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## Single Tube Heater

Solution should be kept 2" above the heated length at all times. For all acid solutions except those containing hydrofluoric or fluorides

- **Type GN: Standard watt density, 40 watts/sq. inch** - for Mild acids.
- **Type N: Low watt density, 20 watts/sq. inch** - for Heat sensitive or heavy acid solutions such as nickel plating, electropolishing or phosphoric acid. **NOT recommended for alkaline or caustic solutions.**

All type **GN** and **N** quartz heaters are supplied with a preset over-temperature switch encased in a teflon® tube that runs vertically along the outside of the quartz tube. This switch should be used with our **TC** series temperature controls and a separate liquid level control system.

- "A" Dimension is maximum immersion length.
- "B" Dimension is heated length.

Maximum solution operation temperature is 200°F. For higher operating temperatures, consult factory for specially designed heaters.

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<u>Item #</u>	<u>KW</u>	<u>KW</u>	<u>MAX. Immersion Length [A]</u>	<u>Heated Length [B]</u>	<u>CH</u>	<u>LG</u>	<u>Type</u>
<u>GN-1XX12</u>	1	.5	12"	6"	5	4.	GN
<u>GN-15XX16</u>	1.5	.75	16"	8"	5	5	GN
<u>GN-2XX19</u>	2	1	19"	11"	6	5	GN
<u>GN-3XX22</u>	3	1.5	22"	14"	7	5	GN
<u>GN-4XX28</u>	4	2	28"	19"	8	5	GN
<u>GN-5XX34</u>	5	2.5	34"	26"	9	6	GN
<u>GN-6XX40</u>	6	3	40"	31"	11	7	GN
<u>GN-75XX47</u>	7.5	3.5	47"	35"	12.	9	GN
<u>GN-9XX52</u>	9	4.5	52"	38"	14.	10	GN
<u>GN-12XX70</u>	12	6	70"	57"	17	13	GN
<u>N-5XX12</u>	1	.5	12"	6"	5	4.	N
<u>N-75XX16</u>	1.5	.75	16"	8"	5	5	N
<u>N-1XX19</u>	2	1	19"	11"	6	5	N

<u>N-15XX22</u>	3	1.5	22"	14"	7	5	N
<u>N-2XX28</u>	4	2	28"	19"	8	5	N
<u>N-25XX34</u>	5	2.5	34"	26"	9	6	N
<u>N-3XX40</u>	6	3	40"	31"	11	7	N
<u>N-35XX47</u>	7.5	3.5	47"	35"	12.	9	N
<u>N-45XX52</u>	9	4.5	52"	38"	14.	10	N
<u>N-6XX70</u>	12	6	70"	57"	17	13	N