

NEXT GEN
BOILERS



**THE NEXT
GENERATION
ELECTRIC
BOILER**

JUST ADD PEX

NEXT GEN BOILERS

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

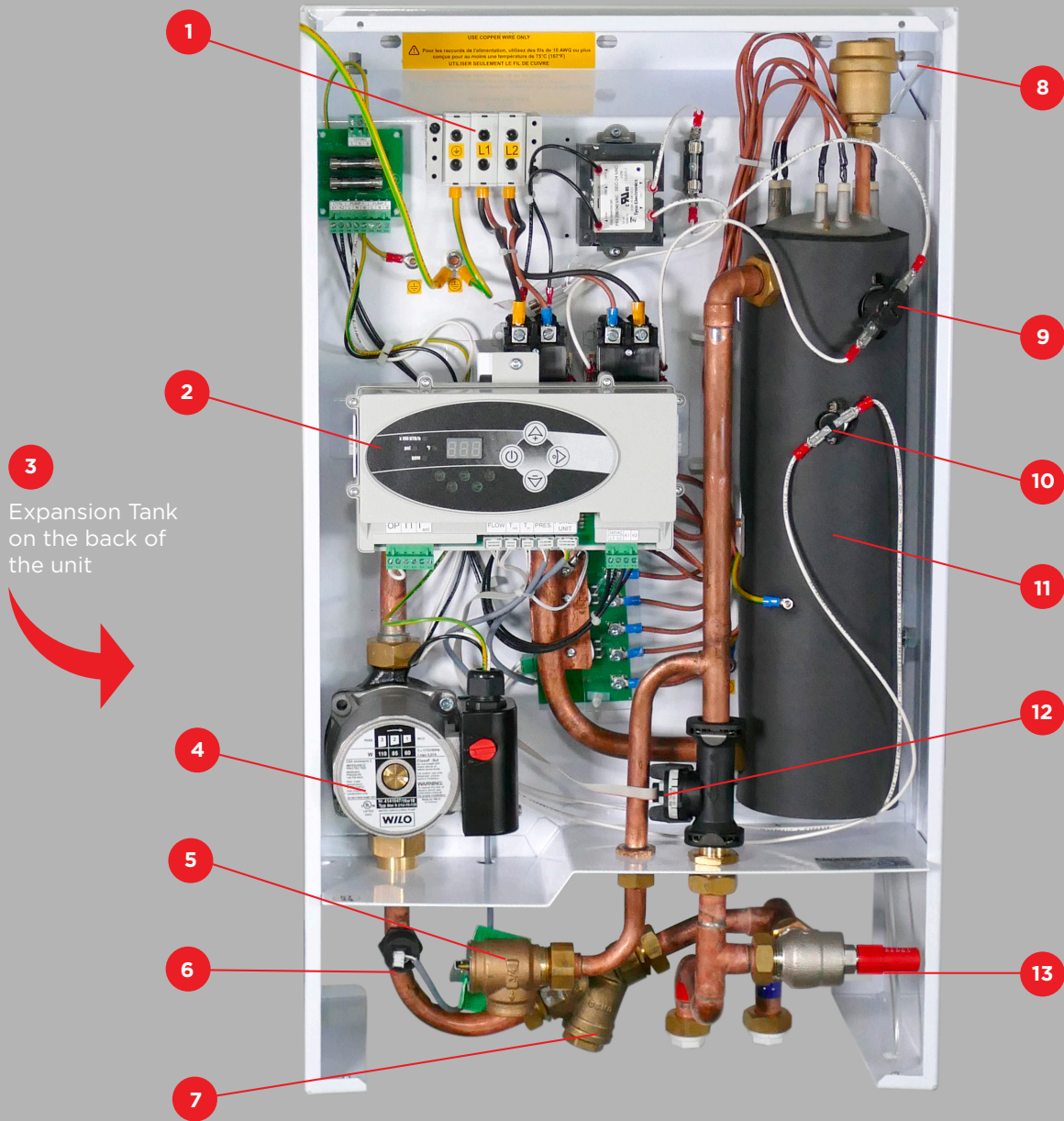


Garage



Post Frame





3
Expansion Tank
on the back of
the unit



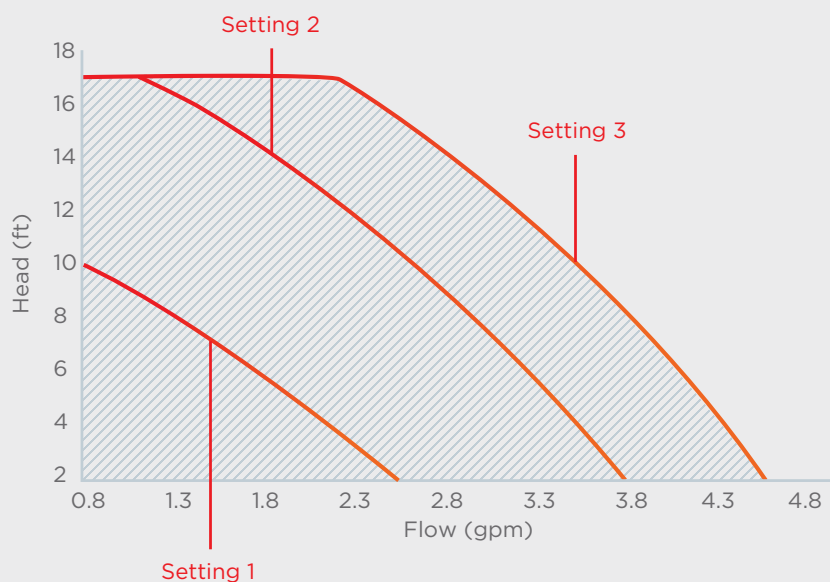
- 1. Wiring Entrance
- 2. Control Panel
- 3. Expansion Tank
- 4. Circulating Pump
- 5. Safety Relief Valve
- 6. Pressure Sensor
- 7. Magnetic Filter

- 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	G 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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