

SF Series Solid Fuel Boiler

rima[®]
warmth of life

17 - 41 kW



- Four output range 3 to 6 Sections
- High efficiency
- Cast Iron Sections
- Suitable for safety heat exchanger use
- Compatible with fan controlled operation
- Easy to use & maintenance



Önmetal

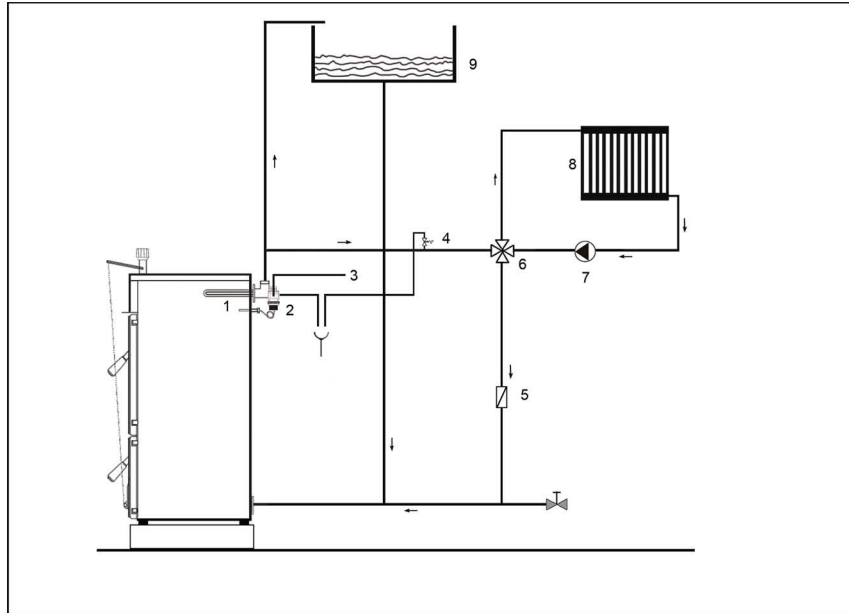


Technical Data

Series Name		SF-03	SF-04	SF-05	SF-06
Number Of Elements	Pcs.	3	4	5	6
Nominal Heat Output (Black Coal - Walnut)	kW	15 - 17	24 - 27	31 - 34	38 - 41
Nominal Heat Output (Hardwood - Split Logs)	kW	12 - 14	18 - 20	25 - 27	30 - 33
Minimum Heat Output	kW	9,2	12,1	14,6	18,5
Heating Water Maximum Temp.	°C	90			
Heating Return Water Minimum Temp.	°C	50			
Burning Time For Nominal Output(B.Coal)	hr	>4			
Burning Time For Nominal Output(H .Wood)	hr	>2			
Range Of Temperature Control	°C	30-90			
Maximum Pressure of System	bar	4			
Minimum Pressure of System	bar	0,4			
Boiler Water Content	L	16,33	20,30	24,27	28,24
	m ³	0,01633	0,0203	0,02427	0,02824
Exit Flue Connection Diameter	mm	180			
Combustion Chamber Dimensions (W x H)	mm	300 x 380			
Combustion Chamber Dimensions (L)	mm	245	345	445	545
Water Inlet- Outlet Connection	(")	G 2 "			
Inlet-Outlet Safety Cooling Loop Connection	(")	G 3/4 "			
Minimum Chimney Depression	mbar	0,12	0,14	0,17	0,20
Safety Valve Temperature Limit	°C	95			
Boiler Category (according to EN 303-5)	Class	1			
Boiler Dimensions (W x H)	mm	450 x 947			
	(L)	mm	609	709	809
Exit Flue Gas Temperature	°C	190 - 260			
Maximum Noise Level acc. to Valid Norms	dB	45-60 (A)			
Boiler Net Weight	kg	177	207	237	267

General Features

- . Four output range 17 to 41 kW
- . Cast iron parts produced with flexible casting technique
- . 3 years producer warranty for cast iron parts
- . Big cast iron combustion chamber provides balanced combustion with low gas exhaust emission
- . 80 mm glasswool insulation on the cast iron boiler body
- . Easy to install, use and maintenance
- . Reliable control and safety components



Temperature Safety Valve :

1. Safety Heat Exchanger (SHT)
2. Safety Valve (TS 131)
3. Water Supply
4. System Safety Valve (3 bar - 1/2")
5. Check Valve
6. Four Way Mixing Valve
7. System Pump
8. Heating System
9. Open Expansion Tank



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