



# HEATER

## New Installation Checklist

Please read your HEATER INSTALLATION AND USER'S GUIDE carefully and review the checklist below before installing the heater. Note: The heater MUST be tested before connecting it to any remote controllers or switches. If you have problems or questions, please call Pentair Water Pool and Spa Customer Service at 1-800-831-7133.

Heater manual pages: **1** Max-E-Therm® (US/AU) **2** MasterTemp® (US/AU) **3** ETi® 400 (US)

### Electrical Checks

	<b>1</b>	<b>2</b>	<b>3</b>
<input type="checkbox"/> Check for loose connections on wiring harness and safety switches	30/28	30/27	40
<input type="checkbox"/> Check for correct power to heater ( <b>120V or 240V</b> )	28/26	29/26	38
<input type="checkbox"/> Check that fireman's switch or time clock/remote is correctly wired (24V)	29/27	30/27	39

### Gas Checks

<input type="checkbox"/> Check that heater and gas supply match	13/13	14/13	21
<input type="checkbox"/> Check that gas supply pipe is correct type and diameter	13/13	14/13	21
<input type="checkbox"/> Check that gas valve(s) are turned on	33/N/A	34/N/A	13
<input type="checkbox"/> Check that there are no gas leaks and that heater passes gas pressure test	15/14	15/14	22
<input type="checkbox"/> Check gas pressure on inlet side of heater gas valve	15/15	15/14	21

### Water Checks

<input type="checkbox"/> Check that water piping is correctly connected to the manifold	11/11	12/12	19
<input type="checkbox"/> Check that correct pressure relief valve has been installed (if code requires it)	45/43	46/43	52
<input type="checkbox"/> Check for correct location of chemical feeder	11/11	12/12	20
<input type="checkbox"/> Check pressure switch adjustment	34/32	35/32	14

### Start-up Checks

<input type="checkbox"/> Check circuit breaker	28/27	29/18	39
<input type="checkbox"/> Check main FILTER pump	11/11	12/11	19
<input type="checkbox"/> Check that system valves are correctly set	11/11	12/11	19
<input type="checkbox"/> Check water chemistry	47/45	49/45	55
<input type="checkbox"/> Check that filter has been cleaned and/or backwashed			
<input type="checkbox"/> Check CONDENSATE TUBING is at its highest position at the cartridge outlet.			36
<input type="checkbox"/> Measure the supply pressure before and after the heater is on. Be sure the pressure drop is not more than 2 inwc.			21
<input type="checkbox"/> Set water flow to maintain a temperature rise of 30°F +/- 5°F between the water inlet temperature and the water outlet temperature from the heat exchangers.			20