

MODEL EC-17 16.8 K-FACTOR CONTROL-MODE EXTENDED COVERAGE

Recessed Pendant & Pendant Sprinklers (TY7228)

WHY USE THE EC-17?

- ◆ *Recessed Configuration is Ideal for Retail Applications*
- ◆ *Maximum 196 sq. ft./Sprinkler Spacing (14 ft. X 14 ft. spacing)*
- ◆ *Reduces Number of Installed Sprinklers by Nearly Half*
- ◆ *Hydraulic Calculations Based on Actual Spacing (SXL Rule)*
- ◆ *Ideal for Area/Density Applications of .25 gpm/sq. ft. and Higher*

GENERAL DESCRIPTION

The Tyco® Model EC-17 Extended Coverage Pendant Sprinklers are "Control-Mode Extended Coverage Sprinklers" having a nominal K-factor of 16.8. Their use is especially advantageous as a means of decreasing the number of sprinklers required to protect occupancies requiring an area/density application of water.

The recessed version of the Model EC-17 Pendant Sprinkler is intended for use in areas with finished ceiling.



TECHNICAL DATA

Approvals: UL and C-UL Listed.

Maximum Working Pressure: 175 psi (12,1 bar)

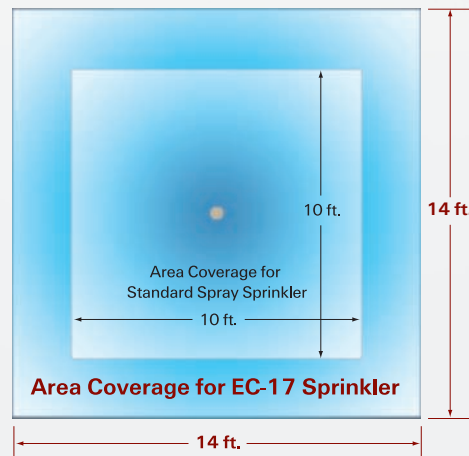
Minimum Pressure: 7psi (0,5 bar)

Pipe Thread Connection: 3/4" NPT

Discharge Coefficient: $K = 16.8 \text{ GPM}/\text{psi}^{1/2}$
 $K = (241,9 \text{ LPM}/\text{bar}^{1/2})$

Temperature Ratings: 160°F/71°C or 212°F/100°C

Finish: Natural Brass, Chrome, or White



When compared to a standard sprinkler EC-17 reduces the number of sprinklers needed in an area by approximately half and consistently performs better in a retail application.

EC-17 Sprinkler Flow Rate / PSI Required

DENSITY	FLOW	PRESSURE
0.25 gpm/ft. ²	49.0 GPM	8.5 psi
0.30 gpm/ft. ²	58.8 GPM	12.3 psi
0.35 gpm/ft. ²	68.6 GPM	16.7 psi

Area/Sprinkler Comparison

Area Protected	EC-17 Number of Sprinklers	STANDARD Number of Sprinklers
50,000 ft. ²	256	500
100,000 ft. ²	511	1000
200,000 ft. ²	1021	2000

Always refer to the Technical Data Sheet TFP215 for complete description for all Listing & Approval criteria, design parameters, installation instructions, care and maintenance guidelines, and our limited warranty.

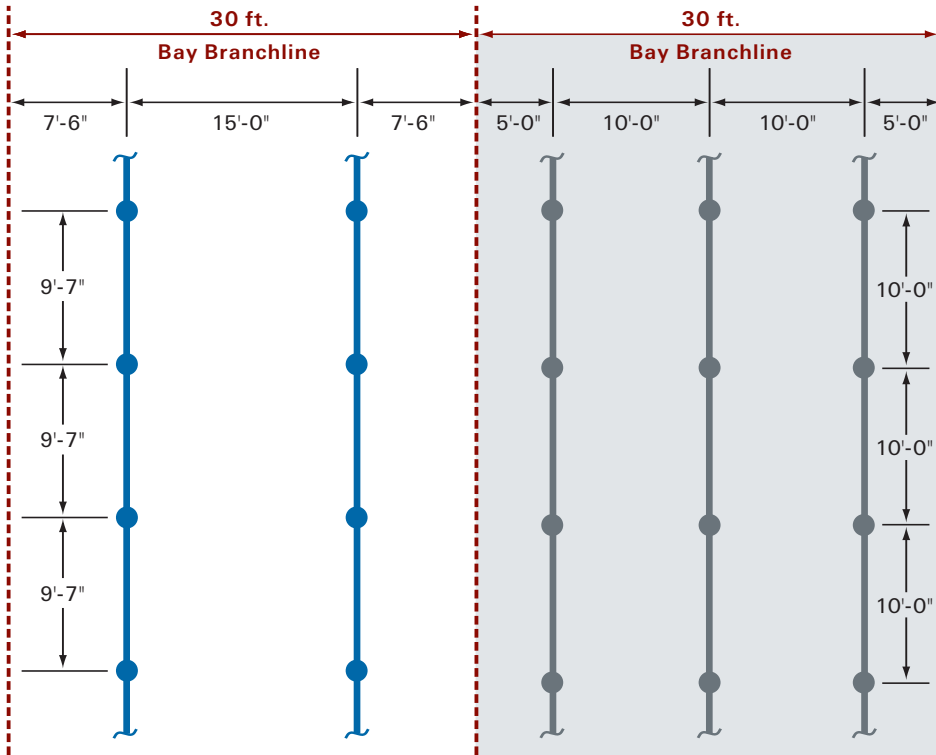
MODEL EC-17

ORDERING PROCEDURE & SPECIFICATIONS

Part Number to Indicate Temperature and Finish

MODEL EC-17 BAY BRANCHLINE COMPARISON

EC-17 SPRINKLER VERSUS STANDARD SPRINKLER



Note: Per NFPA 13, Bay spacings in multiples of 15'-0", EC-17 can be spaced to 15' X 9'-7" (A maximum of 144 ft²)

ORDERING PROCEDURE

Sprinkler Assemblies

Specify: Part Number Indicates Temperature Rating and Finish for Model EC-17 (TY7228) Extended Coverage Pendent Sprinkler.

Natural Brass (TY7228)

160°F/71°C P/N: 51-310-1-160

212°F/100°C P/N: 51-310-1-212

Chrome Plated (TY7228)

160°F/71°C P/N: 51-310-9-160

212°F/100°C P/N: 51-310-9-212

White Polyester (TY7228)

160°F/71°C P/N: 51-310-4-160

212°F/100°C P/N: 51-310-4-212

Recessed Escutcheon

Specify: Part Number Indicates Finish on Style 30 Recessed Escutcheon.

Chrome Plated P/N: 56-705-9-011

White Coated P/N: 56-705-4-011

Brass Plated P/N: 56-705-2-011

Sprinkler Wrench

W-Type 3 P/N: 56-895-1-001

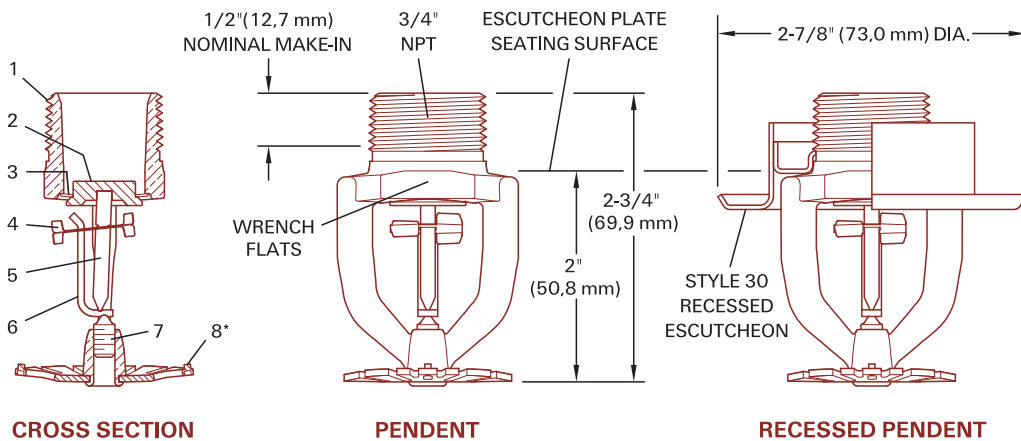
W-Type 24 P/N: 56-000-6-856

MODEL EC-17 Extended Coverage Pendent Sprinkler

COMPONENTS

- 1 - Frame
- 2 - Button
- 3 - Sealing Assembly
- 4 - Link Assembly
- 5 - Stem
- 6 - Hook
- 7 - Compression Screw
- 8 - Deflector*

*Temperature rating is indicated on deflector.



Tyco Fire & Building Products

Technical Services

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