

# CostGard™

## Condensate Drain Systems

Section 23 \_ \_ \_

*All links below appear in your browser.*

*Display hidden notes to specifier. (Don't know how? [\[Click Here\]](#) )*

**\*\* NOTE TO SPECIFIER \*\* Section 23 \_ \_ \_ - CONDENSATE DRAIN SYSTEM is suggested for all HVAC condensate drains.**

**CostGard™ Condensate Drain Systems are products of *Trent Technologies*.**

**CostGard™ Condensate Drain Systems were developed specifically to replace the failure-prone p-trap commonly used on HVAC air handlers. They solve all the problems associated with the p-trap by eliminating destructive water damage and health-threatening conditions. Unlike the p-trap, CostGard™ Condensate Drain Systems require virtually no maintenance.**

**This section is based on products of *Trent Technologies* located at:**

**15939 Old Jacksonville Highway**

**Tyler, TX 75703**

**Tel: 903-509-4843**

**Email: [info@TrentTech.com](mailto:info@TrentTech.com)**

**Web: [www.TrentTech.com](http://www.TrentTech.com)**

### PART 1 GENERAL

#### 1.1 SECTION INCLUDES

- A. CostGard™ Condensate Drain System for HVAC units for Draw-Through and Blow-Through air handlers.

#### 1.2 DEFINITIONS

- A. Draw-Through: HVAC units where the cooling coil (and drain pan) operates at a pressure below ambient.
- B. Blow-Through: HVAC units where the cooling coil (and drain pan) operates at a pressure above ambient.

#### 1.3 RELATED SECTIONS

- A. Section 23 06 30.13 - HVAC Fan Schedules
- B. Section 23 06 70 - Schedules for Central HVAC Equipment
- C. Section 23 06 80 - Schedules for Decentralized HVAC Equipment
- D. Section 22 05 53 - Identification for Plumbing, Piping and Equipment
- E. Section 22 07 19 - Plumbing Piping Insulation
- F. Section 22 13 16 - Sanitary Waste and Vent Piping

## 1.4 REFERENCES

- A. McGraw-Hill: HVAC Handbook, 2004, Chapter 18.8

**\*\*NOTE TO SPECIFIER \*\*** [\[Click Here\]](#) **View: HVAC Handbook**

- B. ASHRAE Standard 62-89R, paragraph 5.6.4.

**\*\*NOTE TO SPECIFIER \*\*** [\[Click Here\]](#) **View: Standard 62-89R**

## 1.5 SUBMITTALS

- A. Manufacturer shall supply product data sheets on each product to be used.
- B. Manufacturer shall provide installation drawings.

## 1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Single source for design, engineering, production, and technical support.
- B. Manufacturers shall have at least 20 years of experience in manufacturing condensate drain systems.

## 1.7 DELIVERY, STORAGE AND HANDLING

- A. Store products in the manufacturer's unopened packaging until ready for installation.

## PART 2 PRODUCTS

### 2.1 CONDENSATE DRAIN SYSTEM

- A. Provide CostGard™ Condensate Drain System for all HVAC air handlers.
  - 1. Draw-Through CostGard™ Drain System.

**\*\*NOTE TO SPECIFIER \*\*** [\[Click Here\]](#) **View: Draw-Through Submittal**

- 2. Blow-Through CostGard™ Drain System.

**\*\*NOTE TO SPECIFIER \*\*** [\[Click Here\]](#) **View: Blow-Through Submittal**

- B. Acceptable Manufacturer: Trent Technologies located at 15939 Old Jacksonville Highway, Tyler, Texas 75703; Tel: 903-509-4843; Email: [info@TrentTech.com](mailto:info@TrentTech.com); Web: [www.TrentTech.com](http://www.TrentTech.com).

- 1. Provide HVAC submittals and equipment schedules to Trent Technologies.

- C. Substitutions: Not permitted.

### 2.2 ACCESSORIES

- A. Install field-supplied pipe supports as required by the manufacturer.
- B. Install field-supplied pipe and fittings as required by the manufacturer.

## PART 3 EXECUTION

### 3.1 INSTALLATION

- A. Allow sufficient height on the curb or slab to accommodate the drain system.
- B. Allow sufficient height to accommodate the drain system if suspended.
- C. Allow 1/8" per foot slope in drain line from drain system to condensate disposal location.
- D. Install in accordance with the manufacturer's instructions.
- E. Provide field data if requested by the manufacturer.
- F. Test and balance for proper operation. Adjust and retest until proper operation is achieved in accordance with the manufacturer's instructions.
- G. Contact the manufacturer for technical support.

### 3.2 MAINTENANCE

- A. None

END OF SECTION