



## Eko Line Pellet Boiler

# Orlan Pellet

ORLAN PELLETT boilers are used for water heating in central heating systems and have an output up to 102 kBTU. The pellets are fed and burned automatically.

The 200 lbs (5 bags) hopper allows for a long burning time depending on heat load.

Pellet boilers are ecological devices operating at 1/3 the cost of gas, oil and electric heating. They can easily integrate with existing water heaters and be used for domestic water heating during the summer months.

The boiler is equipped with a microprocessor controller which automatically controls the burning process and preset optimal temperature range.

#### Controller Features:

- A constant temperature (set by the user) is maintained by using a variable speed blower and timed pellet feeder. This also protects against boiler overheating.
- Controller will shut down boiler when hopper is empty
- Boiler will shut down during idle and restart on demand

The boiler automatic ignition is a great feature for the user. It assures protection for both the boiler and heating system against freezing.

The boiler's high efficiency (91%) is due to its design and fully automatic combustion process.

The owner's only role is reduced to periodically loading the hopper (with pellets) and removing ashes.



#### technical data

Description	m.u.	value
Power	kBTU	102
Boiler's power range	kBTU	27-102
Energy draft	W	250
Max water temperature	°F	194
Fumes' temperature	°F	302
Water capacity	dm <sup>3</sup>	60
Weight	lbs.	661
Container's capacity	dm <sup>3</sup>	135
Chimney flue diameter	in.	6
Max working pressure	MPa	0,2
Boiler's efficiency	%	92
Heating space	sq. ft.	up to 3,000
One loading Burn Time		
8 kW burner's operating (27 kBTU)	h	90
15 kW burner's operating (51 kBTU)	h	55
30 kW burner's operating (102 kBTU)	h	30



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### New Horizon Corporation

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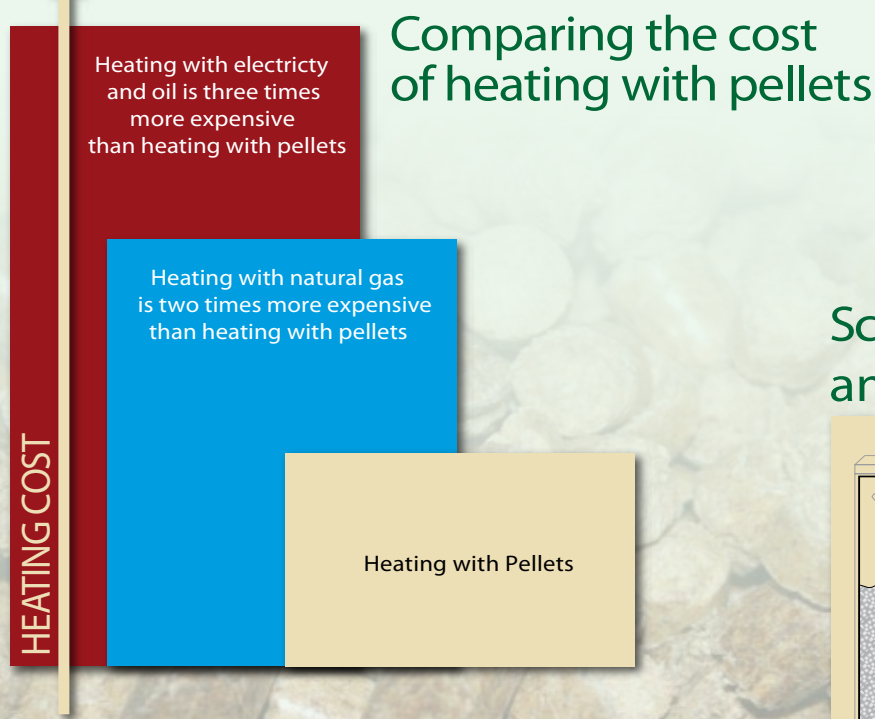
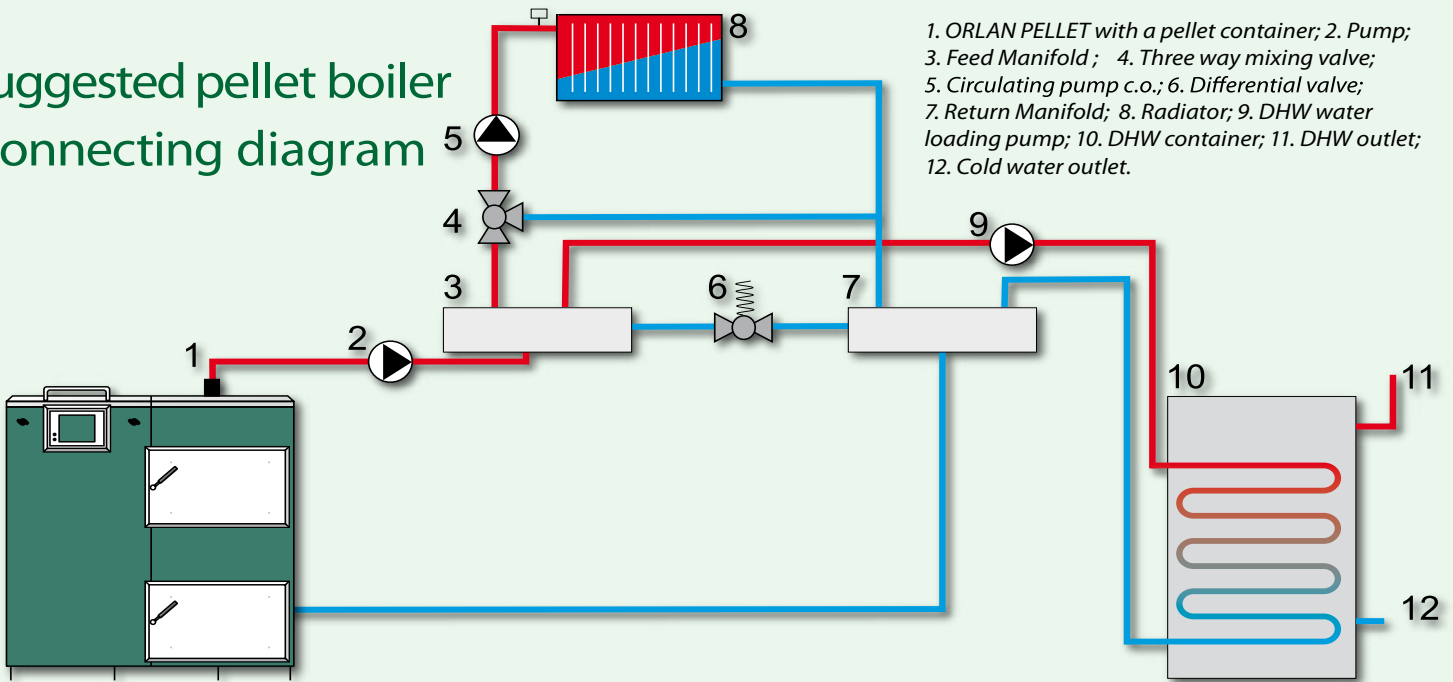
(304)765-7171

[www.newhorizoncorp.com](http://www.newhorizoncorp.com)



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## Suggested pellet boiler connecting diagram



## Comparing the cost of heating with pellets

## Schematic of combustion and delivery process

