Thomas & Betts
ANALYSIS OF NEC ®

2017 Code Changes: Article Article 425 (NEW) Fixed Resistance and Electrode Industrial Process Heating Equipment

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425.1 Scope. This Article covers fixed indusial process heating employing electric resistance or electrode handling technology. For the purpose of this article, heating equipment shall include boilers, electric boilers, duct heaters strip heaters, immersion heaters, process air heaters, and other approved fixed electric equipment used for industrial process heating. This article shall not apply to heating and room air condition for personal spaces covered by Article 424, fixed heating equipment for pipelines and vessels covered by Article 427, and induction and dielectric heating equipment covered by Article 427, and induction and dielectric heating equipment covered by Article 665, and industrial furnaces incorporating silicon carbine, molybdenum, or graphite process heating elements.

Analysis of the Change

New Article 425 Fixed Resistance and Electrode Industrial Process Heating Equipment was added to the 2017 NEC. The Code did not completely address requirements for industrial process heating equipment such as boilers, duct heaters, strip heaters, immersion heaters, process air heaters as well as other approved fixed electric equipment used in industrial applications. This article does not cover fixed heating equipment for pipelines and vessels covered by Article 427, and induction and dielectric heating equipment covered in Article 665 as well as other heating apparatus.

Products

ABB HVAC Drive ACH580, ABB Complete Air to Air Heat Exchange, ABB Strip Heater, ABB BoilerMax

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Contact Us

If you have any questions or require interpretation assistance, please contact the following:

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Disclaimer: This is not intended to be an iteration of all the changes, but a reference of a change that may affect the Thomas & Betts, ABB & Baldor product lines. For a more in-depth document, please contact the International Association of Electrical Inspectors at www.iaei.org.

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