

NEXT GEN
BOILER



**THE NEXT
GENERATION
ELECTRIC
BOILER**

JUST ADD PEX

NEXT GEN BOILER

Engineered into one attractive **plug-and-play system** with all parts housed within the unit.

The NextGen Boiler **installs in less than half the time** than a traditional electric boiler.

Allows the contractor to perform a consistent, professional install for radiant heating applications that **gives the homeowner peace of mind.**



Whole House



Sun Room



Home Additions



Basement

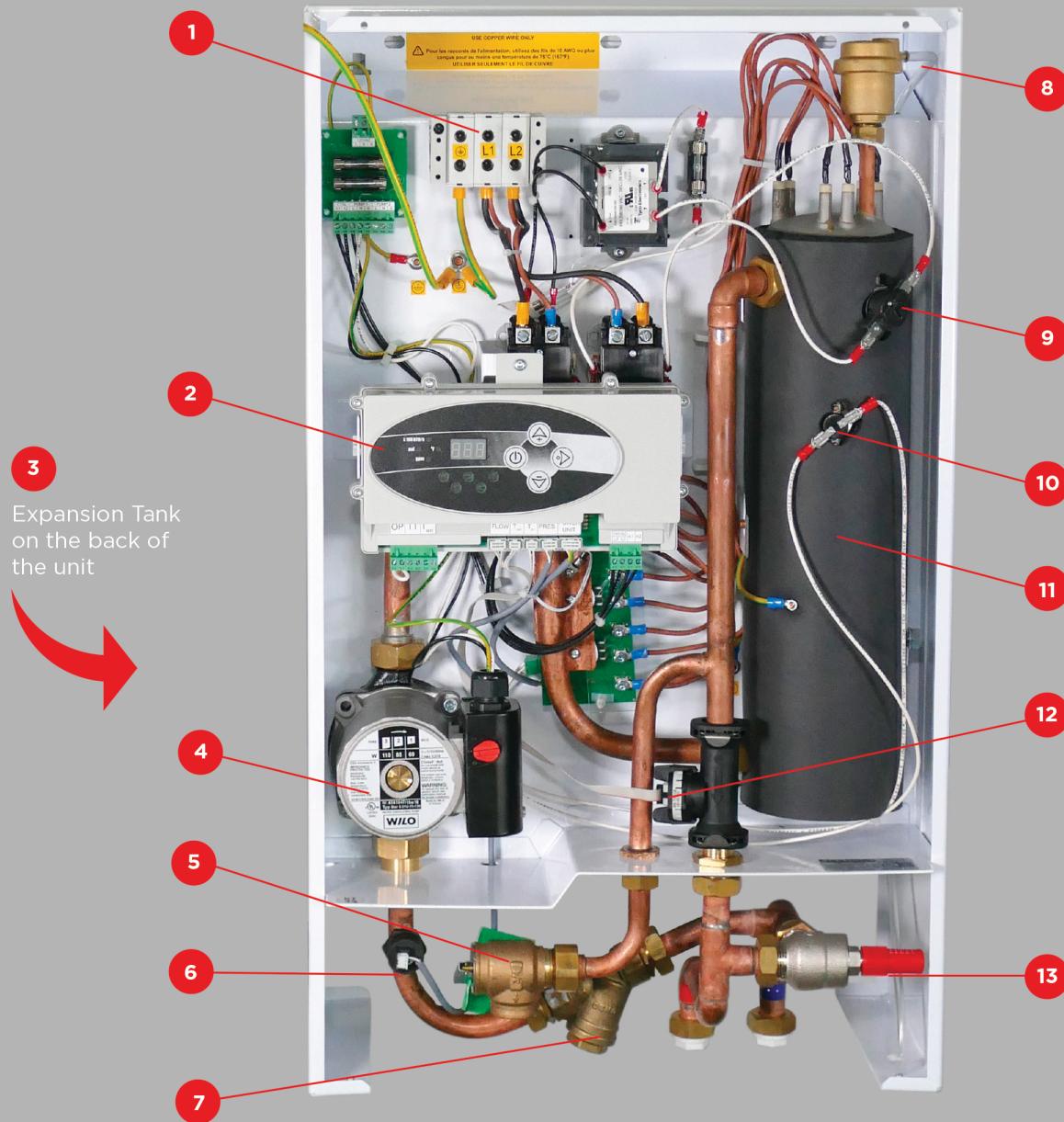


Garage



Post Frame





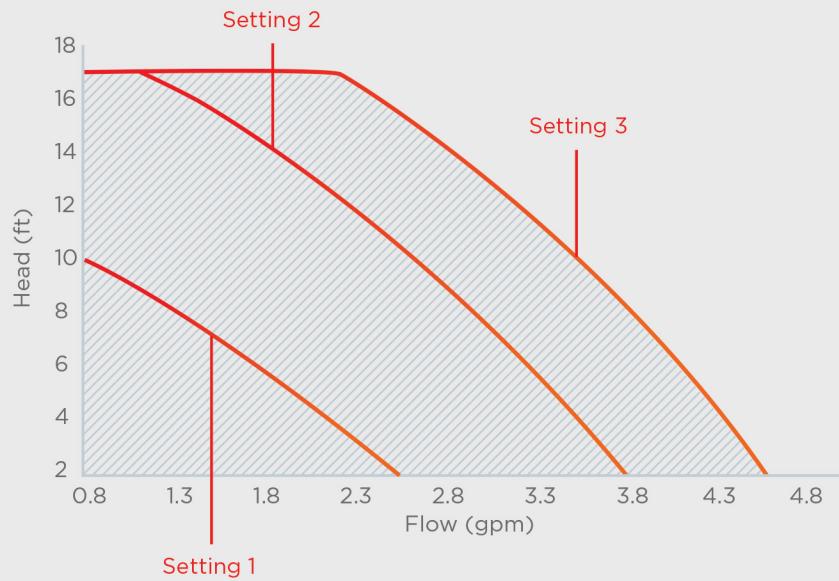
1. Wiring Entrance
2. Control Panel
3. Expansion Tank
4. Circulating Pump
5. Safety Relief Valve
6. Pressure Sensor
7. Magnetic Filter

8. Air Vent
9. Manual High Limit
10. Auto reset high limit
11. 304 Stainless Steel Heat Exchanger
12. Flow Sensor
13. Differential bypass valve

NEXTGEN BOILER RATINGS AND SPECIFICATIONS

Model number	NextGen - 4	NextGen - 6	NextGen - 8	NextGen - 12	NextGen - 14.4
Boiler Rated Power	4 kW	6 kW	8 kW	12 kW	14.4 kW
	13,652 Btu/h	20,478 Btu/h	27,304 Btu/h	40,956 Btu/h	49,147 Btu/h
Voltage	240 V	240 V	240 V	240 V	240 V
Rated Current	16.66 A	25.0 A	33.3 A	50.0 A	60 A
Breaker Quantity - Amps	1 @ 30 amp	1 @ 40 amp	1 @ 50 amp	1 @ 60/70 amp	1 @ 80 amp
Number of Heating Elements	3	3	3	3	3
Element Resistance / Each	43.3 Ω	28.8 Ω	21.6 Ω	14.4 Ω	12.0 Ω
Operating Temperature Range	85°-140° F				
Inlet / Outlet Pipe Thread	NPT 3/4" (internal thread)				
Expansion Vessel (14 psi.)	1.6 Gallons				
Safety relief valve rating	30 psi				
Maximum pressure	30 psi				
Minimum pressure	7 psi				
Weight	68.5 Lbs.				
Dimensions L x W x D	28" x 17" x 9 - 7/8"				
Minimum Flow Rate gpm	1.1				1.32

DISPOSABLE/ AVAILABLE PUMP HEAD



CIRCULATING PUMP/ WILO STAR S 21U 15.3 SPEED

Circulating pump - Wilo Star S 21 U 15.3 speed	
Circulating pump voltage	120V, 60Hz
Circulating pump Amps	.97
Speeds	3 speed
Fuse rating	2.0 amp
Electrical circuit breaker	- 15 amp @120 VAC

STANDARD FEATURES



- UL listed
- 4 -14.4 kW output
- 13,652 - 49,147 BTU output
- Modulated **three staged heating**
- Temperature output 85°-140°F
- **Stainless steel** heat exchanger
- Wilo Star 21, **three speed circulating pump**
- Primary/secondary pump relay control
- Flat expansion tank housed inside the boiler
- Outdoor compensation/reset
- **Redundant safety controls**
- Automatic air vent
- Magnetic filter
- Low pressure cut off
- Off-peak capability

CONTROL PANEL FEATURES



- Inlet and outlet temperature readings
- Precise temperature control
- Flow rate reading (GPM)
- Pressure reading (psi)
- BTU output reading
- Fault code reading
- Pump exercise mode

WARRANTY INFORMATION



NextGen Boiler warrants to the original purchaser that the NextGen Boiler will be free from manufacturing defects in materials and workmanship for a period of 24 months from date of sale.



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