

How to check the resistance of a heating element

TOOLS NEEDED

- Digital Multimeter

PROCEDURE

- STEP 1** Turn off power.
- STEP 2** Remove wire(s) from one of the element terminal screws (to isolate it so other circuitry will not affect the reading).
- STEP 3** Set the Multimeter to Ohms (Ω) and measure across the two terminal screws to get the resistance reading.
- STEP 4** Compare the resistance reading to the chart. The resistance should be +/-5% of the value in the chart below. If it is out of this range it should be replaced.
- STEP 5** Check to make sure the heating element isn't shorted to the chamber or tank by measuring from the element terminal to the chamber or tank. It should be open or (OL). If there is a low resistance reading, it should be replaced.



HEATING ELEMENT RESISTANCE CHART

HEATING ELEMENT P/N	OHMS	HEATING ELEMENT P/N	OHMS
C1315-2	21.6	N13 15-4500	12.8
C1315-3	10.8	N1315-5500	10.5
C1315-4	8.7	N1315-7000	8.2
C1315-5	7.2	N1375-8000	7.2
C2315-6	6.7	N1375-9000	6.4
C2315-7	6.1	N1315-6000T4	38.4
C2315-8	5.8	N1315-7000T4	32.9
N2375-9	4.8	N1375-8000T4	28.8
N2375-10	4.5	N1375-9000T4	25.6
C1315-11	28.8	N1315*7000T3	20.6
C1315-12	19.2	N1375-8000T3	18.1
C1315-13	16.5	N1375-9000T3	16.0
C1315-14	14.4	N1315-7000TS	27.7
C1315-15	12.8	N1375-8000TS	24.2
C1315-16	11.5	N1375-9000TS	21.5
C1315-17	9.6	N1315-7000T7	24.6
C1315-18	8.9	N1375-8000T7	21.5
C1315-34	8.5	N1375-9000T7	19.1
HEATING ELEMENT P/N	OHMS	HEATING ELEMENT P/N	OHMS
C2315-19	7.7	N1315-7000T6	51.4
N2375-20	6.4	N1375-8000T6	45.0
N2375-21	5.9	N1375-9000T6	40.0
C1315-22	115.2	N1375-8000R	5.4
C1315-23	98.8	N1375-9000R	4.8
C1315-24	76.8		
C1315-25	65.8		
C1315-26	57.6		
C1315-27	51.2		
C1315-28	46.1		
C1315-29	38.4		
C1315-30	35.4		
C1315-31	30.7		
N2375-32	25.6		
N2375-33	23.6		
C1315-35	34.1		