DEVRON Series

Duel Fuel Gasification Boilers The New Generation

Great Versatility Devron Series Dual Fuel Gasification Boilers

The new DEVRON series has been developed as an efficient and economical dual fuel system for wood logs and wood pellet users. They can switch between fuels automatically by the need. Large heat absorbing surfaces, extended hot gas passages and pre-heated air intake ensures DEVRON series boilers as one of the most efficient products out in the market. Unlike many boilers in the market, DEVRON series features vertical heat exchanger tubes just before flue gas outlet, further increasing gains of energy before it was exhausted. DEVRON series ensures maximum efficiency in both fuel mods. An observation glass is also special to DEVRON ser ies which is cruical for air adjustments.

Smart design of DEVRON allows burner to be easily removed, serviced and installed. All DEVRON 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.

Features

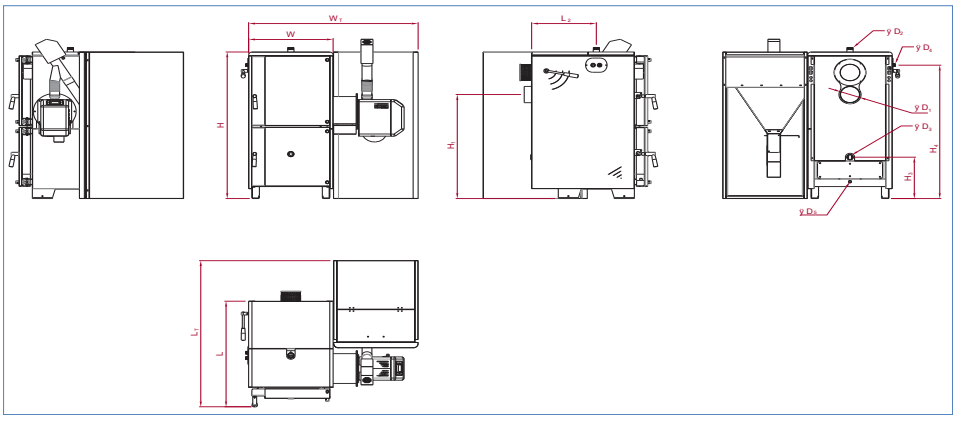
Observation glasses on lower doors enables easy observation of the fire and gasification adjustments

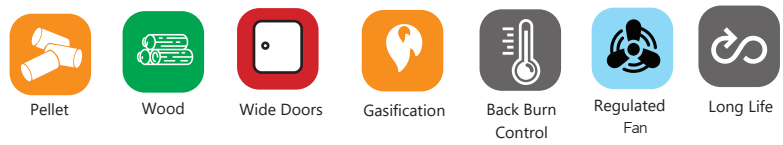
Waist level loading door allows convenient fuel loading

Adaptive air feed

Benefits of a Devron series Dual Fuel gasification boiler:

- Economical and Comfortable Heating
- Durable Structure Offers Longser-vicelife
- Automatic Switch Between Fuels
- Automatic Adjustment of Pellet Dosage
- User Friendly Control System with Digital Display
- Easy Cleaning and Maintenance
- Emergency Cooling System
- Automatic ignition for Pellet Burner
- Dual fan combustion control
- Software regulated combustion for optimum performance





Technical Specifications

TECHNICAL SPECIFICATION OF DEVRON TYPE WOOD GASIFICATION & PELLET FIRED COMBI BOILERS			Unit	BOILER TYPE		
				DEV-30	DEV-40	DEV-60
CAPACITY	Heat Output Range	Wood	kW	15 - 30	20 - 40	30 - 60
			kcal/h	12.900 - 25.800	17.200 - 34.400	25.800 - 51.600
		Pellet	kW	9-30	12-40	18 - 60
			kcal/h	7740-25800	10.320 - 34.400	15.480 - 51.600
	Direct Efficiency		%	>90		
OPERATING CONDITIONS	Boiler Class		-	CLASS 5 acc. To EN 303-5		
	Safety Limit Temperature		°C	97		
	Setting Range of Operating Temperature		°C	55 - 85		
	Min. Water Return Temperature		°C	55		
	Operating & Test Pressure		bar	3 - 4,5		
	Electrical Connection		-	230 Vac , 50 Hz, Fuse 6,3A		
	Recommended Fuel Types	Wood	-	Wood A, Hard Wood, 15% < Humidity < 25%		
				Ø80x500 mm		Ø80x700 mm
		Pellet		Wood Pellet C1 Ø6 mm Premium Quality, DIN EN Plus A1		
	Minimum Required Stack Draught (vacuum)		mbar	0,1		
	Boiler Gas Side Resistance		Pa	110	140	230
	Boiler Water Side Pressure Drop	DT = 20 °C	mbar	3,2	5,5	23,0
	Fuel Filling Volume		lt	120	160	200
			kg	42	56	70
	Approximatelly Combustion Period		h	5		
	Required Accumulation Tank Volume		lt	1500	2000	3000
	Airborne Noise Level		dB	< 60 dB		
MAIN DIMENSIONS	Boiler Width, W		mm	650		
	Total Width, WT		mm	1305		1360
	Boiler Lenght, L		mm	970		1270
	Total Lenght, LT		mm	1342		1642
	Boiler Height, H		mm	1245	1345	1395
	Stack Diameter, ØD1 (inner-outer)		mm	125-130	146-150	146-150
	Height of Stack Connection, H1		mm	955	865	1005
	Water Content		lt	105	115	170
	Approx. Empty Weight		kg	445	470	620
	Hot Water Outlet Connection	Diameter, ØD2	inch	1 ½"		
	Water Inlet Connection	Diameter, ØD3	inch	1 ½"		
	Safety Cooling Heat Exchanger 15 °C, 2 bar cold water	Diameter, ØD3	inch	¾ "		
		Position, H5	mm	1125	1225	1275
	Filling & Drain Connection	Diameter, ØD4	mm	½"		
PELLET SILO	Standart Silo Size	Volume	lt	240		400
			kg	170		300
		WidthxLenght	mm	650x800		
EMISSION RATES	Flue Gas Temperature	Wood	°C	155	156	165
		Pellet		70-135	70-145	80-155
	CO		mg/m^3	< 200		
POWER CONSUMPTIONS	in Stand-by		W	4		
	Average Consumptions	Wood		65	75	80
		Pellet		125	135	145