ÜNMAK

Solid Fuel Automatic Loading Central Heating Boiler

- Electronic & Automatic Heat Control
- Automatic loading
- Central Heating
- Three Pass
- High Efficiency

"Feel the heat..."

2 YEAR WARRANTY

TSE

K - Q TSE-ISO-EN 9000

CE

BUREAU VERITAS

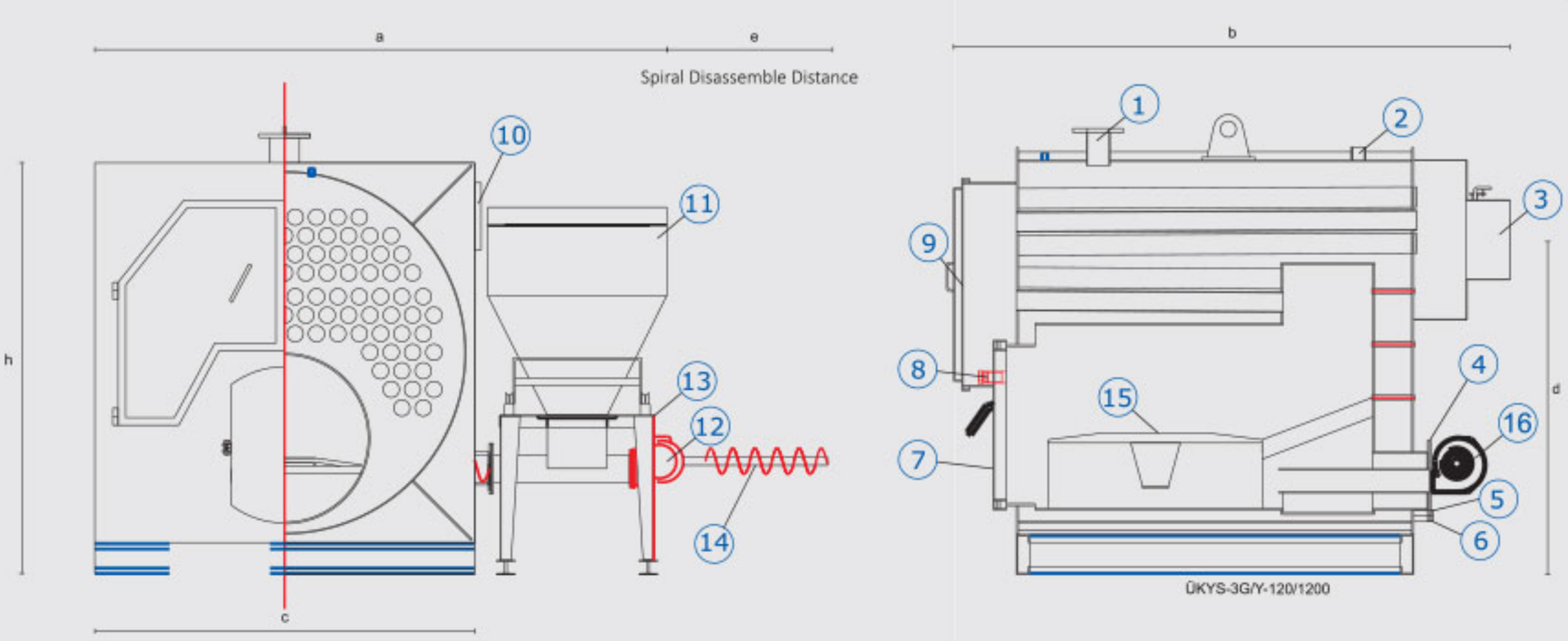
HEATING SYSTEMS

ÜKYS/3G/Y series
Solid Fuel Automatic Loading Central Heating Boiler

ÜNMAK ÜKYS/3G/Y series automatic loading solid fuel boilers are designed to burn coal, prina and nutshells with diameters up to 25mm. The boilers have different capacities and can modify so that burn liquid fuel and gas. Additionally the structure of the boilers let user load wood and coal manually. Boilers are user friendly and provide comfortable heating.

- Automatic loading 3 pass heating boilers of UNMAK are produced with advanced technology and they have longer durability than similar ones with TSE certified production in accordance with TS EN 303 - 5 and TS 497 Standards. Its 3 pass special design is composed of smoke and flame pipes. It passes onto regime by reaching desired heat in a short time. Fuel consumption is reduced to minimum with this specialty.
- With its modern designed control panel, all the functions of the boiler are automatically controlled. The fuel is burnt at maximum productivity by sending in the time adjusted and in sufficient amount to the burning pot. When it reaches the desired temperature, it passes to sleeping mode.
- Ideal burning: constant and efficient burning on burning pot is achieved by feeding the fuel downside and fuel consumption is reduced to minimum level. It burns clean and without smoke so that the waste gas affecting the nature negatively is reduced to maximum level.
- It is easy to use: it is enough to burn once at the beginning of the season. Ash discharge can be done while boiler is burning thanks to its wide covers.
- It is economical: economical heating is possible as it can burn cheap fuel.
- Stylish outlook: Outer iron sheets of boiler are painted with electrostatic powder paint to protect from corrosion.
- Delaying the combustion: When the air temperature is high, the boiler can be closed on the control panel without considering its temperature. In this situation, burning fuel will fade out and burning will be delayed by closing the fan and the valve. In need of heat again, boiler can be reopened on the control panel , it will go on burning without flaming it again, and it will reach the desired temperature soon. (Combustion delaying can be up to 24 hours according to the quality of the coal.)
- Multi-fuel: UNMAK central heating boilers are designed for solid fuel and they can be turned into a tank burning liquid fuel and natural gas with a small fixing and a burner addition.
- Installation: When desired, boiler and stoker can be transferred separately so they can be placed in boiler rooms easily.
- Warranty: Automatic loading central heating boilers of UNMAK have 2 year warranty for production flaws.

1- Boiler outlet
2- Safety outlet
3- Chimney
4- Boiler inlet
5- Safety inlet
6- Water filling - discharge
7- Ash discharge cover
8- Observing glass
9- Flue pipes cleaning cover
Fuel entry cover
10- Control board
11- Bunker
12- Reducer
13- Bunker desk
14 - Spiral
15- Pot
16- Fan



TECHNICAL SPECIFICATIONS

MODEL- SERIES	ÜKYS/3G/Y		120	150	180	210	240	270	300	330	360	390	420	450	480	510	540	600	660	720	780	840	900	1000	1100	1200
Fuel Type			Coal- Prina- Pellet- Shell- Nuts																							
Heat Output		kW	140	174	209	244	279	314	349	384	419	454	488	523	558	593	628	698	768	837	907	977	1047	1163	1279	1396
		kcal/h	120000	150000	180000	210000	240000	270000	300000	330000	360000	390000	420000	450000	480000	510000	540000	600000	660000	720000	780000	840000	900000	1000000	1100000	1200000
Pot Dimensions		mm	430*410										640*810			690*1000								740*1000		
Fuel Capacity	Coal	kg	250			300		350										450								
	Prina	kg	213			255		299										383								
Water Volume		lt	720	794	894	1146	1276	1213	1768	1814	1905	1987	2063	2433	2369	2628	2679	2585	2915	3093	3248	3448	3354	4396	4479	4610
Boiler Weight		kg	1420	1525	1760	1890	2075	2150	2600	2765	2890	2980	3250	3400	3485	3735	3850	4010	4285	4500	4640	4890	5170	5750	6040	6400
Required Draft		mbar	0,42- 0,45			0,44- 0,47		0,46- 0,49				0,48- 0,52			0,51- 0,54			0,53- 0,57			0,56- 0,59					
Min-Max Operating Temperature		°C	45-85																							
Water Return Temperature (Recommended)		°C	35																							
Maximum Operating Pressure		bar	4																							
Test Pressure		bar	6																							
Dimensions	Boiler Total Height (a)	mm	2100	2140	2220	2328	2410		2480		2600	2650	2740				2760	2810	2890	2950		3.000	3050		3100	
	Lenght (b)	mm	2220						2690							2920		3020						3540		
	Body Width (c)	mm	1200	1240	1320	1428	1510		1580	1600	1650		1700	1790			1810	1890	1950		2000		2050		2100	2150
	Chimney Connection Height (d)	mm	1145	1120		1300	1315	1370	1415	1440	1475	1485	1480	1575	1615	1640	1570	1655	1645	1700	1750		1760		1815	1860
	Spiral Disassemble Distance(e)	mm	1550			1600						1860						1900			1950					
	Boiler Total Height (h)	mm	1570	1610	1690	1798	1880		1950	1970	2020	2070	2160				2180	2260	2320		2370		2420		2470	2520
Exhaust Gas Connection Diameter (Chimney)		mm	250			300					350							400								
Min-Max Flue Temperature		°C	170- 210																							
Boiler Outlet- Inlet		R"	DN 50		DN 65		DN 80					DN 100					DN 125							DN 150		
Expansion Tank Outlet- Inlet		R"	1 1/4"				1 1/2"						2"										2 1/2"			
Filling- Discharge		R"	3/4"																							
Electrical Connection		V/Hz	400 V / 50Hz																							

The right to make changes in dimension is reserved.

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