



Duel Fuel Gasification Boilers The New Generation **OGD Series**



arikazan



Great Versatility

OGD Series Dual Fuel Gasification Boilers



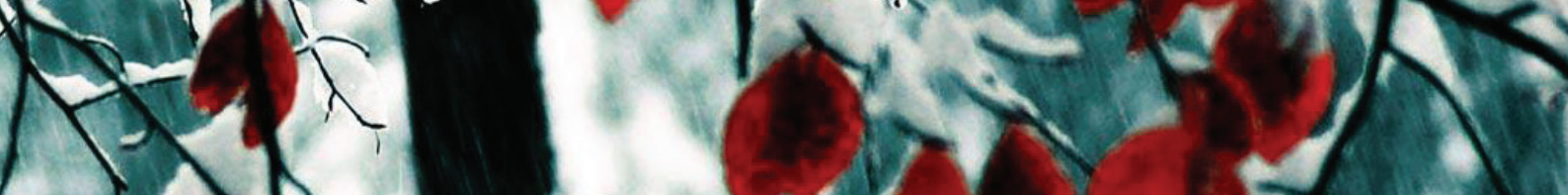
The new OGD series has been developed as an efficient and economical dual fuel system for wood logs and wood pellet users.

Large heat absorbing surfaces, extended hot gas passages and pre-heated air intake ensures OGD series boilers as one of the most efficient products out in market.

Unlike many boilers in the market, OGD series features vertical heat exchanger tubes just before flue gas outlet, further increasing gains of energy before it was exhausted. OGD series ensures maximum efficiency in both fuel mods.

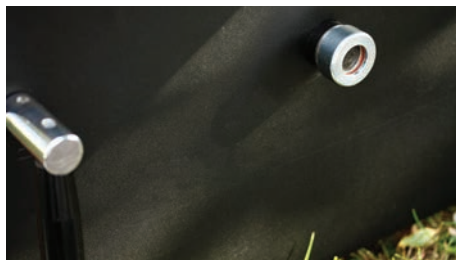
Smart design of OGD, allows burner to be easily removed, serviced and cleaned.

All OGD series are equipped with emergency flush system which activates when loss of electric power or any malfunction that causes rapid increase in the temperature of the boiler, to be able to instantly cool down the system.



Benefits of an **OGD series** Dual Fuel gasification boiler:

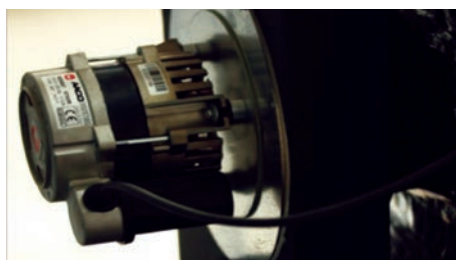
- Economical and comfortable heating
- Easy Cleaning
- Durable structure offers long service life
- Emergency Cooling System
- Electronic air supply regulation
- Automatic ignition for Pellet Burner
- Automatic adjustment of pellet dosage
- Automatic cleaning of burner unit,
- User friendly control system with digital display
- Software regulated combustion for optimum performance



Observation glasses in both upper and lower doors enables easy observation of the fire



Waist level loading door allows convenient fuel loading



Adaptive air feed



Technical Specifications

	WOOD GASIFICATION + PELLET FIRED BOILER TECHNICAL SPECS	UNIT	BOILER TYPE	
			OGD-30	OGD-40
CAPACITY	Nominal Heat Output	kW	30	40
		kcal/h	25.800	34.400
	Net Efficiency	%	>92%	
OPERATING CONDITIONS	Safety Limit Temperature	°C	97	
	Max. Operating Temperature	°C	80	
	Min. Water Return Temperature	°C	55	
	Operating Pressure	bar	3	
	Test Pressure	bar	4,5	
	Design Temperature	°C	150	
	Electrical Connection	-	230 Vac, 50 Hz	
	Recommended Fuel Parameters	-	Ø80 x 500mm	
			Hardwood, 15% < Moisture < 25%*	
	CO Emission Rate, (13 % O ₂ ref)	mg/m ³	< 250	
	Fuel Filling Volume	lt	120	160
kg		42	56	
Required Accumulation Tank Volume	lt	1500	2000	

*Can burn wood up to 40% humidity but efficiency can drop dramatically.

	MAIN DIMENSIONS	Unit	BOILER TYPE	
			OGD-30	OGD-40
DIMENSIONS	W1 - Width	mm	600	
	W2 - Total width with cover plates	mm	650	
	L1 - Length	mm	1050	1375
	H1 - Height	mm	1200	
	H2 - Total Height	mm	1380	
	W3 - Total Width	mm	1040	1120
	ØD1 - Stack Diameter (inner-outer)	mm	125-130	146-150
	H6 - Height of Stack Connection	mm	880	870
	Water Content	lt	90	115
	Approx. Empty Weight	kg	440	520
CONNECTIONS	Hot Water Outlet Connection	Diameter, ØD2	1 1/2"	
		Position, H3	1265	
		Position, L2	472.5	597.5
	Water Inlet Connection	Diameter, ØD2	1 1/2"	
		Position, H4	395	
	Safety Cooling Heat Exchanger	Diameter, ØD3	3/4"	
Position, H5		1124		
Filling & Drain Connection	Diameter, ØD4	1/2"		

