

VNIV.EX15208 - Sprinklers, Automatic and Open

Sprinklers, Automatic and Open

HD FIRE PROTECT PVT LTD

D-6/2, Road No. 34
Wagle Industrial Estate
Thane, Maharashtra 400604 India

EX15208

Sprinkler Identification Number (SIN) HD 201, 202, 101, 102, 204, 104, HD211, HD212, HD108, HD208, HD105, HD205, HD243, HD172, HD171, HD272, HD271, HD173, HD273, HD602, HD702, HD601, HD701, HD603, HD703, HD608, HD708 glass bulb type sprinklers.

sprinklers.

UPRIGHT AND PENDENT STANDARD SPRAY SPRINKLERS NOMINAL 5.6 K-FACTOR

| SIN | Response Type | Type | Nom K-Factor | System Working Pressure, psig | Temp Rating, °F |
|-------|---------------|---------|--------------|-------------------------------|------------------------------|
| HD201 | QR | Pendent | 5.6 | 175 | 135, 155, 175, 200, 286 |
| HD202 | QR | Upright | 5.6 | 175 | 135, 155, 175, 200 |
| HD101 | SR | Pendent | 5.6 | 175 | 135, 155, 175, 200, 286, 360 |
| HD102 | SR | Upright | 5.6 | 175 | 135, 155, 175, 200 |
| HD402 | SR | Upright | 5.6 | 175 | 135, 155, 175, 200 |
| HD502 | QR | Upright | 5.6 | 175 | 135, 155, 175, 200 |
| HD401 | SR | Pendent | 5.6 | 175 | 135, 155, 175, 200 |
| HD501 | QR | Pendent | 5.6 | 175 | 135, 155, 175, 200 |
| HD602 | SR | Upright | 5.6 | 175 | 135, 155, 175, 200, 286 |
| HD702 | QR | Upright | 5.6 | 175 | 135, 155, 175, 200, 286 |
| HD601 | SR | Pendent | 5.6 | 175 | 135, 155, 175, 200, 286 |
| HD701 | QR | Pendent | 5.6 | 175 | 135, 155, 175, 200, 286 |

NOMINAL 1.4 TO 4.2 K-FACTOR

| SIN | Response Type | Type | Nom k-Factor | System Working Pressure, psig | Temp Rating, °F |
|-------|---------------|---------|--------------|-------------------------------|--------------------|
| HD211 | QR | Pendent | 4.2 | 175 | 135, 155, 175, 200 |
| HD212 | QR | Upright | 4.2 | 175 | 135, 155, 175, 200 |

NOMINAL 8.0 K-FACTOR

| SIN | Response Type | Type | Inlet Thread NPT | System Working Pressure, psig | Temp Rating, °F |
|-------|---------------|---------|------------------|-------------------------------|--------------------|
| HD172 | SR | Upright | 3/4 | 175 | 135, 155, 175, 200 |

| | | | | | |
|-------|----|---------|-----|-----|--------------------|
| HD171 | SR | Pendent | 3/4 | 175 | 135, 155, 175, 200 |
| HD272 | QR | Upright | 3/4 | 175 | 135, 155, 175, 200 |
| HD271 | QR | Pendent | 3/4 | 175 | 135, 155, 175, 200 |

FLUSH, RECESSED AND CONCEALED SPRINKLERS

| SIN | Response Type | Type | Nom K-Factor | Cover | Temp Rating, °F |
|-------|---------------|---------------|--------------|----------|------------------------------|
| | | | | | Sprinkler |
| HD204 | QR | Conc. Pendent | 5.6 | 135 | 155 |
| HD201 | QR | Rec. Pendent | 5.6 | — | 135, 155, 175, 200, 286 |
| HD104 | SR | Conc. Pendent | 5.6 | 135 | 135, 155 |
| HD104 | SR | Conc. Pendent | 5.6 | 155 | 175, 200 |
| HD101 | SR | Rec. Pendent | 5.6 | — | 135, 155, 175, 200, 286, 360 |
| HD171 | SR | Rec. Pendent | 8.0 | — | 135, 155, 175, 200 |
| HD271 | QR | Rec. Pendent | 8.0 | — | 135, 155, 175, 200 |
| HD173 | SR | Rec. HSW | 8.0 | — | 135, 155, 175, 200 |
| HD273 | QR | Rec. HSW | 8.0 | — | 135, 155, 175, 200 |
| HD404 | SR | Concealed | 5.6 | 135, 155 | 135, 155, 175, 200 |
| HD504 | QR | Concealed | 5.6 | 135, 155 | 135, 155, 175, 200 |

STANDARD SIDEWALL SPRAY SPRINKLERS

| SIN | Response Type | Type | Nom k-Factor | System Working Pressure, psig | Temp Rating, °F |
|---------|---------------|------------|--------------|-------------------------------|-------------------------|
| | | | | | |
| HD103# | SR | HSW | 5.6 | 175 | 135, 155, 175, 200 |
| HD203# | QR | HSW | 5.6 | 175 | 135, 155, 175, 200 |
| HD105# | SR | VSW | 5.6 | 175 | 155, 175, 200 |
| HD205# | QR | VSW | 5.6 | 175 | 155, 175, 200 |
| HD173# | SR | HSW | 8.0 | 175 | 135, 155, 175, 200 |
| HD273# | QR | HSW | 8.0 | 175 | 135, 155, 175, 200 |
| HD403+# | SR | Horizontal | 5.6 | 175 | 135, 155, 175, 200 |
| HD503+# | QR | Horizontal | 5.6 | 175 | 135, 155, 175, 200 |
| HD603*# | SR | Horizontal | 5.6 | 175 | 135, 155, 175, 200, 286 |
| HD703*# | QR | Horizontal | 5.6 | 175 | 135, 155, 175, 200, 286 |

+ - Installed 4 to 12 in. below ceiling.

- For ordinary hazard occupancies.

CONVENTIONAL (OLD STYLE) SPRINKLERS

| | | | |
|-------|----|-----|------------------------------|
| HD108 | SR | 5.6 | 135, 155, 175, 200, 286, 360 |
| HD208 | QR | 5.6 | 135, 155, 175, 200, 286 |
| HD608 | SR | 5.6 | 135, 155, 175, 200, 286 |
| HD708 | QR | 5.6 | 135, 155, 175, 200, 286 |

QUICK RESPONSE (QR)-EXTENDED-COVERAGE SPRINKLERS - LIGHT HAZARD

| SIN | Type | Max Width Ft (A) | Max Length Ft (B) | Min Flow GPM | System Working Pressure, psig | Nom K-Factor | Distance Below Ceiling, In. | Temp Rating, °F |
|-------|---------------|---------------------|----------------------|--------------------|----------------------------------------|-----------------|--------------------------------------|-----------------------|
| | | | | | | | | |
| HD243 | HSW, Rec. HSW | 16 | 16 | 26 | 175 | 5.6 | 4 to 12 | 135, 155, 175, 200 |
| HD243 | HSW, Rec. HSW | 16 | 18 | 29 | 175 | 5.6 | 4 to 12 | 135, 155, 175, 200 |
| HD243 | HSW, Rec. HSW | 16 | 20 | 32 | 175 | 5.6 | 4 to 12 | 135, 155, 175, 200 |
| HD243 | HSW, Rec. HSW | 16 | 22 | 36 | 175 | 5.6 | 4 to 6 | 135, 155, 175, 200 |
| HD243 | HSW, Rec. HSW | 16 | 22 | 42 | 175 | 5.6 | 6 to 12 | 135, 155, 175, 200 |
| HD223 | HSW, Rec. HSW | 16 | 16 | 28 | 175 | - | 4 to 12 | 135, 155, 175, 200 |
| HD223 | HSW, Rec. HSW | 16 | 18 | 29 | 175 | - | 4 to 12 | 135, 155, 175, 200 |
| HD223 | HSW, Rec. HSW | 16 | 20 | 32 | 175 | - | 4 to 6 | 135, 155, 175, 200 |
| HD223 | HSW, Rec. HSW | 16 | 20 | 36 | 175 | - | 6 to 12 | 135, 155, 175, 200 |
| HD223 | HSW, Rec. HSW | 16 | 22 | 36 | 175 | - | 4 to 12 | 135, 155, 175, 200 |
| HD223 | HSW, Rec. HSW | 16 | 24 | 39 | 175 | - | 4 to 12 | 135 |
| HD223 | HSW | 16 | 24 | 39 | 175 | - | 4 to 12 | 175 |

(A) Dimension of wall on which a sidewall sprinkler is installed.

(B) Dimension perpendicular to wall on which a sidewall sprinkler is installed.

Trademark and/or Tradename: "HD"

Last Updated on 2022-02-09

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2022 UL LLC"