



SLOKOV SL-EKO

**HOT-WATER STEEL BOILERS FOR BURNING LUMP WOOD
AND WOOD BRIQUETTES**

SL12EKO | SL16EKO | SL21EKO | SL25EKO | SL30EKO | SL36EKO



- warranty up to 4 years (warranty and post-warranty service)



- can be used even after 2024



- sheet thickness 5 mm



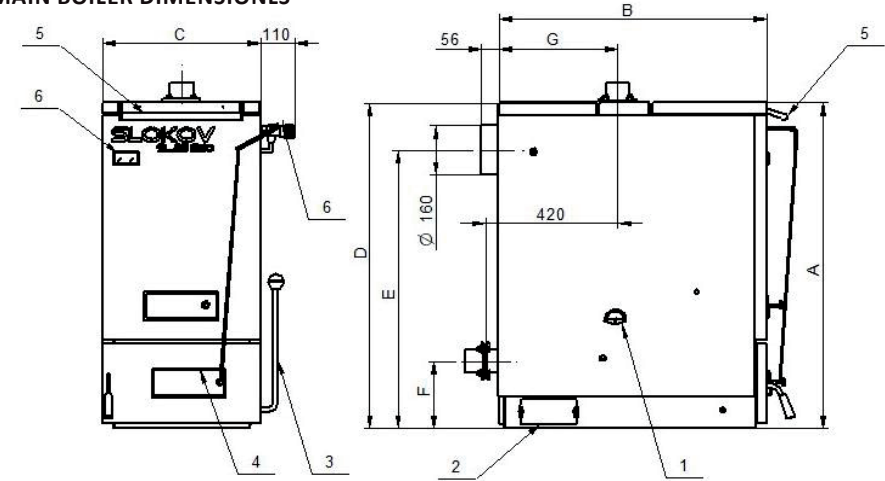
- ecodesign and boiler class 5



- high efficiency

The new range of Slokov SL-EKO down-burn feed boilers for lump wood meets emission class 5 and EKODESIGN. SL-EKO boilers can be operated without electricity supply and on gravity systems. SL-EKO boilers have a new patented combustion chamber system, thanks to which these boilers guarantee ecological combustion with high efficiency.

MAIN BOILER DIMENSIONLS



- 1 - Secondary air damper

2 - Soot door (on both sides)

3 - Grate lever (can be used from both sides)

4 - Ash drawer door
- 5 - Thermometer and pressure gauge alarm

6 - Aftercooling safety valve special boiler accessory

7 - HOR - heat output regulator

8 - Side door handle

BOILER TYPE			SL12EKO	SL16EKO	SL21EKO	SL25EKO	SL30EKO	SL36EKO
Boiler height	A	mm	890	890	1043	1043	1043	1043
Boiler depth	B	mm	715	850	851	851	851	955
Boiler width	C	mm	450	450	450	502	550	680
Height of heating water flange- outlet	D	mm	890	890	1043	1041	1043	1043
Flue axis height	E	mm	725	740	890	890	890	890
Height of heating water flange- inlet	F	mm	215	215	215	215	215	215
Distance from axis of heating water- outlet	G	mm	275	375	375	378	378	450
Flue throat diameter (external)		mm	145	160				
Inlet and outlet flange			boiler flange- DN65 counter flange- G2" (internal thread)					

BOILER DESCRIPTION

The internal space of the boiler consists of welded 5 mm thick steel sheets. The interior space is divided by a water partition into a loading shaft, a combustion chamber and an exchanger through which the flue gases flow to the smoke throat. For easier fitting, the boilers are equipped with counter-flanges with a G2" fitting (standard), or a DN65 or G6/4" flange- to order. The flange on the boiler remains the same DN65.

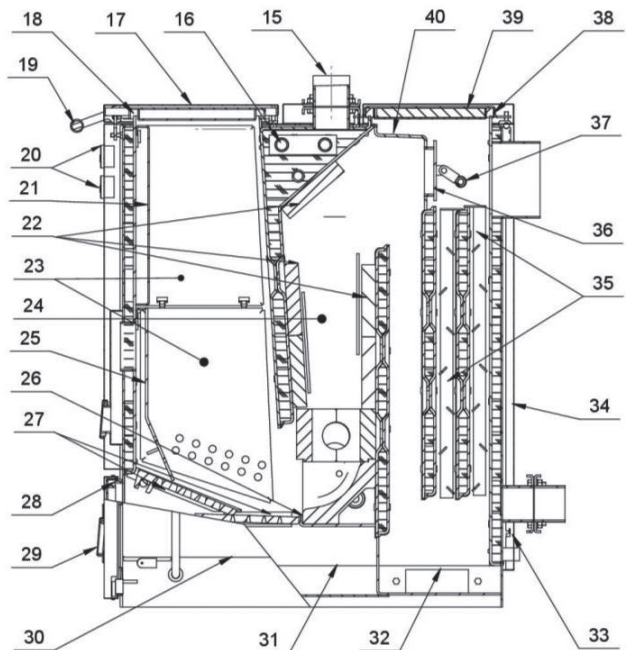
The connection dimensions – the flange spacing – are the same as the VARIANT SL-E and SL-D boilers, which enables a simple replacement of the boilers.

The Slokov-dakon conversion kit can be used and a new Slokov boiler can be fitted in the place of an old dakon boiler without modifying the wiring in the boiler room.

BOILER CROSS SECTION

LEGEND:

- 15- Counter flange
- 16- Volume of water in the boiler
- 17- Loading door
- 18- Sealing cord of loading door
- 19- Handle of loading door
- 20- Thermomanometer
- 21- Fireproof bricks
- 22- Combustion chamber
- 23- Fireproof bricks- combustion chamber
- 24- Grid- 2 identical
- 25- Sealing cord for ash door
- 26- Combustion air damper
- 27- Boiler side cover
- 28- Boiler ash drawer
- 29- Soot door (from both sides of the boiler)
- 30- Filling tap
- 31- Rear cover
- 32- Swirlers
- 33- Heating damper (possible from both sides)
- 34- Heating damper rod
- 35- Sealing cord of exchanger cover
- 36- Exchanger cover of exchanger
- 37- Flue gas partition
- 38- Sealing cord of exchanger cover
- 39- Exchanger cover
- 40- Flue gas partition





SPECIFICATION

VARIANT SL		SL12 ECO	SL16 EKO	SL21 EKO	SL25 EKO	SL30 EKO	SL36 EKO
Wood boiler class		5 class and ECODESIGN					
Energy class wood boiler	-	A+					
Nominal boiler output (kW)	kW	13	17	20	25	30	36
Heating surface	m ²	1.4	2.3	2.7	3.2	3.6	4.7
Fuel consumption wood	kg/h	3.5	4.7	5.5	6.8	7.3	8.7
Log length	mm	200	250	250	280	300	500
Boiler efficiency	%	88	89	89	89	89	89
Boiler weight	kg	220	235	265	320	375	450
Boiler water volume	l	38.5	43	50	58	61	83
Operating draught wood	Pa	16	16	18	18	18	18
Highest working overpressure in the system	bar	2					
Guaranteed fuel		A – dry wood					
Fuel hopper volume	dm ³	36	36	52	61	72	105
Size of filling hole	mm	200x270	220x270	220x270	240x320	240x370	240x525

SLOKOV kovo a.s.

Kovodělská 794

Moravský Písek

PSČ 696 85

tel.: +420 518 387 606, 607

variant@slokov.cz

www.slokov.cz/eng