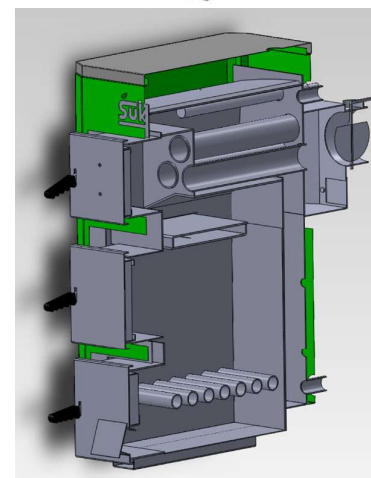


ŠUKOPLAM R 15-80 kW

Boilers type Šukoplam R with power range 15-80kW are ment primerily for combustion of bulk solid fuel (wood,coal) which is manually loaded through spacious middle boiler door. Also, middle boiler door is equipped with the opening for instaling pellet, oil or gas burner. This feature gives versatility to the boiler for combustng different type of fuels and very easy change of fuel in use. Boiler construction is completly in accordance with european standard EN 303-5. Boiler is constructed as „three drafted“ with one water cooled chamber and flue pipes which means that products of combustion pass water area in three occasions maximasing the heat exchange. First heat exchange is in boiler firebox, mostly by methods of irradiation, through large surface area of boiler firebox, second heat exchange is in the water cooled chamber of the boiler mostly by methods of irradiation and convection, and the third heat exchange is in flue pipes before the flue gasses exit the boiler mostly by methods of coduction and convection. Boiler body is well insulated with mineral wool and boiler sheeting is protected with painting or powder coating processes. Boiler is ment for production of hot water in operating mode 110/90°C and 90/70°C with maximum allowed work pressure of 2,5bar. In the back of the boiler refractory bricks are mounted in order to increase the combustion of heavy and light hydrocarbons and thus increasing the efficiency.

Installing the pellet, oil or gas burner and installing the turbulators into flue pipes for even greater heat exchange can increase the efficiency of the boiler up to 92%. Automatic controler for boiler work with burners and also turbulators are delivered on buyer demand and are not included in standard boiler delivery. Regulation of air flow needed for combustion of chunk solid fuel is done with draft regulator which moves the flap on the bottom boiler door and by doing so increases or decreases the amount of air needed for the combustion. When using pellet, oil or gas burner regulation of air flow needed for the combustion is done through the burner and boiler automatic controler. Protection of boiler from increased pressure is done by installing the safety valve on the appropriate place on the boiler, while protection of the boiler from increased temperatures is done by installing the safety heat exchanger which, if the need arises, cools down the boiler.



Boiler	Boiler power kW		CONECTION DIMENSIONS								BOILER DIMENSIONS (mm)								Water content (l)
	Wood	Oil	R1	R2	R3	R4	R5	R6	R7	A1	B1	A	B	C	D	E	F	G	
Plam 15R	15	16	3/4"	1"	5/4"	5/4"	1/2"	5/4"	1/2"	350	350	550	630	1030	140	860	170	730	97
Plam 18R	18	19	3/4"	1"	5/4"	5/4"	1/2"	5/4"	1/2"	350	350	550	740	1090	140	920	170	785	108
Plam 25R	25	27	3/4"	1"	5/4"	5/4"	1/2"	5/4"	1/2"	400	500	600	960	1200	160	1010	170	860	120
Plam 30R	30	34,5	3/4"	1"	5/4"	5/4"	1/2"	5/4"	1/2"	470	530	670	960	1295	160	1095	170	940	140
Plam 40R	40	46	3/4"	1"	5/4"	5/4"	1/2"	5/4"	1/2"	470	580	670	1010	1295	180	1095	170	940	165
Plam 50R	50	57,5	3/4"	1"	5/4"	5/4"	1/2"	5/4"	1/2"	500	650	700	1080	1295	180	1095	170	940	190
Plam 65R	65	74,8	3/4"	1"	6/4"	5/4"	1/2"	6/4"	1/2"	530	750	730	1180	1295	200	1140	170	990	245
Plam 80R	80	92	3/4"	1"	6/4"	5/4"	1/2"	6/4"	1/2"	530	800	730	1230	1330	200	1170	170	1015	280

*The manufacturer reserves the right to change the dimensions

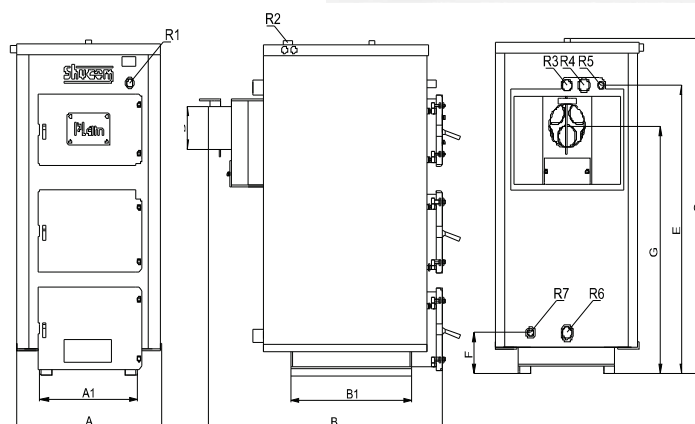
Boiler	Necessary draft (Pa)	Work pressure (bar)	Boiler weight (kg)	Heating area (m2)			Approximate chimney dimensions	
				A	B	C	Diameter (mm)	Height (m)
Plam 15R	27	2,5	160	70	92	140	150	6
Plam 18R	27	2,5	190	85	114	170	150	6
Plam 25R	28	2,5	260	125	168	250	160	6
Plam 30R	28	2,5	285	150	200	300	160	7
Plam 40R	28	2,5	315	200	270	400	160/180	9/7
Plam 50R	30	2,5	350	250	335	500	180/200	10/8
Plam 65R	34	2,5	405	325	435	650	220	10
Plam 80R	37	2,5	450	400	536	800	220	12

NOTE:

A - poorly insulatet objects with room hight up to do 3m

B - well insulatet objects with room hight up to 3m (5cm insulation)

C - extremely well insulatet objects with room hight up to 3m (10cm insulation)



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