983 x 2420 x 3404	6555 x 2470 x 3634	7285 x 2570 x 3760	7800 x 3050 x 3800	8200 x 3050 x 3800	10000 x 3500 x 4000		
锅炉运输重量 T Transportation Weight of Boiler		1.5	2	2.58	3	3.7	5	5.8	6.7	7.8	8.8	9.8	15.5	17.8	21.5	25	27.5	32		
进油口 DN Oil Inlet		45	65	80		100	125			150				200			250		300	
出油口 DN Oil Outle		45	65	80		100	125			150				200			250		300	
膨胀罐 m³ Expansion Tank		0.5		1.5			2		2.5			3			5		6			
储油罐 m³ Oil Tank		1		2.5			4		5			8			10		15			
φ 烟囱直径 mm φ Chimney Diamete		200	280				350				400		500			600		700		800

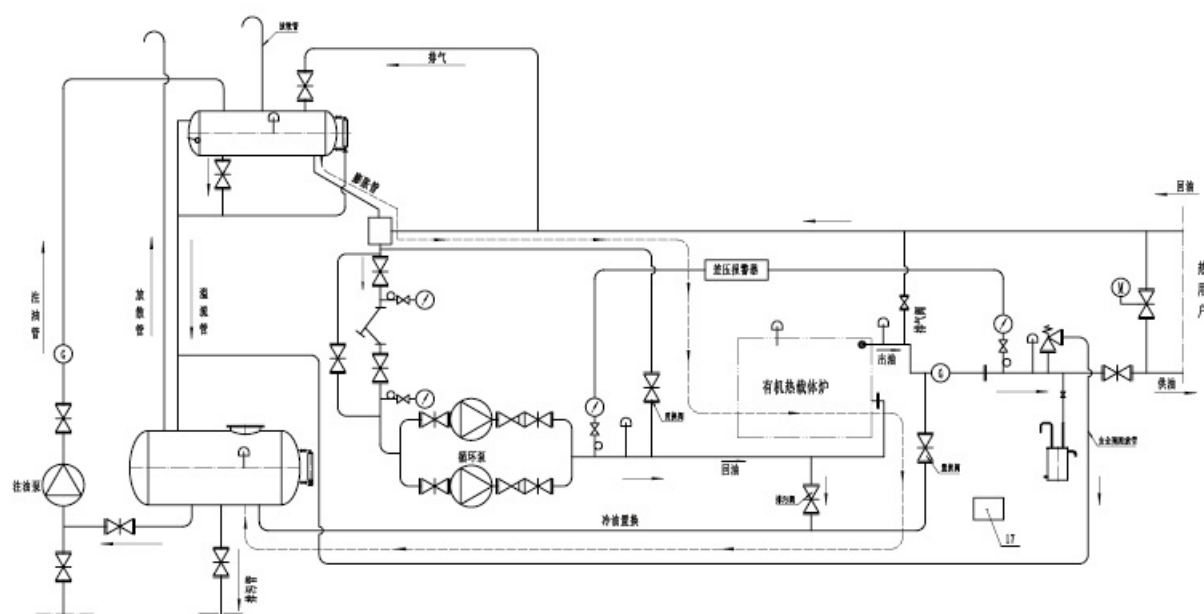
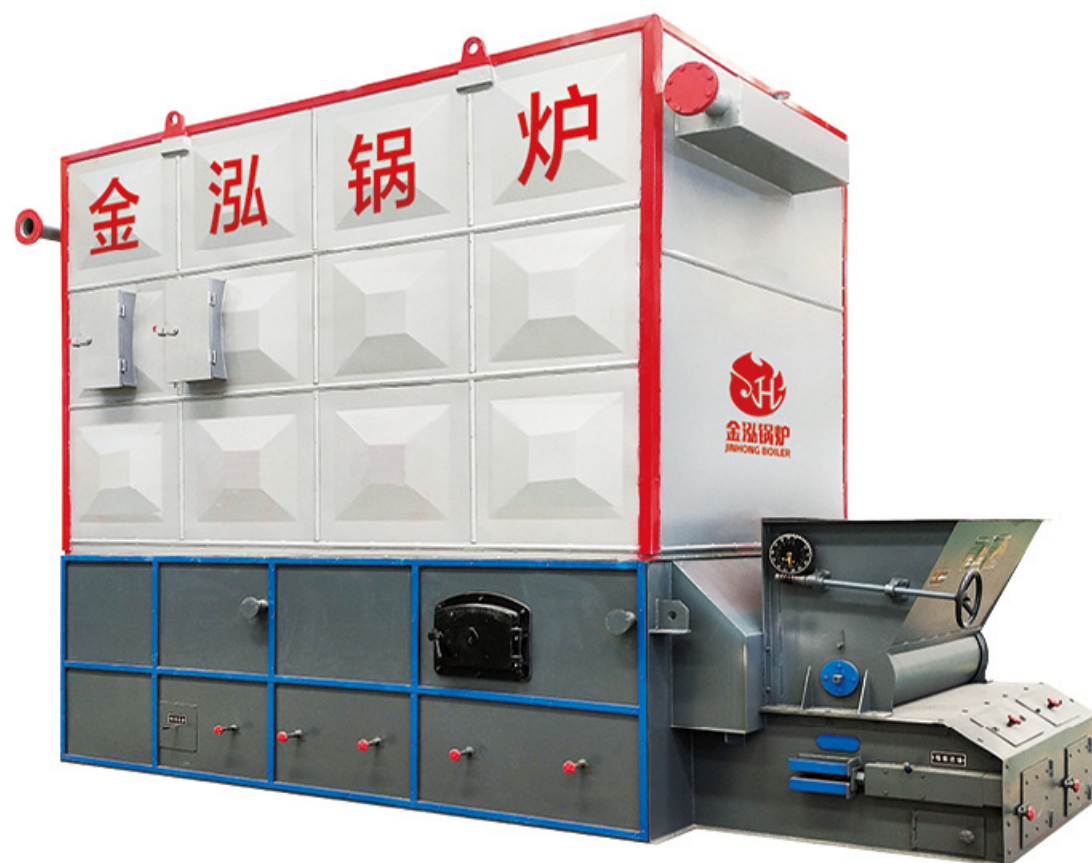
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YLB卧式链条生物质导热油炉

YLB Horizontal Chain Biomass Heat Transfer Oil Furnace



产品特点:

有机热载体炉是一种新型的特种锅炉又称导热油炉,具有低压、高温工作特性,其供热温度可达到液相340℃或汽相400℃。凡是需要均匀稳定地加热,且不允许火焰直接加热的工艺加热温度在150℃-380℃之间的各种生产场合中都可以采用有机热载体供热。

卧式生物质导热油炉以生物质和木柴为燃料,以导热油为介质,利用热油循环油泵强制介质进行液相循环,将热能输送给用热设备后再返回加热炉重新加热,具有在低的压力下获得高的工作温度,并且能对介质运行进行高精密控制工作。系统热利用率高,由于模块整体安装,运行维修方便,是一种安全、高效、节能的理想供热设备。

- 1、获得低压高温热介质,调节方便,供热均匀,可以满足精确的工艺温度。
- 2、液相循环供热,无冷凝排放热损失,供热系统热效率高。
- 3、工作介质受热及放热和温度升降对体积的变化,在系统内有补偿技术措施。
- 4、循环供热前有严格控制工作介质内空气、水分及其他低挥发物含量的技术措施。

Product features:

Organic heat carrier boiler is a new type of special boiler, also known as heat transfer oil boiler, with low pressure and high temperature operating characteristics. Its heating temperature can reach 340 °C in the liquid phase or 400 °C in the vapor phase. Organic heat carriers can be used in various production occasions where the process heating temperature is between 150 °C and 380 °C, which requires uniform and stable heating and does not allow direct flame heating.

The horizontal biomass heat transfer oil furnace uses biomass and wood as fuel and heat transfer oil as medium. It uses the hot oil circulating oil pump to force the medium to carry out liquid phase circulation. The heat energy is transferred to the heat equipment and then returned to the heating furnace for reheating. It has the ability to obtain high operating temperature under low pressure and can carry out high-precision control of the medium operation. The system has a high heat utilization rate. Due to the overall installation of the module and the convenient operation and maintenance, it is a safe, efficient and energy-saving ideal heating equipment.

1. The low pressure and high temperature heat medium can be obtained, which is convenient for adjustment and uniform for heating, and can meet the precise process temperature.
2. Liquid-phase circulating heat supply, no heat loss of condensation discharge, and high thermal efficiency of the heating system.
3. There are compensation technical measures in the system for the volume changes caused by the heating and heat release of the working medium and the temperature rise and fall.
4. Before circulating heat supply, there are technical measures to strictly control the air, water and other low volatile content in the working medium.

技术参数:

Technical parameters:

项目 project	型号 model	YLB-1400SCII	YLB-1800SCII	YLB-2400SCII	YLB-3000SCII	YLB-3500SCII	YLB-4200SCII	YLB-4700SCII	YLB-6000SCII	YLB-7000SCII
额定热功率 (KW) Rated thermal power		1400	1800	2400	3000	3500	4200	4700	6000	7000
额定工作压力 (Mpa) Rated working pressure		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
最高工作温度 (°C) Maximum operating temperature		310	310	310	310	310	310	310	310	310
适用燃料 Applicable fuel	生物质成型燃料 Biomass briquette									
生物质燃料消耗 (Kg/h) Biomass fuel consumption		300	400	500	700	750	950	1100	1250	1500
炉内容油量 (L) Oil content in furnace		1.25	1.3	2.8	3.1	3.3	4.2	4.6	5.5	6.8
循环油量 (L) Circulating oil quantity		81	102	140	230	231	235	250	350	460
进出管口径 (DN) Diameter of inlet and outlet pipe		125	150	150	150	200	200	200	250	250
运输重量 (T) Transport weight		14	20	25	30	35	40	44	48	50
最大件运输尺寸 (mm) Maximum transport size	长 long	4121	4400	5680	6000	6400	6900	7680	7900	8400
	宽 wide	1900	2400	2480	2650	2770	2820	2985	3200	3300
	高 high	2900	3000	3240	3240	3470	3470	3715	3475	3475

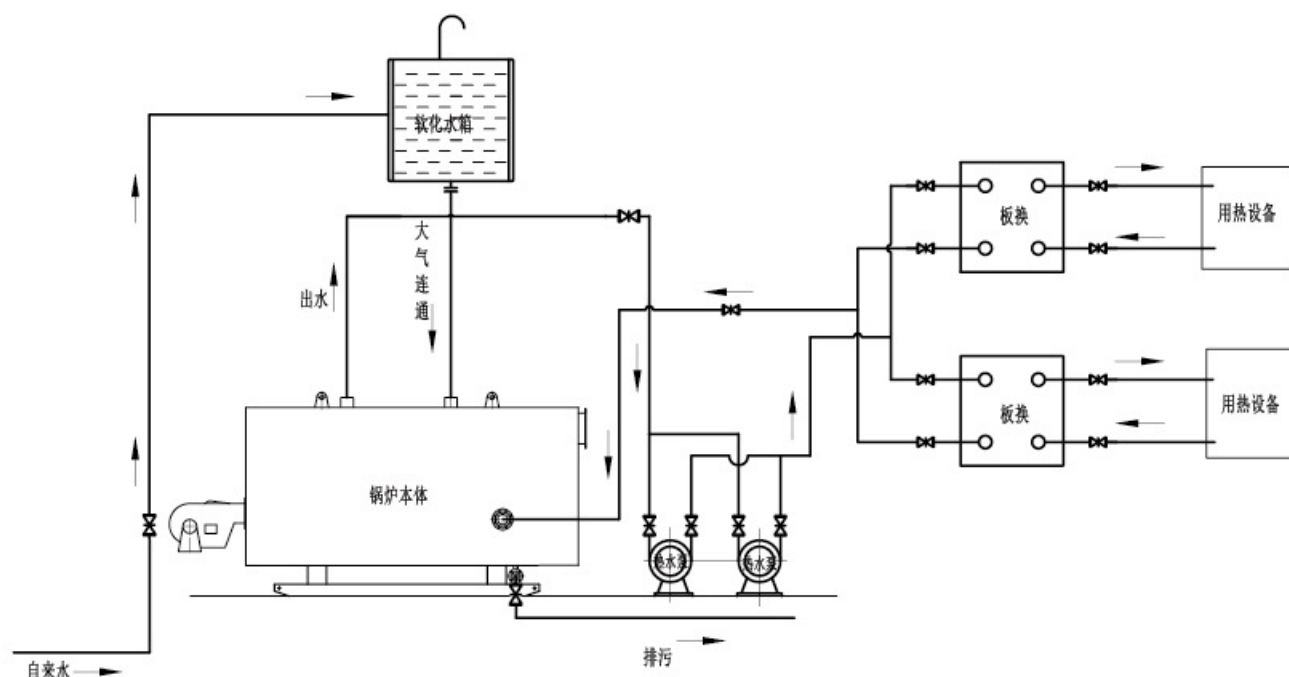
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CWNS卧式燃油燃气常压热水锅炉

CWNS Horizontal Oil And Gas Fired Atmospheric Hot Water Boiler



产品特点:

1. 锅炉采用三回程布置, 波纹炉胆强化了传热, 从而增加受热面积, 降低了锅炉成本。
2. 采用新型硅酸铝板作为保温材料, 其保温性能好, 重量轻, 使用年限长、易于维修。
3. 整个锅炉系统安全可靠, 锅炉装有超温安全保护装置, 使锅炉更加稳定易用。
4. 燃烧系统采用原装燃烧机, 燃烧充分、氮氧化物排放小、有熄火保护、气压保护, 故障记忆。
5. 控制系统选用智能型电脑控制器, 具有自动补水、燃烧、循环控制等自动控制功能, 操作简便。

Product features:

1. The boiler is arranged in three loops, and the corrugated furnace liner strengthens the heat transfer, thus increasing the heating area and reducing the boiler cost.
2. The new aluminum silicate plate is used as thermal insulation material, which has good thermal insulation performance, light weight, long service life and easy maintenance.
3. The whole boiler system is safe and reliable. The boiler is equipped with overtemperature safety protection device, which makes the boiler more stable and easy to use.
4. The combustion system adopts the original combustion engine, which has sufficient combustion, low nitrogen oxide emission, flameout protection, air pressure protection and fault memory.
5. The control system adopts intelligent computer controller, which has automatic control functions such as automatic water supply, combustion and circulation control, and is easy to operate.

技术参数:

Technical parameters:

型号 model		CWNS 0.24-85/60-YQ	CWNS 0.35-85/60-YQ	CWNS 0.49-85/60-YQ	CWNS 0.7-85/60-YQ	CWNS 1.05-85/60-YQ	CWNS 1.4-85/60-YQ	CWNS 1.75-85/60-YQ	CWNS 2.1-85/60-YQ	CWNS 2.8-85/60-YQ	CWNS 4.2-85/60-YQ	CWNS 5.6-85/60-YQ	CWNS 7.0-85/60-YQ	CWNS 10.5-85/60-YQ
项目 project														
额定供热量 (万大卡) Rated heating capacity		20	30	40	60	90	120	150	180	240	360	480	600	900
出水温度 (°C) Outlet water temperature		85	85	85	85	85	85	85	85	85	85	85	85	85
回水温度 (°C) Return water temperature		60	60	60	60	60	60	60	60	60	60	60	60	60
热效率 (%) thermal efficiency		93	93	93	93	93	93	93	93	93	93	93	93	93
燃料消耗量 Fuel consumption	天然气 (m³/h) natural gas	28.6	42.9	57.1	85.7	128.6	171.4	214.3	257.1	342.9	514.3	685.7	857.1	1285.7
	液化气 (m³/h) liquid gas	22.9	34.3	45.7	68.6	102.9	137.1	171.4	205.7	274.3	411.4	548.6	685.7	1028.6
	城市煤气 (m³/h) City gas	60.0	90.0	120.0	180.0	270.0	360.0	450.0	540.0	720.0	1080.0	1440.0	1800.0	2700.0
	轻柴油 (Kg/h) Light diesel	23.5	35.3	47.1	70.6	105.9	141.2	176.5	211.8	282.4	423.5	564.7	705.9	1058.8
	重油 (Kg/h) heavy oil	24.0	36.0	48.0	72.0	108.0	144.0	180.0	216.0	288.0	432.0	576.0	720.0	1080.0
供气压力 (KPa) Air supply pressure		2-4	3-4	3-5	3-6	4-6	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10
耗电功率 (KW) Power consumption		4	6	7	7	9	11	15	15	24	43	61	70	84
电源电压 (V) supply voltage		220	220	380	380	380	380	380	380	380	380	380	380	380
运输参考重量 (T) Transport reference weight		1.9	2.2	2.6	3.0	3.5	4.1	4.6	5.1	7.5	9.2	14	18.7	25
运输参考尺寸 (mm) Transport reference dimension	长 long	2500	2500	2600	3000	3500	3600	4200	4200	4700	5800	6200	6800	8000
	宽 wide	1060	1160	1260	1360	1460	1660	1660	1800	2000	2100	2300	2600	2700
	高 high	1450	1600	1700	1800	1900	2100	2100	2300	2400	2500	2700	3100	3200

★上述所有值, 是以天然气低位发热值 8,400Kcal/Nm³、液化气低位发热值 10,500Kcal/Nm³、城市煤气低位发热值 4,000kcal/Nm³、轻油低位发热值 10,200Kcal/Kg、重油低位发热值 10,000Kcal/Kg 为标准计算。
All the above values are calculated based on the low level heating value of natural gas 8,400Kcal/Nm³, low level heating value of liquefied gas 10,500Kcal/Nm³, low level heating value of city gas 4,000kcal/Nm³, low level heating value of light oil 10,200Kcal/Kg, and low level heating value of heavy oil 10,000Kcal/Kg.

★注: 参数仅供参考, 若有变动以实际图纸为准。

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ZKS卧式燃油(气)真空热水锅炉

ZKS Horizontal Fuel (Gas) Vacuum Hot Water Boiler

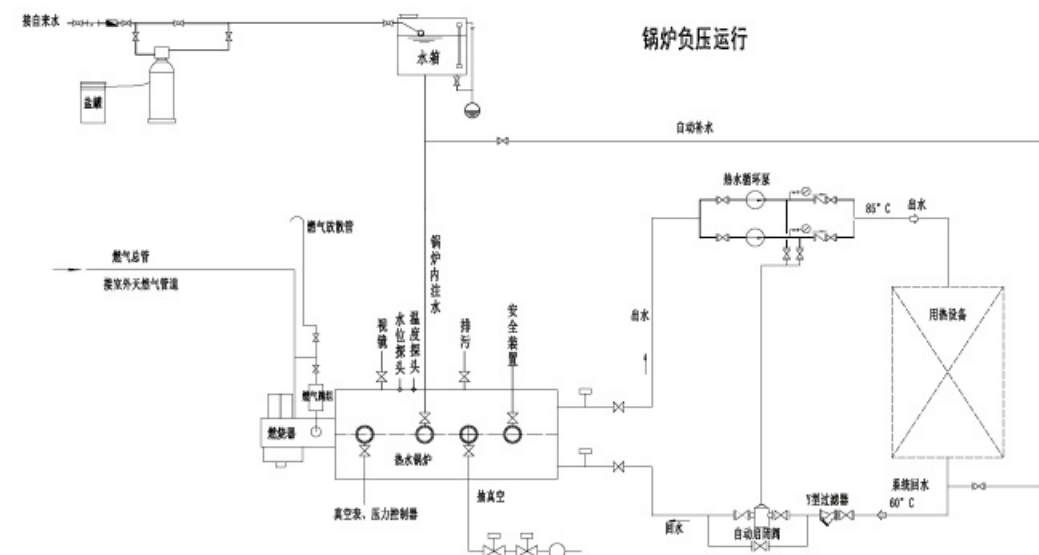


结构特点:

Structural features:

- 1、真空热水锅炉有着比常规热水锅炉运行费用更低、投资费用更省,使用寿命更长、安全性能更好的优点,且具有常压和有压锅炉所无法比拟的安全可靠性。
- 2、内置式不锈钢换热器,换热效率高,水质清洁;烟管内置扰流片,增加了换热效率,使结构更加紧凑;进口燃烧器,高效燃烧,噪音、废气排放极低。
- 3、锅炉与换热器的一体化设计,节省空间,大大减少占地面积。
- 4、安全可靠:真空相变锅炉因其介质流通系统的压力低于大气压力,机组运行时的内部绝对压力为 0.02 ~ 0.08MPa,机组处于真空状态,因而相对常规热水锅炉较安全可靠。

1. The vacuum hot water boiler has the advantages of lower operating cost, lower investment cost, longer service life and better safety performance than the conventional hot water boiler, and has the safety and reliability unmatched by atmospheric and pressure boilers.
2. Built-in stainless steel heat exchanger with high heat exchange efficiency and clean water quality; The smoke pipe is internally equipped with a spoiler, which increases the heat exchange effect and makes the structure more compact; Imported burner, efficient combustion, low noise and exhaust emission.
3. The integrated design of boiler and heat exchanger saves space and greatly reduces the floor area.
4. Safe and reliable: Because the pressure of the medium circulation system of the vacuum phase-change boiler is lower than the atmospheric pressure, the internal absolute pressure of the unit during operation is 0.02~0.08MPa, and the unit is in vacuum, so it is safer and more reliable than the conventional hot water boiler.



技术参数:

Technical parameters:

项目 project	型号 model	ZKS0.24-80/60-YQ	ZKS0.35-80/60-YQ	ZKS0.49-80/60-YQ	ZKS0.7-80/60-YQ	ZKS1.05-80/60-YQ	ZKS1.4-80/60-YQ	ZKS2.1-80/60-YQ	ZKS2.8-80/60-YQ	ZKS3.5-80/60-YQ
额定供热量 (万大卡) Rated heating capacity		20	30	40	60	90	120	180	240	300
出水温度 (°C) Outlet water temperature		80	80	80	80	80	80	80	80	80
回水温度 (°C) Return water temperature		60	60	60	60	60	60	60	60	60
热效率 (%) thermal efficiency		93	93	93	93	93	93	93	93	93
燃料消耗量 Fuel consumption	天然气 (m³/h) natural gas	28.6	42.9	57.1	85.7	128.6	171.4	257.1	342.9	428.6
	液化气 (m³/h) liquid gas	22.9	34.3	45.7	68.6	102.9	137.1	205.7	274.3	342.9
	城市煤气 (m³/h) City gas	60.0	90.0	120.0	180.0	270.0	360.0	540.0	720.0	900.0
	轻柴油 (Kg/h) Light diesel	23.5	35.3	47.1	70.6	105.9	141.2	211.8	282.4	352.9
	重油 (Kg/h) heavy oil	24.0	36.0	48.0	72.0	108.0	144.0	216.0	288.0	360.0
供气压力 (KPa) Air supply pressure		2~4	3~4	3~5	3~6	4~6	6~10	6~10	6~10	6~10
耗电功率 (KW) Power consumption		0.19	0.23	0.37	0.58	0.71	1.01	1.01	1.01	1.01
电源电压 (V) supply voltage		380	380	380	380	380	380	380	380	380
运输参考重量 (T) Transport reference weight		1.8	2.0	2.2	3	3.5	4.2	5.8	7.5	10
运输参考尺寸 (mm) Transport reference dimension	长 long	2500	2800	2900	3800	3800	4200	4200	5400	6800
	宽 wide	1500	1500	1500	1700	1800	1900	2000	2200	2400
	高 high	1800	1800	1800	2000	2000	2200	2300	2600	2800

★ 上述所有值,是以天然气低位发热值8,400Kcal/Nm³、液化气低位发热值10,500Kcal/Nm³、城市煤气低位发热值4,000Kcal/Nm³、轻油低位发热值10,200Kcal/Kg、重油低位发热值10,000Kcal/Kg为标准计算。
All the above values are calculated based on the low level heating value of natural gas 8,400Kcal/Nm³, low level heating value of liquefied gas 10,500Kcal/Nm³, low level heating value of city gas 4,000Kcal/Nm³, low level heating value of light oil 10,200Kcal/Kg, and low level heating value of heavy oil 10,000Kcal/Kg.

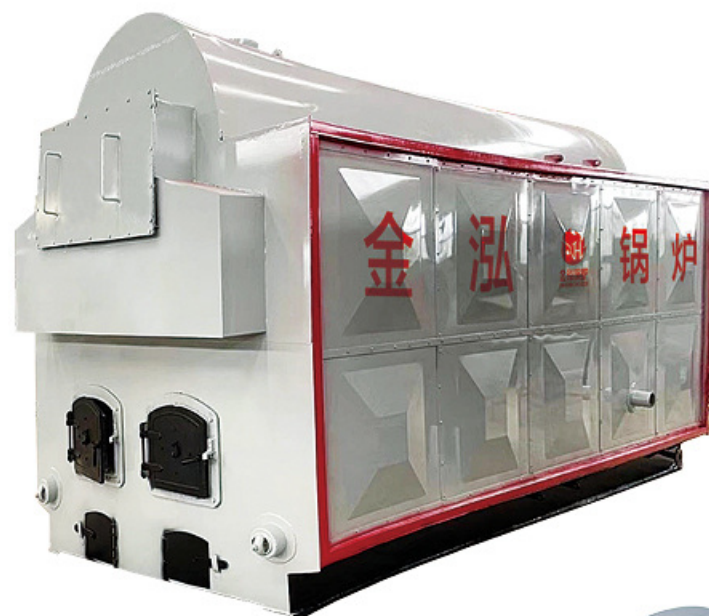
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CDZL/H系列卧式生物质常压热水锅炉

CDZL/H Series Horizontal Biomass Atmospheric Hot Water Boiler



锅炉特点:

卧式生物质热水锅炉受热面采用水冷壁管加螺纹烟管三回程结构,在炉膛前后拱处设置二、三次配风装置,使生物质成型颗粒实现半气化燃烧,有效的减少了不完全燃烧造成的损失,具有结构合理、受热面积大、热效率高、燃烧充分、无污染、低排放等特点。

1、锅炉型式为卧式快装水火管锅炉、热水系统为自然循环。

Characteristics:

2、该锅炉换热系统由锅筒、左右集箱、水冷壁组成,主要受热面有炉膛水冷壁,部分锅筒和锅筒内对流管束。

The heating surface of the horizontal biomass hot water boiler adopts the three return structure of water wall tube and threaded smoke tube, and the secondary and tertiary air distribution devices are set at the front and rear arches of the furnace, so that the biomass briquette can realize semi gasification combustion, effectively reduce

the loss caused by incomplete combustion, and has the characteristics of reasonable structure, large heating area, high thermal efficiency, sufficient combustion, no pollution and low emission.

1. The boiler type is horizontal fast loading water fire tube

boiler, and the hot water system is natural circulation.

2. The boiler heat exchange system is composed of drum, left and right header and water wall. The main heating surface is furnace water wall, and some drum and convection tube bundle in drum.

技术参数:

Technical parameters:

名称 Name		型号 Model	CDZH0.7 CDZL0.7	CDZH1.4 CDZL1.4	CDZH2.1 CDZL2.1	CDZH2.8 CDZL2.8	CDZL4.2	CDZL5.6	CDZL7
输出功率 Output power	kw		0.7	1.4	2.1	2.8	4.2	5.6	7
额定发热量 Rated Calorific Value	万大卡		60	120	180	240	360	480	600
工作压力 Rated Working Pressure	MPa		常压 Atmospheric Pressure						
出 / 回水温度 Outlet/Back Water Temperature	℃		85/60						
热效率 Thermal Efficiency	%		≥ 86						
适用燃料 Usage of Fuel			生物质颗粒 / 木柴 Biomass Particle/Firewood						
供暖面积 Heating area	m ²		6000	12000	18000	24000	36000	48000	60000
受热面积 Heating area	m ²		31	69.5	100	126	138	173	233
炉排面积 Grate Surface Base	m ²		1.85	2.8	3.4	4.6	7.8	10.4	12.8
锅炉水容积 Boiler Water Volume	m ³		2.1	3.3	4.6	5.8	6.6	8.5	10.3
耗电功率 Power Consumption	KW		8.5	13.6	16.2	38.5	55.6	68	94.5
接口尺寸 Interface Size	出 / 回水 Outlet/Back Water	DN	80	125	125	150	150	200	200
	排污 Blowdown	DN	50 x 2	50 x 2	50 x 2	50 x 3	50 x 3	50 x 3	50 x 3
	烟囱 Chimney	DN	300 x 150	500 x 250	800 x 315	1100 x 400	1400 x 500	1700 x 600	2000 x 700
运输重量 Transport Weight		T	13/15	18/20	21/24	23/26	35	46	58
运输尺寸 Transportation Size	长 Length	mm	3880	4460	4890	5274	7320	7735	8400
	宽 Width	mm	1840	2240	2350	2440	2733	3020	3264
	高 Height	mm	2800	3150	3486	3570	3620	3881	4538

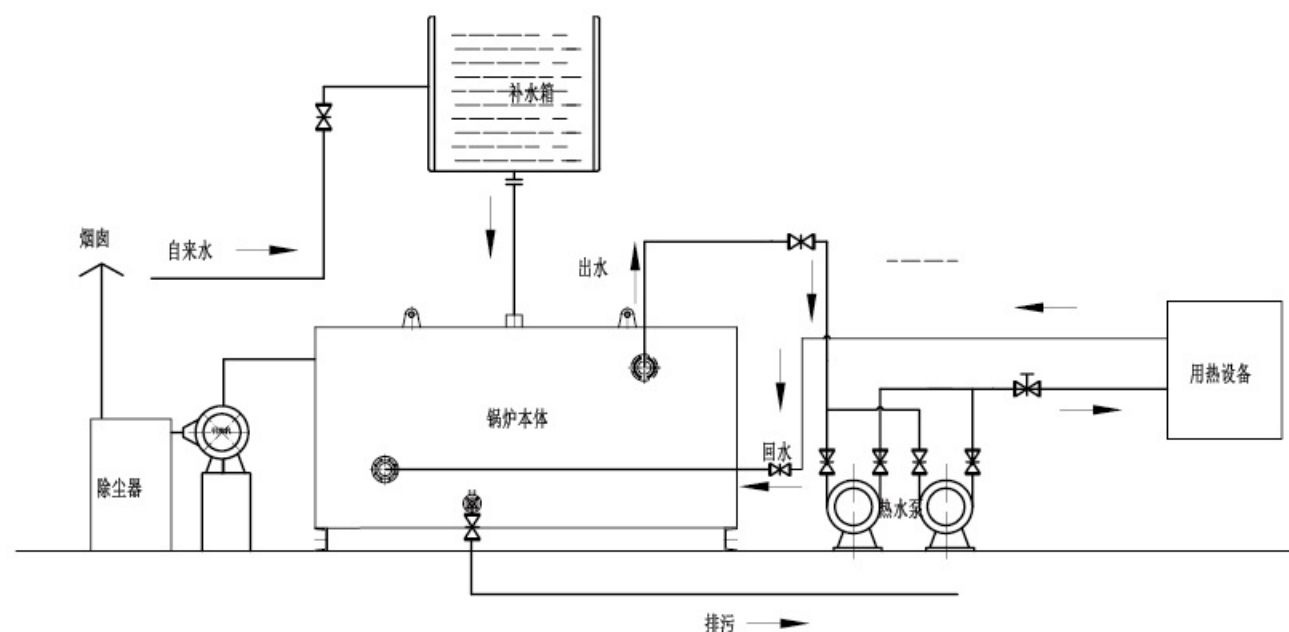
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CWHB卧式生物质新型多功能热水锅炉

CWHB Horizontal Biomass New Multi functional Hot Water Boiler



产品特点:

CWHB系列生物质专用热水锅炉为卧式快装结构,采用智能数字锅炉电脑控制,具有锅炉出水温度控制、时段定时运行、锅炉补水控制、出回水温度检测、二次回水电动调节阀控制等,故障检测有缺水保护、超温保护、炉壳超温保护、压力保护等完善的保护功能,确保锅炉安全稳定运行。由于设备设计设置合理,因此,整机热效率最高达83%以上。

该型锅炉具有结构紧凑、安全可靠、操作简便、安装迅速、污染少、噪音低、效率高等特点,广泛用于企业、宾馆、医院、写字楼、民用建筑、桥梁、铁路混凝土养护等设施工业用热和生活及采暖。

Product features:

CWHB series biomass dedicated hot water boiler is a fast horizontal installation structure, which adopts intelligent digital boiler computer control. It has boiler outlet water temperature control, time interval timing operation, boiler make-up water control, outlet and return water temperature detection, secondary return water electric control valve control, etc. The fault detection has perfect protection functions such as water shortage protection, over temperature protection, furnace shell over temperature protection, pressure protection, etc., to ensure safe and stable operation of the boiler. Due to the reasonable design and setting of the equipment, the thermal efficiency of the whole machine can reach more than 83%.

This type of boiler has the characteristics of compact structure, safety and reliability, simple operation, rapid installation, less pollution, low noise, high efficiency, etc. It is widely used in enterprises, hotels, hospitals, office buildings, civil buildings, bridges, railway concrete maintenance and other facilities for industrial heat, living and heating.

技术参数:

Technical parameters:

项目 project	型号 model	CWHB 0.35- 85/60-SCI	CWHB 0.49- 85/60-SCI	CWHB 0.7- 85/60-SCI	CWHB 1.05- 85/60-SCI	CWHB 1.4- 85/60-SCI	CWHB 2.1- 85/60-SCI	CWHB 2.8- 85/60-SCI	CWHB 3.5- 85/60-SCI	CWHB 4.2- 85/60-SCI
额定供热量 (万大卡) Rated heating capacity		30	40	60	90	120	180	240	300	360
出水温度 (°C) Outlet water temperature		85	85	85	85	85	85	85	85	85
回水温度 (°C) Return water temperature		60	60	60	60	60	60	60	60	60
颗粒燃料耗量 (Kg/h) Particulate fuel consumption		98	130	195	293	390	585	780	975	1170
运输参考重量 (T) Transport reference weight		2.20	2.50	3.20	3.60	4.00	4.60	5.50	6.80	7.80
运输参考尺寸 (MM) Transport reference dimension	长 long	1800	2500	2700	3100	3300	3600	4300	4300	4500
	宽 wide	1250	1400	1700	1700	1900	2100	2200	2400	2400
	高 high	2100	2250	2250	2250	2400	2600	2900	2900	2900

★ 上述所有值,是以生物质颗粒低位发热值 4,000Kcal/Kg 为标准计算。
All the above values are calculated based on the low calorific value of biomass particles 4000Kcal/Kg.

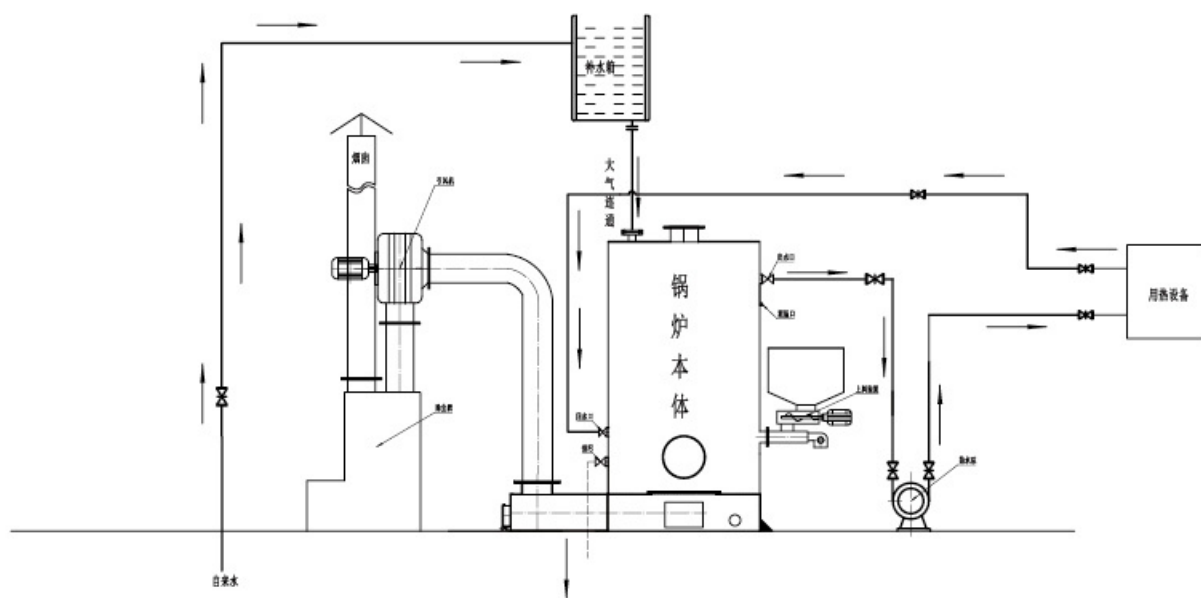
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CLSW立式生物质热水锅炉

CLSW Vertical Biomass Hot Water Boiler



产品特点:

本产品自动化程度极高,个性化的设计,全部程序都集中在一个控制系统上,方便了每个操作者。

1、采用液晶显示自动智能电控系统:设备操作系统为自动控制,所有的运行状态均可在液晶屏中一目了然。您可以在显示屏中观察到设备工作状态,设备水位状态,设备运行负荷状态,水泵运行状态,故障报警状态等,让您随时掌握设备运行状况,使用更放心。

2、采用优质零部件:所有的管路和仪器仪表连接均采用不锈钢管或铜管连接,电器采用国内最知名电器,使用安全可靠,配置豪华。

3、极易安装,使用方便:产品出厂前均通过严格的调试,用户只需要将电源和水源接好,按下启动键设备即可进入自动运行状态,无需繁杂的安装。

4、科学设计,精美外观:采用新式设计风格,内部设计结构合理,维修保养方便。设备外壳采用数控切割和数控折边成型工艺,做工精细;外壳表面经过高温喷塑处理,经久耐用,外表美观大方。

Product features:

This product has a high degree of automation, personalized design, and all procedures are concentrated in one control system, which is convenient for each operator.

1.LCD automatic intelligent electric control system is adopted:The equipment operating system is automatically controlled, and all operating states can be clearly seen on the LCD screen. You can observe the equipment working status, equipment water level status, equipment operating load status, water pump operating status, fault alarm status, etc. in the display screen, so that you can know the equipment operating status at any time and use it with more confidence.

2.High quality parts:All pipelines and instruments are connected with stainless steel pipes or copper pipes. The most famous electrical appliances in China are used, which are safe, reliable and luxurious.

3.Easy to install and use:The products have passed strict debugging before leaving the factory. Users only need to connect the power supply and water source, press the start key, and the equipment can enter the automatic operation state without complicated installation.

4.Scientific design, beautiful appearance:The new design style is adopted, the internal design structure is reasonable, and the maintenance is convenient. The equipment shell adopts numerical control cutting and numerical control folding forming technology, with fine workmanship; The shell surface is treated with high temperature spray, durable and beautiful.

技术参数:

Technical parameters:

项目 project	型号 model	CLSW0.12-85/60-SCI	CLSW0.21-85/60-SCI	CLSW0.24-85/60-SCI	CLSW0.35-85/60-SCI	CLSW0.49-85/60-SCI	CLSW0.7-85/60-SCI	CLSW1.05-85/60-SCI
额定供热量 (万大卡) Rated heating capacity		10	15	20	30	40	60	90
出水温度 (°C) Outlet water temperature		85	85	85	85	85	85	85
回水温度 (°C) Return water temperature		60	60	60	60	60	60	60
颗粒燃料耗量 (Kg/h) Particulate fuel consumption		33	49	65	97.5	130	195	293
运输参考重量 (T) Transport reference weight		0.50	0.78	1.00	1.20	1.60	2.10	3.00
运输参考尺寸 (mm) Transport reference dimension	长 long	1200	1350	1600	1800	1900	2100	2400
	宽 wide	1000	1050	1300	1500	1600	1800	2000
	高 high	1900	2000	2500	2600	2800	2800	2900

★上述所有值,是以生物质颗粒低位发热值 4,000Kcal/Kg 为标准计算。
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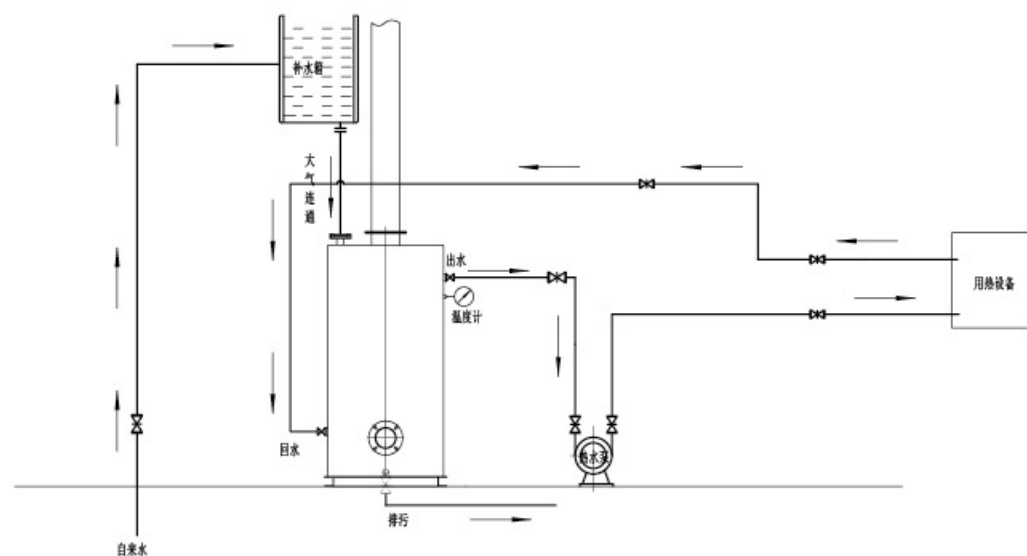
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CLHS立式燃油燃气热水锅炉

CLHS Vertical Oil Fired And Gas-Fired Hot Water Boiler



产品特点:

1. 锅炉烟管内置有扰流片, 强化了传热, 从而减少了对流受热面积, 降低了锅炉成本。
2. 采用新型硅酸铝保温材料, 其保温性能好, 重量轻, 热损失少。
3. 锅炉装有超温缺水保护, 可使锅炉运行更加安全可靠。
4. 经计算机能效模拟优化设计, 整体结构配置合理, 性能优良。
5. 时间设置功能, 使锅炉在设定的时段内起停。
6. 结构设计合理, 外形美观大方, 不易锈蚀, 安装占地面积小。

Product features:

1. The boiler flue pipe is internally equipped with a spoiler to strengthen heat transfer, thus reducing the convection heating area and reducing the boiler cost.
2. The new aluminum silicate thermal insulation material has good thermal insulation performance, light weight and low heat loss.
3. The boiler is equipped with overtemperature and water shortage protection, which can make the operation of the boiler more safe and reliable.
4. Through computer energy efficiency simulation and optimization design, the overall structure configuration is reasonable and the performance is excellent.
5. The time setting function enables the boiler to start and stop within the set time period.
6. The structure design is reasonable, the appearance is beautiful and generous, not easy to rust, and the installation area is small.

技术参数:

Technical parameters:

型号 model		CLHS0.12-85/60-YQ	CLHS0.21-85/60-YQ	CLHS0.24-85/60-YQ	CLHS0.35-85/60-YQ	CLHS0.49-85/60-YQ	CLHS0.7-85/60-YQ
项目 project							
额定供热量 (万大卡) Rated heating capacity		10	15	20	30	40	60
出水温度 (°C) Outlet water temperature		85	85	85	85	85	85
回水温度 (°C) Return water temperature		60	60	60	60	60	60
热效率 (%) thermal efficiency		93.5	93.5	93.5	93.5	93.5	93.5
燃料消耗量 Fuel consumption	天然气 (m³/h) natural gas	14.3	21.4	28.6	42.9	57.1	85.7
	液化气 (m³/h) liquid gas	11.4	17.1	22.9	34.3	45.7	68.6
	城市煤气 (m³/h) City gas	30.0	45.0	60.0	90.0	120.0	180.0
	轻柴油 (Kg/h) Light diesel	11.8	17.6	23.5	35.3	47.1	70.6
	重油 (Kg/h) heavy oil	12.0	18.0	24.0	36.0	48.0	72.0
供气压力 (KPa) Air supply pressure		2-4	3-4	3-5	3-6	4-6	6-10
耗电功率 (KW) Power consumption		0.19	0.23	0.37	0.58	0.71	1.01
电源电压 (V) supply voltage		220	220	220	380	380	380
运输参考重量 (T) Transport reference weight		0.42	0.57	0.68	0.92	1.28	1.86
运输参考尺寸 (mm) Transport reference dimension	长 long	750	850	950	1050	1250	1500
	宽 wide	750	850	950	1050	1250	1500
	高 high	1700	2000	2000	2000	2600	2600

★上述所有值, 是以天然气低位发热值 8,400Kcal/Nm³、液化气低位发热值 10,500Kcal/Nm³、城市煤气低位发热值 4,000kcal/Nm³、轻油低位发热值 10,200Kcal/Kg、重油低位发热值 10,000Kcal/Kg 为标准计算。
All the above values are calculated based on the low level heating value of natural gas 8,400Kcal/Nm³, low level heating value of liquefied gas 10,500Kcal/Nm³, low level heating value of city gas 4,000kcal/Nm³, low level heating value of light oil 10,200Kcal/Kg, and low level heating value of heavy oil 10,000Kcal/Kg.

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WRF卧式燃油燃气纯净风热风炉

WRF Horizontal Oil And Gas Fired Clean Air Hot Blast Furnace



产品特点:

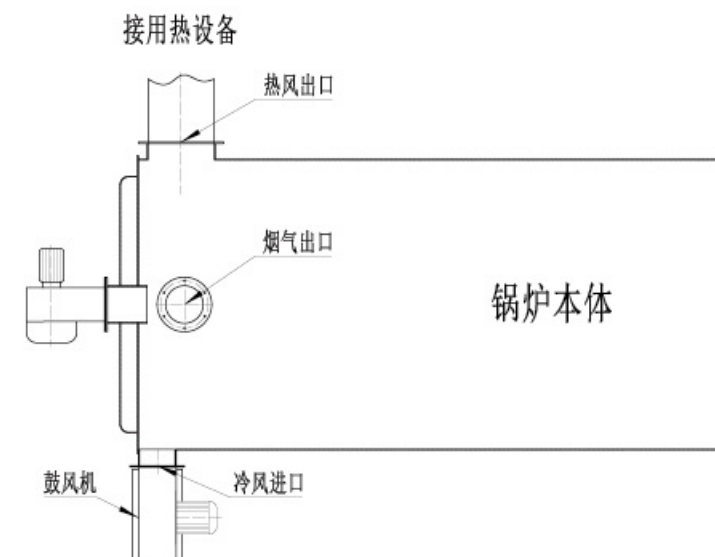
Product features:

WRF系列燃油燃气热风炉是以柴油和天然气为燃料，以空气为载体，通过风机强制循环，输出纯净热风的供热设备。采用多层螺旋槽片换热技术和先进的扰流方法，减薄了空气层流厚度，加强了换热效果，由于热能有内胆隔离，被加热的空气与燃烧后的烟气是隔绝的，保证了输出热风品质。

- 1、采用原装品牌燃烧设备，启动快，火焰燃烧完整、充分，氮氧化物排放小于规定标准。
- 2、配置热风炉智能控制器，温度精准可调，大屏彩色液晶显示，有完善的超温和过热保护、异常报警等特点。
- 3、多层螺旋槽片结构合理，换热效果好，热量利用率高，热风通过阻力小，坚固耐用。
- 4、进口不锈钢彩板包装，美观大方，无锈蚀，不易变形。

WRF series oil fired and gas fired hot air stove is a heating equipment that takes diesel oil and natural gas as fuel, air as carrier, and outputs pure hot air through forced circulation of fan. The multi-layer spiral groove heat exchange technology and advanced turbulence method are adopted to reduce the thickness of air laminar flow and enhance the heat exchange effect. As the heat energy is isolated by a liner, the heated air is isolated from the flue gas after combustion, ensuring the quality of the output hot air.

1. The original brand combustion equipment is used, which can be started quickly, the flame combustion is complete and full, and the nitrogen oxide emission is less than the specified standard.
2. Equipped with intelligent controller for hot blast stove, the temperature is accurate and adjustable, and the large screen color LCD display has the characteristics of perfect super temperature and overheat protection, abnormal alarm, etc.
3. The multi-layer spiral grooves have reasonable structure, good heat exchange effect, high heat utilization rate, small hot air passing resistance, and are sturdy and durable.
4. Imported stainless steel color plate packaging, beautiful and generous, no rust, not easy to deformation.



技术参数:

Technical parameters:

项目 project		型号 model	WRF-10-YQ	WRF-20-YQ	WRF-30-YQ	WRF-40-YQ	WRF-60-YQ	WRF-80-YQ	WRF-100-YQ	WRF-120-YQ	WRF-150-YQ	WRF-180-YQ	WRF-200-YQ	WRF-240-YQ	WRF-300-YQ
额定功率 (MW) Rated power			0.12	0.24	0.35	0.49	0.7	1.05	1.2	1.4	1.7	2.1	2.4	2.8	3.5
适用温度 (°C) Applicable temperature			60-300	60-300	60-300	60-300	60-300	60-300	60-300	60-300	60-300	60-300	60-300	60-300	60-300
热效率 (%) thermal efficiency			86	86	86	86	86	86	86	86	86	86	86	86	86
燃料消耗量 Fuel consumption	天然气 (m³/h) natural gas		15	31	46	62	93	124	155	186	232	279	310	371	464
	液化气 (m³/h) liquid gas		12	25	37	50	74	99	124	149	186	223	248	297	371
	城市煤气 (m³/h) City gas		33	65	98	130	195	260	325	390	488	585	650	780	975
	轻柴油 (Kg/h) Light diesel		13	25	38	51	76	102	127	153	191	229	255	306	382
	重油 (Kg/h) heavy oil		13	26	39	52	78	104	130	156	195	234	260	312	390
运输参考重量 (T) Transport reference weight			1.2	1.6	2	3	3.7	4.5	5.5	6.6	7.2	8.2	11	14	16
运输参考尺寸 (mm) Transport reference dimension	长 long		2400	2700	2400	3200	3700	4200	7500	5200	5500	5600	6200	6700	6700
	宽 wide		1200	1300	1400	1600	1700	1900	2000	2100	2100	2200	2300	2400	2600
	高 high		1500	1700	1800	2000	2100	2300	3333	2500	2500	2600	2800	2900	3000

★上述所有值，是以天然气低位发热值 8,400Kcal/Nm³、液化气低位发热值 10,500Kcal/Nm³、城市煤气低位发热值 4,000kcal/Nm³、轻油低位发热值 10,200Kcal/Kg、重油低位发热值 10,000Kcal/Kg 为标准计算。
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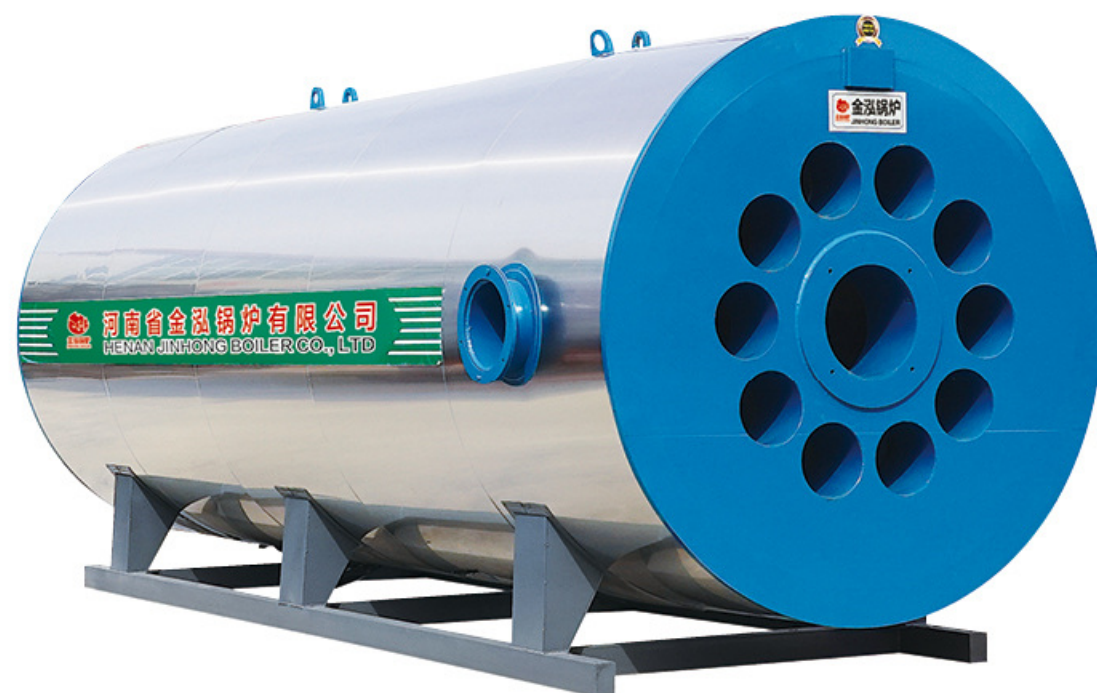
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ZRFQ卧式燃油燃气混合风热风炉

ZRFQ Horizontal Fuel Gas Mixed Air Hot Blast Furnace



产品特点:

Product features:

天然气直燃式热风炉能够连续提供恒温热风。天然气直接燃烧，通过天然气燃烧火焰直接加热空气，并通过风机引出的一种新型、高效、节能的热风设备。

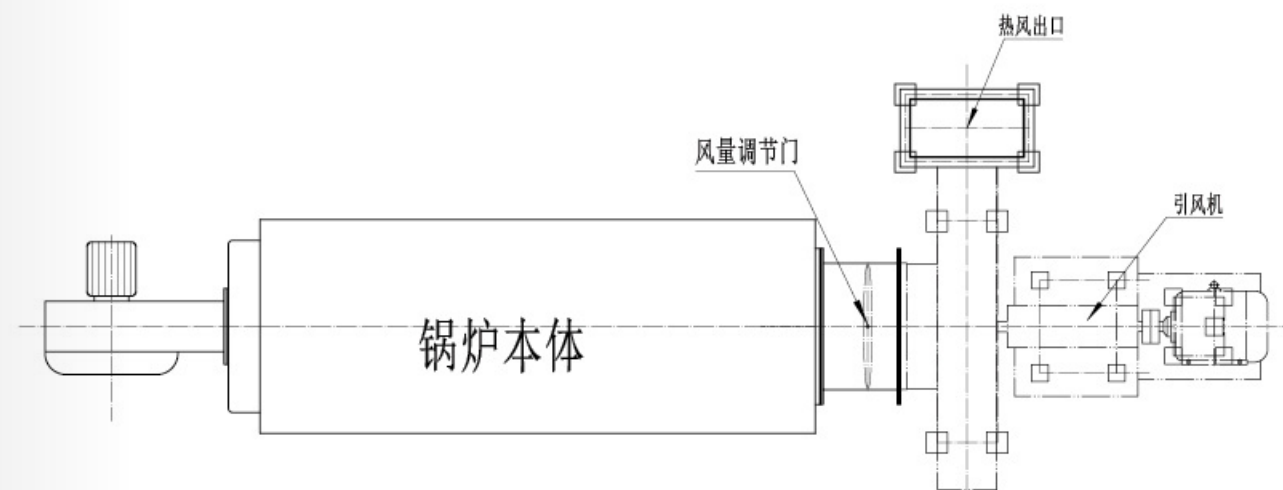
主要特点:

- 1、采用原装燃烧器为加热源，独特的空气燃气混合设计，天然气使用效率接近99%；
- 2、燃烧尾气干净、清洁，保证干燥食品安全；
- 3、天然气直燃燃烧，火焰直接加热空气、风机直引，温度控制精准；
- 4、全自动调节，加热时间短，达到设定温度后，自动转为小火保持工作温度，节约能耗。
- 5、可根据风机风量大小设定所需出风温度，操作方便，易于维护。
- 6、进口不锈钢彩板包装，美观大方，无锈蚀，不易变形。

The natural gas direct-fired hot air stove can continuously provide constant temperature hot air. Direct combustion of natural gas directly heats the air through the natural gas combustion flame, and is a new, efficient and energy-saving hot air equipment led out by the fan.

main features:

1. The original burner is used as the heating source, and the unique air-gas mixture design makes the use efficiency of natural gas close to 99%;
2. The combustion tail gas is clean and clean to ensure the safety of dry food;
3. Direct combustion of natural gas, direct heating of air by flame, direct introduction of fan, accurate temperature control;
4. Fully automatic regulation, short heating time, after reaching the set temperature, it will automatically switch to low fire to maintain the working temperature and save energy consumption.
5. The required air outlet temperature can be set according to the air volume of the fan, which is easy to operate and maintain.
6. Imported stainless steel color plate packaging, beautiful and generous, no rust, not easy to deformation.



技术参数:

Technical parameters:

项目 project		型号 model	ZRFQ-10-YQ	ZRFQ-20-YQ	ZRFQ-30-YQ	ZRFQ-40-YQ	ZRFQ-60-YQ	ZRFQ-80-YQ	ZRFQ-100-YQ	ZRFQ-120-YQ	ZRFQ-150-YQ	ZRFQ-180-YQ	ZRFQ-200-YQ	ZRFQ-240-YQ	ZRFQ-300-YQ	ZRFQ-360-YQ	ZRFQ-480-YQ	ZRFQ-600-YQ
额定功率 (MW) Rated power			0.12	0.24	0.35	0.49	0.7	1.05	1.2	1.4	1.7	2.1	2.4	2.8	3.5	4.2	5.6	7.2
适用温度 (°C) Applicable temperature			100-800	100-800	100-800	100-800	100-800	100-800	100-800	100-800	100-800	100-800	100-800	100-800	100-800	100-800	100-800	100-800
热效率 (%) thermal efficiency			98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
燃料消耗量 Fuel consumption	天然气 (m³/h) natural gas		14	29	43	57	86	114	143	171	214	257	286	343	429	514	686	857
	液化气 (m³/h) liquid gas		11	23	34	46	69	91	114	137	171	206	229	274	343	411	549	686
	城市煤气 (m³/h) City gas		30	60	90	120	180	240	300	360	450	540	600	720	900	1080	1440	1800
	轻柴油 (Kg/h) Light diesel		12	24	35	47	71	94	118	141	176	212	235	282	353	424	565	706
	重油 (Kg/h) heavy oil		12	24	36	48	72	96	120	144	180	216	240	288	360	432	576	720
运输参考重量 (T) Transport reference weight			1.3	1.6	2	2.4	2.7	3.2	4	5	5.7	6	6.5	7.5	8.5	9.2	11	15
运输参考尺寸 (mm) Transport reference dimension	长 long		2300	2700	3100	3500	3000	4000	4000	4600	4900	4900	4900	5600	5600	6000	6600	8000
	宽 wide		900	1000	1100	1200	1300	1400	1500	1700	1800	1900	2000	2000	2100	2100	2400	2800
	高 high		1200	1350	1450	1550	1700	1800	1900	2100	2200	2300	2400	2400	2500	2500	2800	3200
★ 上述所有值，是以天然气低位发热值 8,400Kcal/Nm³、液化气低位发热值 10,500Kcal/Nm³、城市煤气低位发热值 4,000kcal/Nm³、轻油低位发热值 10,200Kcal/Kg、重油低位发热值 10,000Kcal/Kg 为标准计算。 All the above values are calculated based on the low level heating value of natural gas 8,400Kcal/Nm³, low level heating value of liquefied gas 10,500Kcal/Nm³, low level heating value of city gas 4,000kcal/Nm³, low level heating value of light oil 10,200Kcal/Kg, and low level heating value of heavy oil 10,000Kcal/Kg.																		

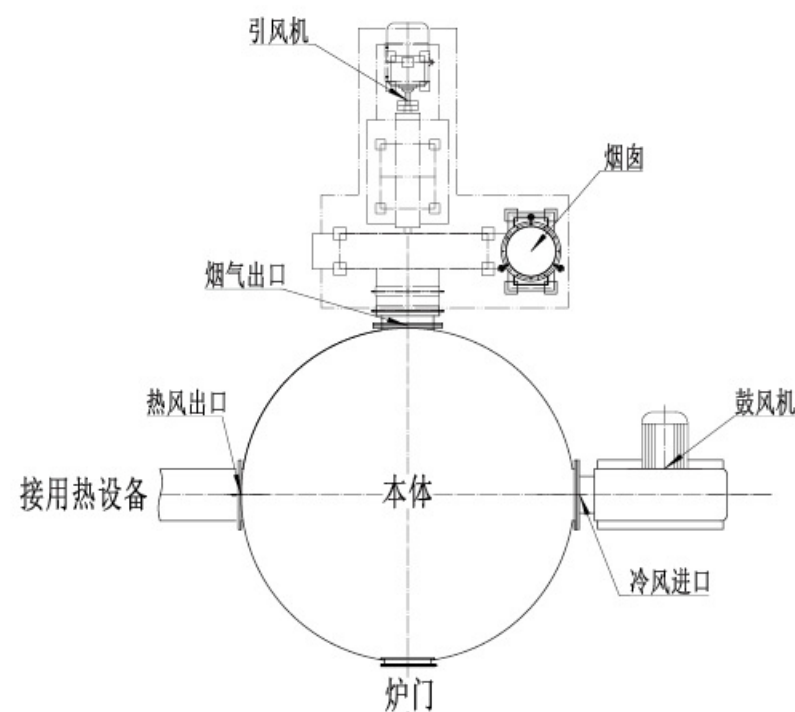
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LRF立式生物质热风炉

LRF Vertical Biomass Hot Air Furnace



产品特点:

LRF系列生物质燃料热风炉是我公司与中
国船舶重工业集团公司联合开发设计的新一代
供热产品, 本产品采用多头螺旋槽片换热和间
接热传递技术, 将燃烧与换热设计成一体化,
使产品具有结构紧凑、占地面积小、安装操作
方便, 换热强度大, 升温快, 热风干净, 热效
率高, 性能稳定等特点。

热风炉的燃烧室与换热器合为一体, 采
用全钢板多层套筒式结构, 其炉心下部为燃烧
室, 上部和四周为环形换热器, 空气和烟气均
是双回程, 各行其道进行换热。

Product features:

LRF series biomass fuel hot blast stove is a new generation of heating product jointly
developed and designed by our company and China Shipbuilding Heavy Industry Group
Corporation. This product uses the multi head spiral groove plate heat exchange and indirect
heat transfer technology to integrate combustion and heat exchange, making the product
compact in structure, small in floor area, convenient in installation and operation, high in heat
exchange intensity, fast in temperature rise, clean in hot air, high in thermal efficiency, stable
in performance, etc.

The combustion chamber and heat exchanger of the hot air furnace are integrated into a
whole. The whole steel plate multi-layer sleeve structure is adopted. The lower part of the
furnace core is a combustion chamber, and the upper part and the surrounding are circular
heat exchangers. The air and flue gas are double return, and heat exchange is carried out in
their own ways.

技术参数:

Technical parameters:

项目 project	型号 model	LRF-10-SC	LRF-20-SC	LRF-30-SC	LRF-40-SC	LRF-60-SC	LRF-80-SC	LRF-100-SC	LRF-120-SC	LRF-150-SC	LRF-180-SC	LRF-240-SC
额定功率 (MW) Rated power		0.12	0.24	0.35	0.49	0.7	1.05	1.2	1.4	1.7	2.1	2.4
适用温度 (°C) Applicable temperature		≤ 250	≤ 250	≤ 250	≤ 250	≤ 250	≤ 250	≤ 250	≤ 250	≤ 250	≤ 250	≤ 250
热效率 (%) thermal efficiency		83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
颗粒燃料耗量 (Kg/h) Particulate fuel consumption		32.5	65	97.5	130	195	260	325	390	487.5	585	780
运输参考重量 (T) Transport reference weight		1.5	1.95	2.75	3.4	4.4	5.2	6.2	7.7	8	10.6	14.2
运输参考尺寸 (MM) Transport reference dimension	长 long	1200	1500	1600	1800	1900	2000	2100	2400	2500	2800	3000
	宽 wide	1160	1400	1500	1700	1800	1900	2000	2200	2300	2600	2900
	高 high	2400	2700	3050	3300	4000	4200	4700	5300	5300	6000	7500
★上述所有值, 是以生物质颗粒低位发热值 4,000Kcal/Kg 为标准计算。 All the above values are calculated based on the low calorific value of biomass particles 4000Kcal/Kg.												

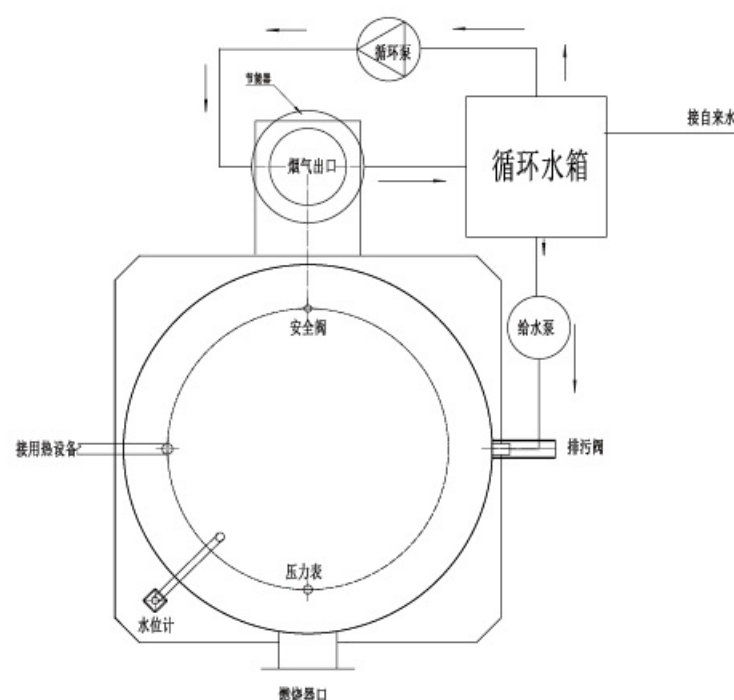
★注: 参数仅供参考, 若有变动以实际图纸为准。

★ Notes: parameters are for reference only, if any changes should follow actual drawings.



ZFQ立式燃油燃气蒸汽发生器

ZFQ Vertical Fuel Gas Steam Generator



产品特点:

- 1、ZFQ型燃油（燃气）蒸汽发生器无需报批免去传统锅炉的复杂使用手续。
- 2、蒸汽发生器整机安装调试完毕出厂，通电通水，供应燃料即可正常运行，安全，方便，节能，稳定。
- 3、蒸汽发生器可快速产生蒸汽，停机后再次启动，3分钟可正常供汽，具有常规蒸汽锅炉无法比拟的优势！
- 4、采用智能触摸屏锅炉控制器，一键启动无需专人看管，具有自动给水、自动调节负荷、故障报警、多重连锁保护报警等功能。
- 5、配备原装燃烧设备，工作稳定可靠，内部结构列管组合式设计，受热面积大、受热均匀、蒸汽品质好、蒸汽纯净温度高，应用范围广。

Product features:

1. ZFQ oil-fired (gas-fired) steam generator does not need to apply for approval to avoid the complicated use procedures of traditional boilers.
2. After the installation and commissioning of the whole steam generator, it leaves the factory. After it is powered on and supplied with water, it can operate normally. It is safe, convenient, energy-saving and stable.
3. The steam generator can generate steam quickly, restart after shutdown, and supply gas normally for 3 minutes, which has advantages that conventional steam boilers can't match!
4. Intelligent touch screen boiler controller is adopted. One-button start does not require special person to watch. It has functions of automatic water supply, automatic load regulation, fault alarm, multiple interlock protection alarm, etc.
5. It is equipped with original combustion equipment, which works stably and reliably. The internal structure is designed in combination with tubes. It has large heating area, uniform heating, good steam quality, high steam purity temperature and wide application range.

技术参数:

Technical parameters:

项目 project		型号 model	ZFQ0.2-0.09-YQ	ZFQ0.3-0.09-YQ	ZFQ0.5-0.09-YQ	ZFQ0.7-0.09-YQ	ZFQ1.0-0.09-YQ	ZFQ1.5-0.09-YQ	ZFQ2.0-0.09-YQ
额定蒸汽压力 (MPa)		Rated steam pressure	0.09	0.09	0.09	0.09	0.09	0.09	0.09
额定蒸汽温度 (°C)		Rated steam temperature	118	118	118	118	118	118	118
给水温度 (°C)		Feedwater temperature	20	20	20	20	20	20	20
热效率 (%)		thermal efficiency	93	93	93	93	93	93	93
燃料消耗量	天然气 (m³/h)	natural gas	16.4	24.6	41.1	57.5	82.1	123.2	164.3
	液化气 (m³/h)	liquid gas	13.1	19.7	32.9	46.0	65.7	98.6	131.4
	城市煤气 (m³/h)	City gas	34.5	51.8	86.3	120.8	172.5	258.8	345.0
	轻柴油 (Kg/h)	Light diesel	13.5	20.3	33.8	47.4	67.6	101.5	135.3
	重油 (Kg/h)	heavy oil	13.8	20.7	34.5	48.3	69.0	103.5	138.0
供气压力 (KPa)		Air supply pressure	2-5	5-8	5-8	6-10	8-12	8-12	8-12
耗电功率 (KW)		Power consumption	2.3	2.3	2.3	2.5	3.6	4.5	4.5
电源电压 (V)		supply voltage	220	220	220	380	380	380	380
运输参考重量 (T)		Transport reference weight	0.85	1.1	1.6	2	2.5	3.5	5.5
运输参考尺寸 (mm)	长 long		1350	1600	1900	2100	2200	2400	2700
	宽 wide		1050	1300	1500	1700	1800	2000	2200
	高 high		2000	2500	2600	2700	2700	2900	2900

★ 上述所有值，是以天然气低位发热值 8,400Kcal/Nm³、液化气低位发热值 10,500Kcal/Nm³、城市煤气低位发热值 4,000kcal/Nm³、轻油低位发热值 10,200Kcal/Kg、重油低位发热值 10,000Kcal/Kg 为标准计算。
All the above values are calculated based on the low level heating value of natural gas 8,400Kcal/Nm³, low level heating value of liquefied gas 10,500Kcal/Nm³, low level heating value of city gas 4,000kcal/Nm³, low level heating value of light oil 10,200Kcal/Kg, and low level heating value of heavy oil 10,000Kcal/Kg.

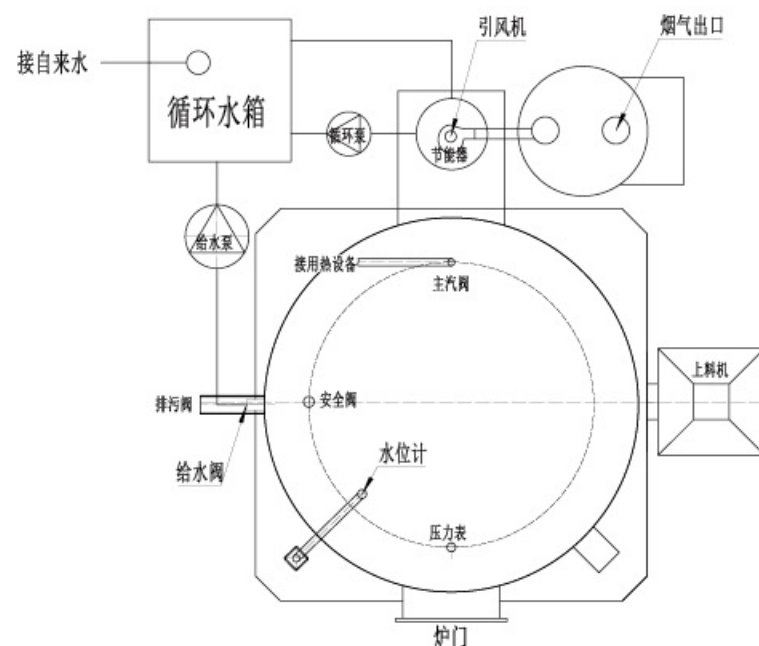
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★ Notes: parameters are for reference only, if any changes should follow actual drawings.



ZFQ立式生物质蒸汽发生器

ZFQ Vertical Biomass Steam Generator



产品特点:

本产品自动化程度极高,个性化的设计,全部程序都集中在一个按钮上,超乎寻常的傻瓜式模糊控制,方便了每个操作者。

1、采用液晶触摸显示自动智能电控系统:操作系统为自动控制,所有的运行状态均可在液晶屏中一目了然。您可以在显示屏中观察到工作状态,水位状态,蒸汽压力高低状态,水泵运行状态,故障报警状态等,让您随时掌握设备运行状况,使用更放心。

2、采用优质零部件:所有的管路和仪器仪表连接均采用无缝钢管或耐压铜管连接,电器采用国内知名电器,使用安全可靠,配置豪华。

3、多重连锁安全保护功能:产品装有压力表安全阀、压力控制器等超压保护,防止设备因压力过大而造成爆炸事故;同时具有极限低水位保护,在供水停止的情况下将自动停止工作,防止了干烧导致电加热元件损坏甚至烧坏的现象。漏电保护器让操作人员和设备的安全更有保障。

4、极易安装,使用方便:产品出厂前均通过严格的调试,用户只需要将电源和水源接好,按下启动键锅炉即可进入自动运行状态,无需繁杂的安装。

5、科学设计,精美外观:采用新式设计风格,内部设计结构合理,维修保养极其方便。外壳采用数控切割和数控折边一次成型工艺,做工精细;外壳表面采用不锈钢板,经久耐用,外表美观大方。

Product features:

This product is highly automated, personalized design, and all programs are concentrated on a button. It is an extraordinary fool-type fuzzy control, which is convenient for every operator.

1. Automatic intelligent electronic control system with LCD touch display: The operating system is under automatic control, and all operating states can be clearly seen on the LCD screen. You can observe the working status, water level status, high and low steam pressure status, water pump operation status, fault alarm status, etc. in the display screen, so that you can grasp the equipment operation status at any time and use it more safely.

2. High-quality components: All pipelines and instruments are connected with seamless steel pipes or pressure-resistant copper pipes, and the electrical appliances are well-known in China, which are safe and reliable in use and luxurious in configuration.

3. Multiple interlocking safety protection function: The product is equipped with overpressure protection such as pressure gauge safety valve and pressure controller to prevent explosion accidents caused by excessive pressure of the equipment; At the same time, it has limit low water level protection, which will automatically stop working when the water supply is stopped, preventing the electric heating element from being damaged or even burnt out due to dry burning. The leakage protector ensures the safety of operators and equipment.

4. Easy to install and use: The products have passed strict commissioning before leaving the factory. Users only need to connect the power supply and water source, and press the start button to enter the automatic operation state of the boiler, without complicated installation.

5. Scientific design, beautiful appearance: The new design style is adopted, the internal design structure is reasonable, and the maintenance is extremely convenient. The shell adopts CNC cutting and CNC folding one-time forming process, with fine workmanship; The shell surface is made of stainless steel plate, which is durable and beautiful.

技术参数:

Technical parameters:

项目 project	型号 model	ZFQ0.2-0.09-SC I	ZFQ0.3-0.09-SC I	ZFQ0.5-0.09-SC I	ZFQ0.7-0.09-SC I	ZFQ1.0-0.09-SC I	ZFQ1.5-0.09-SC I	ZFQ2.0-0.09-SC I
额定蒸汽压力 (MPa) Rated steam pressure		0.09	0.09	0.09	0.09	0.09	0.09	0.09
额定蒸汽温度 (°C) Rated steam temperature		118	118	118	118	118	118	118
给水温度 (°C) Feedwater temperature		20	20	20	20	20	20	20
热效率 (%) thermal efficiency		83	83	83	83	83	83	83
颗粒燃料耗量 (Kg/h) Particulate fuel consumption		39	58.5	97.5	136.5	195	292.5	390
耗电功率 (KW) Power consumption		3	3	4	5	5	6	6
电源电压 (V) supply voltage		220	220	220	380	380	380	380
运输参考重量 (T) Transport reference weight		1.1	1.3	1.6	2	2.5	3.5	5.5
运输参考尺寸 (mm) Transport reference dimension	长 long	1350	1600	1800	1900	2100	2500	3000
	宽 wide	1250	1500	1700	1800	2000	2300	2500
	高 high	2000	2500	2600	2800	2800	2800	2850

★ 上述所有值, 是以生物质颗粒低位发热值 4,000Kcal/Kg 为标准计算。

All the above values are calculated based on the low calorific value of biomass particles 4000Kcal/Kg.

★ 注: 参数仅供参考, 若有变动以实际图纸为准。

★ Notes: parameters are for reference only, if any changes should follow actual drawings.



ZFQ电加热蒸汽发生器

ZFQ Electric Heating Steam Generator



产品特点:

本产品自动化程度极高,个性化的设计,全部程序都集中在一个按钮上,超乎寻常的傻瓜式模糊控制,方便了每个操作者。

1、采用液晶触摸显示自动智能电控系统:操作系统为自动控制,所有的运行状态均可在液晶屏中一目了然。您可以在显示屏中观察到工作状态,水位状态,蒸汽压力高低状态,水泵运行状态,故障报警状态等,让您随时掌握设备运行状况,使用更放心。

2、采用优质零部件:所有的管路和仪器仪表连接均采用无缝钢管或耐压铜管连接,电器采用国内知名电器,使用安全可靠,配置豪华。

3、多重连锁安全保护功能:产品装有压力表安全阀、压力控制器等超压保护,防止设备因压力过大而造成爆炸事故;同时具有极低水位保护,在供水停止的情况下将自动停止工作,防止了干烧导致电加热元件损坏甚至烧坏的现象。漏电保护器让操作人员和设备的安全更有保障。

4、极易安装,使用方便:产品出厂前均通过严格的调试,用户只需要将电源和水源接好,按下启动键锅炉即可进入自动运行状态,无需繁杂的安装。

5、科学设计,精美外观:采用柜式的科学设计风格,内部设计结构合理,维修保养极其方便。外壳采用数控切割和数控折边一次成型工艺,做工精细;外壳表面经过高温喷塑处理,经久耐用,外表美观大方。

Product features:

This product is highly automated, personalized design, and all programs are concentrated on a button. It is an extraordinary fool-type fuzzy control, which is convenient for every operator.

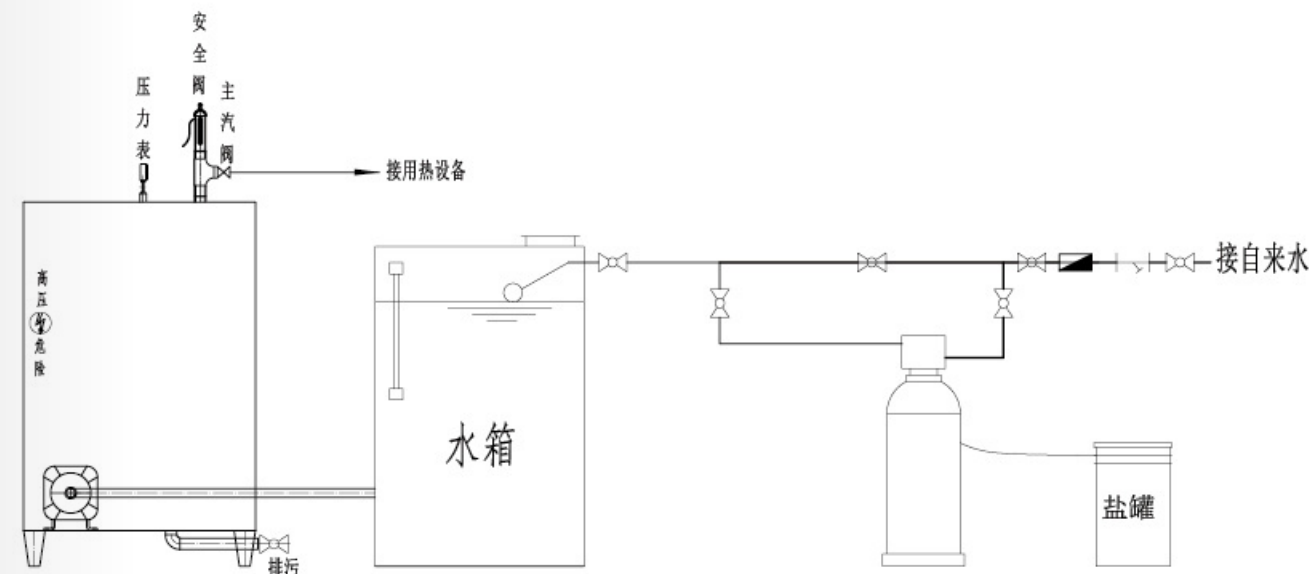
1. Automatic intelligent electronic control system with LCD touch display: The operating system is under automatic control, and all operating states can be clearly seen on the LCD screen. You can observe the working status, water level status, high and low steam pressure status, water pump operation status, fault alarm status, etc. in the display screen, so that you can grasp the equipment operation status at any time and use it more safely.

2. High-quality components: All pipelines and instruments are connected with seamless steel pipes or pressure-resistant copper pipes, and the electrical appliances are well-known in China, which are safe and reliable in use and luxurious in configuration.

3. Multiple interlocking safety protection function: The product is equipped with overpressure protection such as pressure gauge safety valve and pressure controller to prevent explosion accidents caused by excessive pressure of the equipment; At the same time, it has limit low water level protection, which will automatically stop working when the water supply is stopped, preventing the electric heating element from being damaged or even burnt out due to dry burning. The leakage protector ensures the safety of operators and equipment.

4. Easy to install and use: The products have passed strict commissioning before leaving the factory. Users only need to connect the power supply and water source, and press the start button to enter the automatic operation state of the boiler, without complicated installation.

5. Scientific design, beautiful appearance: The cabinet scientific design style is adopted, the internal design structure is reasonable, and the maintenance is extremely convenient. The shell adopts CNC cutting and CNC folding one-time forming process, with fine workmanship; The surface of the shell is treated by high temperature plastic spraying, which is durable and beautiful.



技术参数:

Technical parameters:

项目 project	型号 model	ZFQ0.04-0.09-D	ZFQ0.05-0.09-D	ZFQ0.06-0.09-D	ZFQ0.1-0.09-D	ZFQ0.15-0.09-D	ZFQ0.2-0.09-D	ZFQ0.3-0.09-D	ZFQ0.5-0.09-D	ZFQ0.7-0.09-D	ZFQ1.0-0.09-D
额定蒸汽量 (KG/H) Rated steam capacity		40	50	60	100	150	200	300	500	700	1000
额定输入功率 (KW) Quota input power		24	36	48	72	108	144	216	360	504	720
额定蒸汽压力 (MPa) Rated steam pressure		0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
额定蒸汽温度 (°C) Rated steam temperature		118	118	118	118	118	118	118	118	118	118
热效率 (%) thermal efficiency		98	98	98	98	98	98	98	98	98	98
电源频率 (Hz) Power frequency		50	50	50	50	50	50	50	50	50	50
电源电压 (V) supply voltage		380	380	380	380	380	380	380	380	380	380
运输参考重量 (T) Transport reference weight		0.18	0.2	0.22	0.25	0.32	0.36	0.56	0.8	1.1	1.6
运输参考尺寸 (MM) Transport reference dimension	长 long	800	800	800	800	1300	1300	1500	1800	1800	2200
	宽 wide	700	700	700	700	1100	1100	1100	1600	1600	1600
	高 high	1000	1000	1400	1400	1600	1600	1700	1800	2000	2000

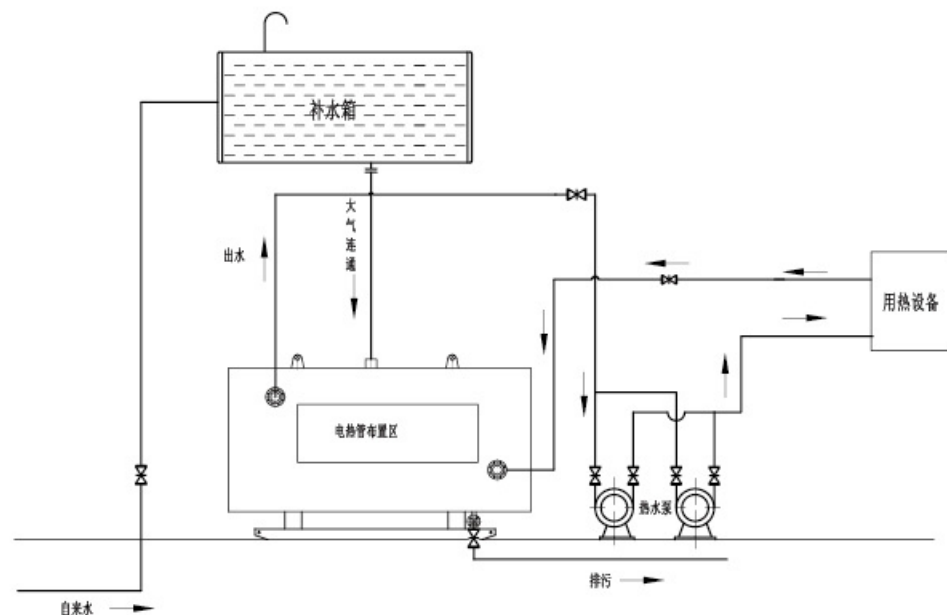
★注: 参数仅供参考, 若有变动以实际图纸为准。

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CLDR卧式电加热热水锅炉

CLDR Horizontal Electric Heating Hot Water Boiler



产品特点:

CLDR系列全自动热水锅炉采用智能数字锅炉电脑控制器, 具有锅炉出水温度控制、多时段定时运行、锅炉补水控制、出水温度检测、二次回水电动调节阀控制等, 故障检测有缺水保护、超温保护、炉壳超温保护、压力保护等完善的保护功能, 确保锅炉安全稳定运行。

- 1、一键启停: 智能数字锅炉控制器, 自动调节采暖出水温度和洗浴热水温度, 逐级加载和逐级减载加热管组, 平衡用电负荷并保护加热元件, 延长使用寿命。
- 2、采用低表面热负荷电热管, 外套管为无缝不锈钢管, 与炉体采用法兰连结, 拆装方便, 便于维护保养。
- 3、锅炉控制柜和炉体分体式设计, 避免了电器元件受热, 电路设计先进精良布线整齐合理。

Product features:

CLDR series automatic hot water boiler adopts intelligent digital boiler computer controller, which has boiler outlet temperature control, multi-period timing operation, boiler water make-up control, outlet and return water temperature detection, secondary return water electric control valve control, etc., and fault detection has perfect protection functions such as water shortage protection, over-temperature protection, shell over-temperature protection, pressure protection, etc., to ensure safe and stable operation of the boiler.

1. One-button start and stop: intelligent digital boiler controller can automatically adjust the temperature of heating water outlet and bath hot water, load and unload the heating pipe group step by step, balance the electrical load and protect the heating elements, and extend the service life.
2. The electric heating pipe with low surface heat load is adopted, and the outer sleeve is seamless stainless steel pipe, which is connected with the furnace body by flange, which is convenient for disassembly and maintenance.
3. The boiler control cabinet and furnace body are designed in a split way to avoid heating of electrical components. The circuit design is advanced, sophisticated, and the wiring is neat and reasonable.

技术参数:

Technical parameters:

型号 model	CLDR-24KW-D	CLDR-36KW-D	CLDR-48KW-D	CLDR-72KW-D	CLDR-108KW-D	CLDR-144KW-D	CLDR-216KW-D	CLDR-360KW-D	CLDR-504KW-D	CLDR-720KW-D	CLDR-1440KW-D
项目 project											
额定供热量 (万大卡) Rated heating capacity	2	3	4	6	9	12	18	30	42	60	120
出水温度 (°C) Outlet water temperature	85	85	85	85	85	85	85	85	85	85	85
回水温度 (°C) Return water temperature	60	60	60	60	60	60	60	60	60	60	60
热效率 (%) thermal efficiency	98	98	98	98	98	98	98	98	98	98	98
电源频率 (Hz) Power frequency	50	50	50	50	50	50	50	50	50	50	50
电源电压 (V) supply voltage	380	380	380	380	380	380	380	380	380	380	380
运输参考重量 (T) Transport reference weight	0.18	0.2	0.22	0.25	0.32	0.36	0.56	0.8	1.1	1.6	3.5
运输参考尺寸 (mm) Transport reference dimension	长 long	800	800	800	800	1300	1300	1500	1800	1800	4000
	宽 wide	700	700	700	700	1100	1100	1100	1600	1600	1600
	高 high	1000	1000	1400	1400	1600	1600	1700	1800	2000	2000

★注: 参数仅供参考, 若有变动以实际图纸为准。

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LSS燃油燃气D级蒸汽锅炉

LSS Fuel Gas D-Class Steam Boiler



产品特点:

燃油气D级蒸汽锅炉是以柴油、天然气等为燃料的蒸汽设备，属于特种设备中的D级锅炉，其额定蒸汽压力为0.1-0.8MPa，水容积30-50L。主要特点包括：

- 1、结构设计：采用锅壳式全湿背顺流三回程烟管结构，配备波纹炉胆和螺纹烟管，提升热效率。
- 2、自动化控制：全自动控制器支持负荷调节、自动给水，配备低氮燃烧机及多重安全保护（如水位电极棒、压力控制器）。
- 3、应用场景：广泛用于食品加工、化工、纺织等行业，部分型号支持出口定制。

技术参数:

项目 project	型号 mode	LSS0.5-0.8-YQ	LSS1.0-0.8-YQ	LSS2.0-0.8-YQ
额定蒸发量 rated evaporation capacity		500 Kg/h	1000 Kg/h	2000 Kg/h
额定工作压力 rated working pressure		0.8MPa	0.8MPa	0.8MPa
饱和蒸汽温度 saturated steam temperature		175 °C	175 °C	175.4 °C
给水温度 Water supply temperature		20°C		
设计热效率 thermal efficiency design		92.4%	93.6%	95.6%
适用燃料 Applicable fuel		重油 / 轻油 / 天然气 / 液化气 / 城市煤气 Heavy oil/light oil/natural gas/liquefied gas/city gas		
控制系统 control system		燃油气蒸汽发生器专用 Special for fuel gas steam generator		
外形尺寸 (长 x 宽 x 高) control system		2020x1120x2043mm	2400x2400x2500mm	2700x1290x2600mm

★注：参数仅供参考，若有变动以实际图纸为准。
★ Notes: parameters are for reference only, if any changes should follow actual drawings.



DZZ生物质锅炉

DZZ Biomass Boiler



产品特点:

生物质锅炉是以生物质能源（如木屑、秸秆、稻壳等）为燃料的锅炉，分为蒸汽锅炉、热水锅炉、热风炉等类型，具有节能环保、燃料适应性广的特点。支持生物质颗粒、木材、秸秆等，环保标准需符合国家排放要求（如氮氧化物 $\leq 200\text{mg/m}^3$ ）。

技术参数:

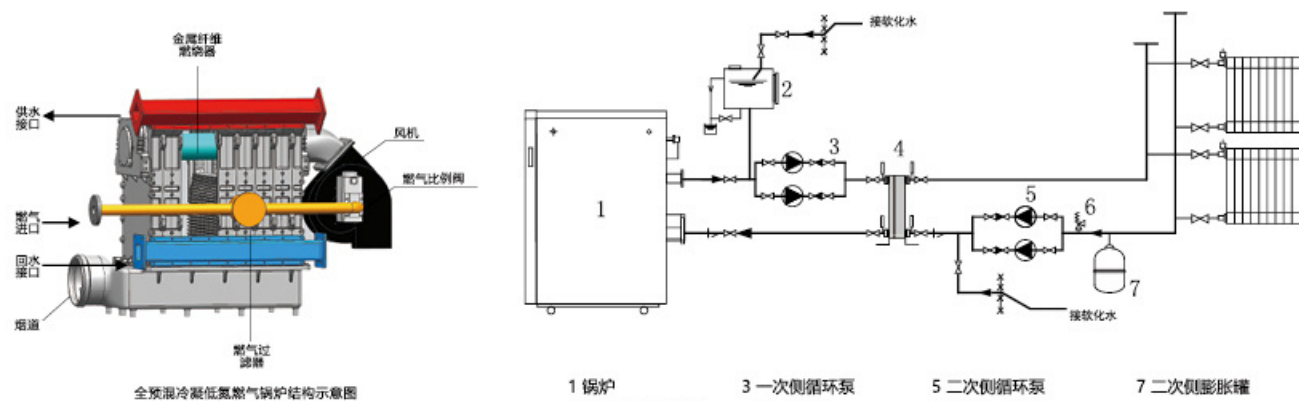
项目 project	型号 mode	DZZ2.5-0.8-SCI	
额定蒸发量 rated evaporation capacity		t/h	2.5
设计压力 design pressure		MPa	0.8
饱和蒸汽温度 Saturated steam temperature		°C	175.4
给水温度 Water supply temperature		°C	20
受压件几何容积 Geometric volume of compressed parts		L	49.3
冷空气温度 Cold air temperature		°C	20
排烟温度 flue gas temperature		°C	149
设计效率 design efficiency		%	86.2
适应燃料 Adapt to Fuel		生物质成型颗粒 Biomass formed pellets	
排烟处过量空气系数 Excess air coefficient at the smoke exhaust point		1.6	
锅炉安全稳定运行的负荷范围 Load range for safe and stable operation of boilers		%	70-100
燃料消耗量 fuel consumption		kg/h	454
调节方式 adjustment method		全自动	
通风方式 adjustment method		强制通风	
锅炉外形尺寸 (长X宽X高) Boiler dimensions (length X width X height)		4000x1650x2600mm	

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YDLB商用全预混低氮冷凝燃气锅炉

YDLB Commercial Fully Premixed Low Nitrogen Condensing Gas Boiler



产品特点:

- 1、变频调节: 15~100%无极变频调节;
- 2、高效节能: 效率高达108%;
- 3、低氮环保: NO_x排放低至30mg/m³以下(标准工况);
- 4、材质: 采用铸铝主热交换器, 效率高, 耐腐蚀性强;
- 5、空间优势: 结构紧凑、体积小、重量轻、易于安装;
- 6、稳定运行: 采用先进的进口配件确保运行的安全可靠;
- 7、智能舒适: 无人值守、精确的温度控制, 让采暖更舒适;
- 8、使用寿命长: 铸铝等核心部件设计使用寿命20年以上。

Product features:

1. Variable frequency regulation: 15~100% stepless variable frequency regulation;
2. Efficient and energy-saving: up to 108% efficiency;
3. Low nitrogen environmental protection: NO_x emissions are as low as 30mg/m³ or less (standard operating conditions);
4. Material: Adopting cast silicon aluminum main heat exchanger, with high efficiency and strong corrosion resistance;
5. Space advantages: compact structure, small size, light weight, and easy installation;
6. Stable operation: Adopting advanced imported accessories to ensure safe and reliable operation;
7. Intelligent and comfortable: unmanned, precise temperature control, making heating more comfortable;
8. Long service life: Core components such as cast silicon and aluminum are designed to have a service life of over 20 years.

技术参数:

Technical parameters:

项目 project	型号 model	单位 unit	YD-LB1400	YD-LB2100	YD-LB2800	YD-LB4200
额定热负荷 Rated thermal load		KW	1400	2100	2800	4200
额定热功率下最大耗气量 Maximum gas consumption at rated thermal power		m ³ /h	140.0	210.0	280.0	420.0
供热水能力(Δt=20℃) Hot water supply capacity		m ³ /h	60.0	90.0	120.0	180.0
最大水流量 Maximum water flow rate		m ³ /h	120.0	180.0	240.0	360.0
最低/最高系统水压 Minimum/maximum system water pressure		bar	0.2/6	0.2/6	0.2/6	0.2/6
最高出水温度 Maximum outlet temperature		℃	90	90	90	90
最大负荷80℃~60℃热效率 Maximum load 80℃~60℃ thermal efficiency		%	98	98	98	98
最大负荷50℃~30℃热效率 Maximum load 50℃~30℃ thermal efficiency		%	103	103	103	103
30%负荷(出水温度30℃)热效率 30% load (outlet temperature 30℃) thermal efficiency		%	108	108	108	108
CO排放 CO emissions		ppm	<40	<40	<40	<40
NO _x 排放 NO _x emissions		mg/m ³	<30	<30	<30	<30
供气压力(动压) Gas supply pressure (dynamic pressure)		kpa	5~8	5~8	5~8	5~8
燃气接口 gas connection		/	DN50	DN50	DN50*2	DN50*2
出水接口 Water outlet interface		/	DN100	DN125	DN100*2	DN125*2
回水接口 Return water interface		/	DN100	DN125	DN100*2	DN125*2
冷凝水排水口 Condensate drain outlet		/	DN25	DN32	DN300*2	DN400*2
燃气落地炉长度 Length of gas floor furnace		mm	2500	2700	2500	2700
燃气落地炉宽度 Gas floor furnace width		mm	1100	1180	2150	2340
燃气落地炉高度 Height of gas floor furnace		mm	1550	1600	1550	1600
燃气落地炉重量(空) Weight of gas floor furnace (empty)		kg	822	1390	1610	2780
电源 power supply		V/Hz	380/50	380/50	380/50	380/50
噪音 noise		dB	<55	<55	<55	<55
电功率 electric power		W	3000	6000	6000	12000
参考供热面积 Reference heating area		m ²	21000	31500	42000	63000

★注: 参数仅供参考, 若有变动以实际图纸为准。

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冷凝式燃气容积式热水炉

Condensing Gas Volumetric Hot Water Boiler

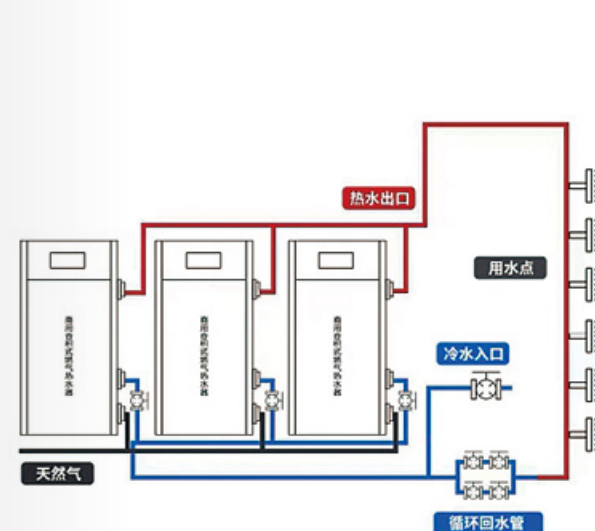


产品特点:

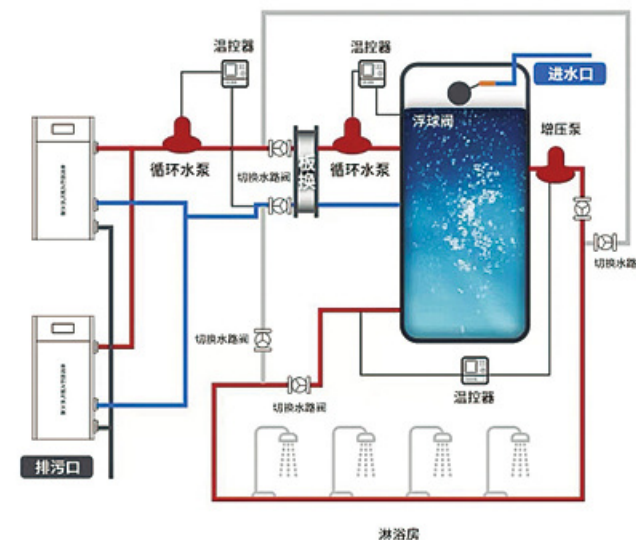
节能: 热效率超出国家一级能效以上。
快速: 整机初次加热仅需15-25分钟。
简单: 驳接好进水、进气、回水、泄压阀、供水便可正常使用。
轻便: 占地面积小、省空间、重量轻。
面广: 可广泛用于小宾馆旅店、娱乐场所、政府机关、酒店洗手、SPA温洗浴、别墅、修脚店、理发店、农家乐等热水使用。
采暖: 可轻松解决800m²以内的室内供暖(保温水箱内置盘管或外置板式换热器)。
特点: 低排放, 高效能, 锁温强, 易安装, 省空间。

Product features:

Energy Efficiency: Thermal efficiency exceeds the national Class 1 energy efficiency standard.
Fast: The entire machine requires only 15-25 minutes for initial heating.
Simple: Simply connect the inlet, inlet, return, pressure relief valve, and water supply to ensure normal use.
Portable: compact in size, space-saving, and lightweight.
Wide Range of Applications: Suitable for hot water usage in various settings such as small hotels, entertainment venues, government offices, hotel handwashing, SPA hot baths, villas, foot massage shops, barbershops, and farm stays.
Heating: Easily provides indoor heating for areas up to 800m² (with built-in coiled tubes in the insulated water tank or external plate heat exchangers).
Features: Low emissions, high efficiency, strong temperature retention, easy installation, space-saving.



多个循环式安装



带水箱式安装

技术参数:

Technical parameters:

额定热负荷(KW) Rated thermal load		99	额定燃气耗量(m ³ /h) Rated gas consumption	≤10
额定容积(L) Rated capacity		498	额定燃气压力(pa) Rated gas pressure	2000
额定工作压力(MPa) Rated working pressure		0.75	燃烧方式 combustion mode	大气式燃烧 Atmospheric combustion
热效率(%) thermal efficiency		98	燃烧调控模式 Combustion control mode	智能全自动 Intelligent fully automatic
复热率(L) Reheating rate	At =25℃	3300	进水管通径(仅供参考) Inlet and outlet pipe diameter (for reference only)	DN50(内牙) DN50 (internal teeth)
	At =35℃	2300	燃气管道通径 Gas pipeline diameter	DN25(外牙) DN25 (external teeth)
温度调节范围(℃) Temperature regulation range		30-85	适用燃料 Applicable fuel	天然气/液化石油气 Natural gas/liquefied petroleum gas
安装条件 Installation requirements	安装地点 Installation location	室内型	额定电压 rated voltage	220V/50Hz
	环境温度 ambient temperature	18℃-79℃	额定电功率(W) Rated electrical power	900
	环境湿度 ambient temperature	6%-90%	噪声(db) noise	<65
	海拔高度 altitude	≤4800m	机组净重(kg) Net weight of the unit	242 ± 5
机型尺寸(mm)(仅供参考) Model size (mm) (for reference only)		830X1020X1900mm	排烟管口径 Diameter of smoke exhaust pipe	Φ110mm

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