

# Contractor Service Tips



## Flooding

### Q: What is meant by 'flooding'?

Flooding (also known as 'flood back') is the term used to describe the condition when liquid refrigerant reaches the compressor. This occurs when the amount of liquid fed to the evaporator is more than can be evaporated. There are a number of possible causes of flooding including:

- TXV oversized for the application
- TXV misadjusted (superheat too low)
- System overcharged with refrigerant
- Insufficient airflow through evaporator
- Dirty evaporator
- Evaporator fans not operating
- TXV bulb not properly attached

Form No. 2005DS-134 Issued 1/06

Emerson Climate Technologies logo is a trademark of Emerson Electric Co.

© 2006 Emerson Climate Technologies. Printed in the USA.