

# LAKA PS –pellet boiler

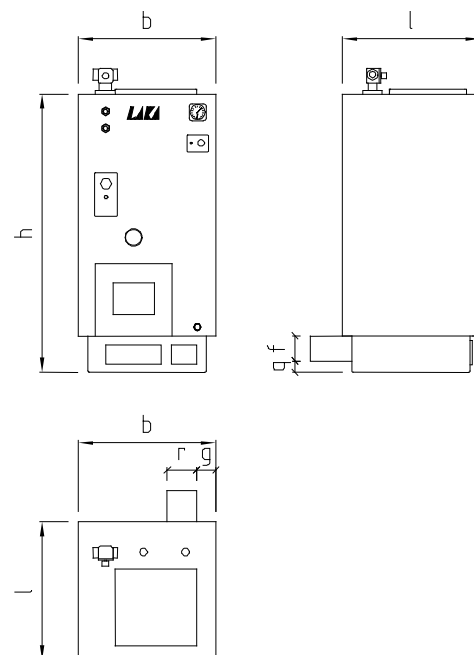
- Wood pellets
- Wood chips



- **LAKA PS-Pellet** boiler flue gas temperature is 150...200 °C when burning wood pellets, depending on output. With wood chips the flue gas temperature varies depending on the moisture content of chips. This means that the burning process is clean.
- **LAKA PS-Pellet** boiler has large internal water volume giving always enough hot water without a special tank.
- Boiler has steel base which houses the ash box. Automation electronics is in the front of the boiler.
- Hatch for the pellet burner is in the front of the boiler. Laatuliekki burners are recommended (at the picture). Hatch can also be manufactured to fit other burners.
- All boiler operations and servicing can be done from the front. This means that the boiler can be installed in very small space.
- Hatch for the flue gas chimney is on the bottom right corner opposite the ash box.
- Additional space requirement for servicing is 1.0 m at the top of the boiler and 0.7 m at front.
- Standard equipment: Ash box, four-way mixer valve, water temperature & pressure meters, flue gas temperature meter, cleaning brushes.

## Effects 20 and 40 kW

- **LAKA PS-Pellet** boiler and Laatuliekki pellet burner combination is ideal heating system for private homes it produces both heat and hot water by using economic and easy wood pellets as fuel.
- Optional 6 kW or 10 kW electric resistor heater for backup purposes
- **LAKA PS-Pellet** boilers have large vertical convection surfaces which let fly ash to sink down to the ash box. Ash does not stick on boiler's internal surfaces and reduce boiler's efficiency by insulating combustion chamber from water.
- Boiler is easy to clean. Brushing is done with a specially dimensioned brush from top of the boiler. Soot falls down to container and can be easily removed.



## LAKA PS-pellet dimensions

Power kW	b	h	l	q	f	g	r	Flue ø	Weight kg	Hot water l/s	Volume dm <sup>3</sup>
20	670	1350	670	50	120	90	150	140	360	0,2	200
40	670	1500	770	30	140	90	150	160	400	0,4	240