

ALL JJM NEUTRALIZING PRODUCTS

WARNING!

JJM neutralizers are sized by BTU input to establish a flow rating. Job site conditions will determine neutralizer design. See GPH chart below.

How much fireside condensate will my equipment develop?

Hot water heaters / Boilers / Furnaces / Economizers

Equipment Efficiency	GPH Condensate
90%	.725 / Per 100,000 BTU Input
91%	.733 / Per 100,000 BTU Input
92%	.741 / Per 100,000 BTU Input
93%	.750 / Per 100,000 BTU Input
94%	.758 / Per 100,000 BTU Input
95%	.766 / Per 100,000 BTU Input
96%	.774 / Per 100,000 BTU Input
97%	.782 / Per 100,000 BTU Input
98%	.790 / Per 100,000 BTU Input
99%	.798 / Per 100,000 BTU Input

Multiple Boiler Common Flue drains: 33.3% of total BTU input of connected equipment.

Example: (3) Boilers @ 100,000 BTU Input would need a pH treatment kit rated @ 100,000 BTU for the stack drain and a flow rate of .725 to .798 depending on efficiency.

Consider the following when choosing a neutralizer for less maintenance during operation of your heating equipment.

- 1. Your location in relation to weather (Very Cold, Cold, Moderately Cold)**
- 2. System Design (Process, Radiate, Snow Melt, Heating, etc.)**
- 3. Yearly Operating Hours**
- 4. pH level out of heating equipment (3.2 to 4.0 is normal)**
- 5. If pH out of the heating equipment is below 3.2 pH contact the factory for sizing.**
- 6. Abnormally low pH out of the equipment condensate drain can be caused by the following:**
 - A. Improper Combustion**
 - B. Contaminated Combustion Air**
 - C. High Sulfur Content in Gas Supply**
 - D. pH below 2.0 is considered hazardous waste by EPA. Contact JJM Technical Service at 413-427-3373 or 413-527-1893**

JJM highly recommends operating your heating equipment for 24-48 hours prior to connecting a neutralizer so as to flush out dirt, grease, and oils from connected piping and the heater. This is also the best time to check the heater condensate pH level for sizing your neutralizer.