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sustainable



carbon neutral



# BIOMASS-FIRING SYSTEMS

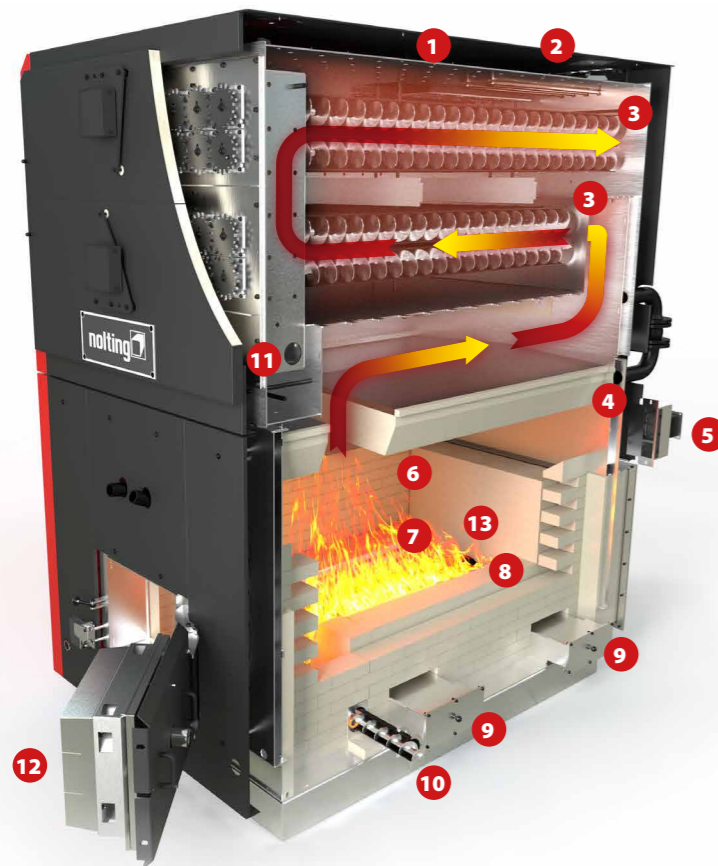
70 UP TO 2500 KW

# Automatic Underfeed Firing LCS-RU

The underfeed firing is particularly appropriate to combustibles which have homogeneous consistency and produce few ash as, for example, residues of untreated wood (chips from wood processing).

## Fuels:

Wood-based materials, such as wood shavings, dust | Wood Chips | Pellets | Chip briquettes



- 1 insulation
- 2 water-side connections
- 3 heat exchanger with turbulators
- 4 reflection arch
- 5 secondary air supply
- 6 refractory
- 7 primary air injectors
- 8 underfeed pit
- 9 cleaning openings
- 10 ash removal screw combustion chamber
- 11 ash removal screw heat exchanger
- 12 combustion chamber door
- 13 stoker screw



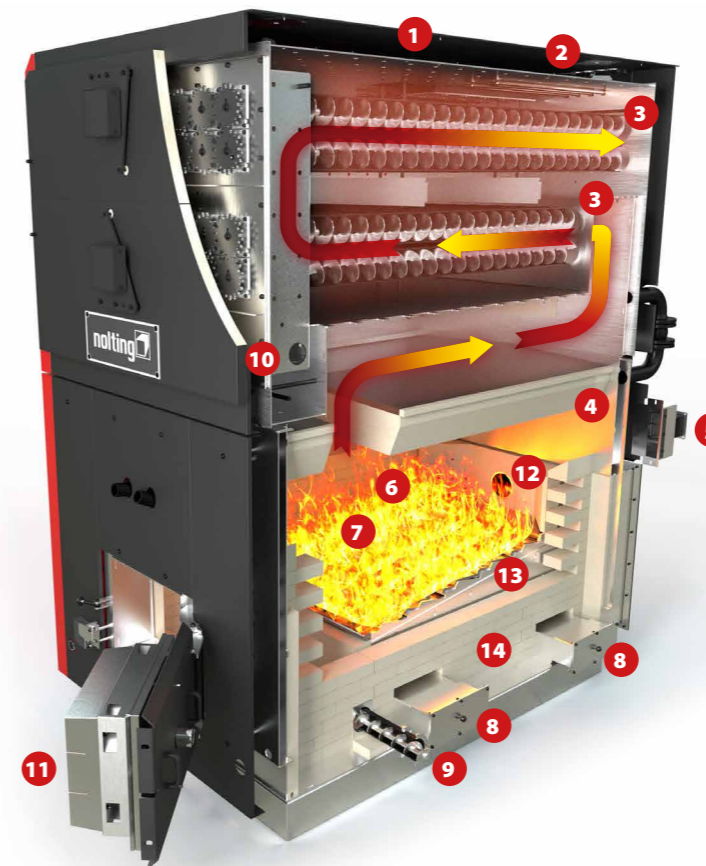
Advantages	Technical Data					
	Boiler type LCS-RU	Nominal output in kW	Length in mm	Width in mm	Height in mm	Weight in kg
<ul style="list-style-type: none"> <li>✓ efficient fuel utilization</li> <li>✓ optimized combustion chamber geometry ensures optimum combustion conditions</li> <li>✓ high efficiency: over 90%</li> <li>✓ comfortable by automatic ash removal</li> <li>✓ very easy to maintain by large inspection openings</li> <li>✓ more than 80 years experience in combustion technology</li> </ul>	70/90	95	1910	835	1960	2000
	95/135	135	1910	1020	1960	2400
	145/205	185	1910	1200	1960	2800
	215/270	260	2020	1395	2060	3500
	300/350	350	2300	1510	2180	3950
	400/450	450	2300	1510	2375	4910
	520/600	600	2570	1510	2930	7130
	650/785	785	2920	1640	3290	9360
	875/1050	1050	2920	1840	3530	10740
	1150/1300	1300	3740	1840	3630	14950

# Automatic Moving Grate Firing LCS-RV

The moving grate firing is appropriate to fuels with higher amount of ash as well as to wet combustible, especially well for production residues from wood working and processing, as well as fuels with increased slagging.

## Fuels:

Wood shavings | damp/wet Wood Chips | Pellets | Chip briquettes



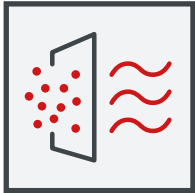
- 1 insulation
- 2 water-side connections
- 3 heat exchanger with turbulators
- 4 reflection arch
- 5 secondary air supply
- 6 refractory
- 7 primary air injectors
- 8 cleaning openings
- 9 ash removal screw combustion chamber
- 10 ash removal screw heat exchanger
- 11 combustion chamber door
- 12 insertion screw
- 13 moving grate
- 14 de-ashing



Advantages	Technical Data					
	Boiler type LCS-RV	Nominal output in kW	Length in mm	Width in mm	Height in mm	Weight in kg
<ul style="list-style-type: none"> <li>✓ wide range of fuel by the use of a moving grate</li> <li>✓ hydraulic insert for coarse parts in the fuel</li> <li>✓ high efficiency: over 90%</li> <li>✓ very easy to maintain by large inspection openings</li> <li>✓ comfortable by automatic ash removal</li> <li>✓ more than 80 years experience in combustion technology</li> </ul>	70/90	95	1910	835	1960	2000
	95/135	135	1910	1020	1960	2400
	145/205	185	1910	1200	1960	2800
	215/270	260	2020	1395	2060	3500
	300/350	350	2300	1510	2180	3950
	400/450	450	2300	1510	2375	4910
	520/600	600	2570	1510	2930	7130
	650/785	785	2920	1640	3290	9360
	875/1050	1050	2920	1840	3530	10740
	1150/1300	1300	3740	1840	3630	14950
1450/1600	1600	3740	1840	3930	16720	
1800/2000	2000	3740	2165	4616	18115	
2000/2400	2400	4040	2165	4780	20830	

# Installation components

The performance of a firing system is considerably influenced by the quality of the supplementary components. Our experienced staff supports you in the planning in order to provide you a suitable solution for the best possible general concept.



## Filter technology

Clean flue gas and reliable compliance with legal emission values through the use of microporous ceramic filter elements for maximum separation efficiency of up to 99.99%.



## Discharges

Sustainable, intelligent and individual solutions for fuel feeding guarantee trouble-free operation of the firing system.



## Control System

An innovative control system is decisive for the potential of a firing. Individual equipment enables through our own control cabinet construction precise controls according to your requirements. The execution of control complies with the directives of the VDE.



## Service

Benefit from our extensive range of services and support for our products and solutions. With an exceptionally high availability of spare parts, we succeed in setting new standards in after-sales!



## Accessories

Reduce emission values with suitable accessories such as SNCR process, heat recovery, buffer storage management, remote maintenance, etc.

**We are happy to consult you!**

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