

This certificate is issued for the following equipment:

Automatic Sprinklers for Fire Protection

| Model | K | Туре | Resp. | Element | NPT (in.) | Finishes | Temperature Ratings °F (°C) |
|-------|-----|---------|-------|------------|-----------|---------------|-------------------------------------|
| HD401 | 5.6 | Pendent | SR | Job G5 5mm | 1/2 | Brass, Chrome | 135, 155, 200 (57, 68, 93) |
| HD501 | 5.6 | Pendent | QR | Job F3 3mm | 1/2 | Brass, Chrome | 135, 155, 175, 200 (57, 68, 79, 93) |

Prepared for:

HD Fire Protect Pvt. Ltd. D-6/2, Road No. 34, Wagle Industrial Estate Thane, 400604 Maharashtra, India

FM Approvals Class: 2017

FM Approval Standard: Class Series 2000 (February 2018)

Approval Identification: PR458928 Approval Granted: December 28, 2020

To verify the availability of the Approved product, please refer to www.approvalguide.com

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

David B. Fuller

VP, Manager – Fire Protection

FM Approvals

1151 Boston-Providence Turnpike

Norwood, MA 02062

USA

FM Approvals®

Member of the FM Global Group

January 11, 2021

Date



This certificate is issued for the following equipment:

| Model | K | Type | Resp. | Element | NPT | Finishes | Temperature Ratings |
|-------|-----|-----------|-------|---------|-------|----------------|----------------------------|
| | | | | | (in.) | | °F (°C) |
| HD101 | 5.6 | Pendent | SR | Norbulb | 1/2 | Brass, Chrome, | 135, 155, 175, 200 |
| | | | | N5 5mm | | Polyester | (57, 68, 79, 93) |
| HD101 | 5.6 | Recessed | SR | Norbulb | 1/2 | Brass, Chrome, | 135, 155, 175, 200 |
| | | Pendent | | N5 5mm | | Polyester | (57, 68, 79, 93) |
| HD102 | 5.6 | Upright | SR | Norbulb | 1/2 | Brass, Chrome, | 135, 155, 175, 200 |
| | | | | N5 5mm | | Polyester | (57, 68, 79, 93) |
| HD104 | 5.6 | Concealed | SR | Norbulb | 1/2 | Brass | 155, 175, 200 (68, 79, |
| | | Pendent | | N5 5mm | | | 93) |

Prepared for: HD Fire Protect Pvt. Ltd.

HD Fire Protect Pvt. Ltd., C-3/6, Nandanvan Industrial Estate, LBS

Marg, Thane (W) – 400604, Maharashtra, India

FM Approvals Class: 2016, 2017, 2015

FM Approval Standard: Class Series 2000 (March 2006)

Approval Identification: 3055423 Approval Granted: April 10, 2015

To verify the availability of the Approved product, please refer to www.approvalguide.com

Supersedes certificate dated April 10, 2015

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

VII Mana

May 29, 2015

Date

Richard B. Dunne

Manager – Fire Protection

FM Approvals

1151 Boston-Providence Turnpike

Norwood, MA 02062

USA



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This certificate is issued for the following equipment:

| Model | K | Type | Resp. | Element | NPT | Finishes | Temperature Ratings |
|-------|-----|-----------|-------|---------|-------|----------------|----------------------------|
| | | | | | (in.) | | °F (°C) |
| HD201 | 5.6 | Pendent | QR | Norbulb | 1/2 | Brass, Chrome, | 155, 175, 200 (68, 79, |
| | | | | N3 3mm | | Polyester | 93) |
| HD201 | 5.6 | Recessed | QR | Norbulb | 1/2 | Brass, Chrome, | 155, 175, 200 (68, 79, |
| | | Pendent | | N3 3mm | | Polyester | 93) |
| HD202 | 5.6 | Upright | QR | Norbulb | 1/2 | Brass, Chrome, | 155, 175, 200 (68, 79, |
| | | | | N3 3mm | | Polyester | 93) |
| HD204 | 5.6 | Concealed | SR | Norbulb | 1/2 | Brass | 155, 175, 200 (68, 79, |
| | | Pendent | | N3 3mm | | | 93) |

HD Fire Protect Pvt. Ltd., C-3/6, Nandanvan Industrial Estate, LBS Prepared for: Marg, Thane (W) – 400604, Maharashtra, India

FM Approvals Class: 2016, 2017, 2015

FM Approval Standard: Class Series 2000 (March 2006)

Approval Identification: 3055423 Approval Granted: April 10, 2015

To verify the availability of the Approved product, please refer to www.approvalguide.com

Supersedes certificate dated April 10, 2015

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May 29, 2015

Date

Manager – Fire Protection

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|-------|-----|------------------------|-------|---------------|-----------|---------------|--------------------------------|
| HD401 | 5.6 | Pendent | SR | Job G5 5mm | 1/2 | Brass, Chrome | 175 (79) |
| HD402 | 5.6 | Upright | SR | Job G5 5mm | 1/2 | Brass, Chrome | 175 (79 |
| HD403 | 5.6 | Horizontal Sidewall | SR | Job G5 5mm | 1/2 | Brass, Chrome | 175 (79) |

Prepared for:

HD Fire Protect Pvt. Ltd.

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

Maharashtra, India

FM Approvals Class: 2012, 2016, 2017

FM Approval Standard: Class Series 2000 (February 2018)

Approval Identification: PR462170 Approval Granted: February 24, 2022

To verify the availability of the Approved product, please refer to www.approvalguide.com

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

David B. Fuller

VP, Manager – Fire Protection

FM Approvals

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