

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.

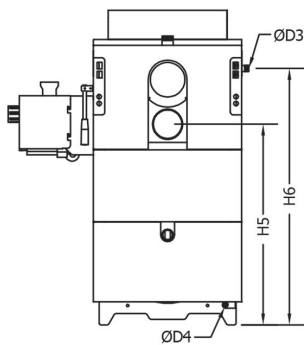
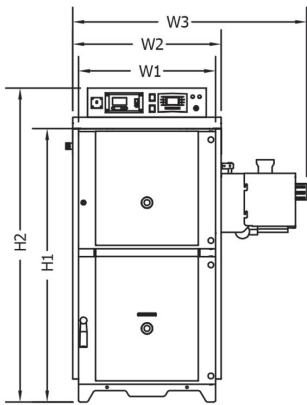
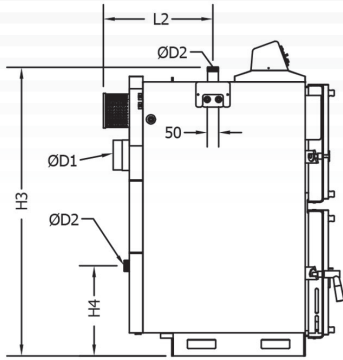
All OGD series are equipped with emergency flush system which activates when loss of electric power or any malfunction that causes rapid increase in the temperature of the boiler, to be able to instantly cool down the system.



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

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% * Ø6-8 mm Premium Quality Pellet	
	CO Emission Rate,, (13 % O ₂ ref)		mg/m3	< 250		
Fuel Filling Volume		lt	120	160		
		kg	42	56		
Required Accumulation Tank Volume		lt	1500	2000		
DIMENSIONS	W ₁ - Width		mm	600		
	W ₂ - Total width with cover plates		mm	650		
	L ₁ - Length		mm	1050	1375	
	H ₁ - Height		mm	1200		
	H ₂ - Total Height		mm	1380		
	W ₃ - Total Width		mm	1040	1120	
	ØD1 - Stack Diameter (inner-outer)		mm	125/130	146 -150	
	H ₆ - Height of Stack Connection		mm	880	870	
	Water Content		lt	90	115	
	Approx. Empty Weight		kg	440	520	
CONNECTIONS	Hot Water Outlet Connection	ØD ₂ , Diameter	inch	1 1/2"		
		H ₃ , Position	mm	1265		
		L ₂ , Position	mm	472,5	597,5	
	Water Inlet Connection	ØD ₂ , Diameter	inch	1 1/2"		
		H ₄ , Position	mm	395		
	Safety Cooling Heat Exchanger	ØD ₃ , Diameter	inch	3/4"		
H ₅ , Position		mm	1124			
Filling & Drain Connection	ØD ₄ , Diameter	mm	1/2"			

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