

Kidde WHDR™ Agent Discharge Nozzles



P/N 87-1200XX-001

FEATURES

- For Use in WHDR™ Commercial Cooking Fire Suppression Systems
- Stainless Steel Internal Strainer
- Nickel-Chrome Plated Brass Body
- Grooved Rings for Easy Identification
- Foil Seal Prevents Clogging from Grease
- Available Swivel Adapter for Easy Aim Adjustment

DESCRIPTION

There are seven agent discharge nozzles available for use with the Kidde WHDR Wet Chemical Suppression System. Each nozzle has a specific flow number which is an indication of the discharge rate. Nozzle types are selected based upon the specific hazard being protected. All nozzles have a 3/8-in. NPT female thread and are stamped with the nozzle type (see Figure 1).

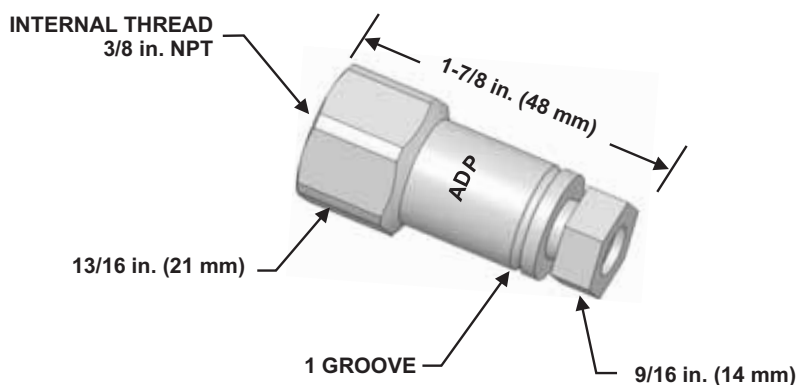


Figure 1. ADP Nozzle

A swivel adapter (P/N 87-120021-001) may be used with each nozzle to facilitate proper aim (see Figure 2).

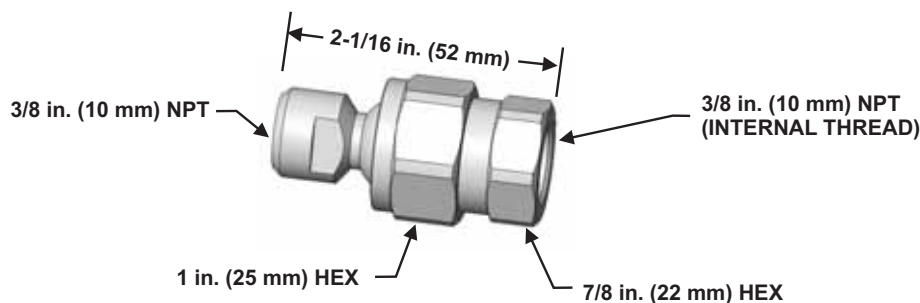


Figure 2. Nozzle Swivel Adapter

TECHNICAL DATA

Table 1: Nozzle Application Information



| Nozzle Type | Part Number | Flow | Reference in WHDR Wet Chemical DIOM Manual (P/N 87-122000-001) | Application |
|-------------|--|------|--|--|
| ADP |  <p>87-120012-001 1 Groove</p> | 1 | Paragraph 3-4.6 | Split Vat Deep Fat Fryer (Low Proximity) Max. Hazard Area: 14 in. x 15 in. (356 mm x 381 mm) Max. Appliance Area: 14 in. x 21 in. (356 mm x 533 mm) |
| | | | Paragraph 3-4.8 | Krispy Kreme Model 270 d/h Doughnut Fryer 8 ADP Nozzles Required, 8 Total Flows, Dedicated WHDR-600 Cylinder Max. Depth (front-to-back): 33 in. (840 mm) Max. Length (left-to-right): 93 in. (2362 mm) |
| | | | Paragraph 3-4.13 | Upright Broiler Max. Internal Broiler Compartment: 30-1/4 in. x 34 in. (768 mm x 864 mm) |
| | | | Paragraph 3-4.16 | Natural or Mesquite Charcoal Charbroiler Max. Cooking Surface: 24 in. x 24 in. (610 mm x 610 mm) Max Fuel Depth: 6 in. (152 mm) |
| | | | Paragraph 3-4.18 | Chain Broiler (Closed-Top) Max. Internal Hazard Area: 28 in x 29 in. (711 mm x 737 mm) |
| | | | Paragraph 3-4.19 | Chain Broiler (Open-Top) Max. Internal Hazard Area.: 28 in x 29 in. (711 mm x 737 mm) |
| | | | Paragraph 3-4.20 | Griddle - Flat Cooking Surface With or Without Raised Ribs Max. Hazard Area: 30 in. x 42 in. (762 mm x 1067 mm) |
| | | | Paragraph 3-6.1 | Plenum No Filter: 10 ft. x 4 ft. (3 m x 1.2 m) Max. "V" Filter: 10 ft. x 4 ft. (3 m x 1.2 m) Max. Per Nozzle Single Bank Filter: 10 ft. x 4 ft. (3 m x 1.2 m) Max. Per Nozzle |
| | | | Paragraph 3-6.1.1.1 | Duct Up to 50 in. (1270 mm) perimeter per nozzle Max. Throw: 11.78 in. (300 mm) Unlimited duct length |
| GRW |  <p>87-120013-001 3 Grooves</p> | 1 | Paragraph 3-4.15 | Gas Radiant/Electric Charbroiler Max. Cooking Surface: 21 in. x 24 in. (533 mm x 610 mm) |
| | | | Paragraph 3-4.21 | Wok Diameter: 14 in. to 28 in. (356 mm to 711 mm) Depth: 3 in. to 8 in. (76 mm to 203 mm) |

Table 1: Nozzle Application Information (Continued)

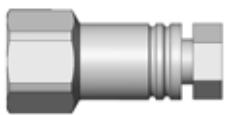
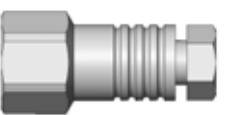
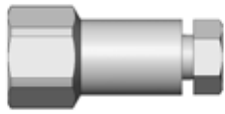

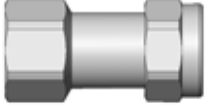
| Nozzle Type | Part Number | Flow | Reference in WHDR Wet Chemical DIOM Manual (P/N 87-122000-001) | Application |
|-------------|---|------|--|---|
| F | 87-120012-001  2 Grooves | 2 | Paragraph 3-4.1 | Single Vat Deep Fryer Max. Hazard Area: 18 in. x 18 in. (457 mm x 457 mm) Max. Appliance Area: 18 in. x 23 in. (457 mm x 584 mm) |
| | | | Paragraph 3-4.2 | 18-1/2 in. x 24-1/2 in. (470 mm x 622 mm) Deep Fat Fryer (2) F Nozzles Required, 4 Total Flows Max. Hazard Area: 18-1/2 in. x 18 in. (470 mm x 457 mm) Max. Appliance Area: 18-1/2 in. x 24-1/2 in. (470 mm x 622 mm) |
| | | | Paragraph 3-4.3 | Split Vat Deep Fat Fryer Max. Hazard Area: 14 in. x 15 in. (356 mm x 381 mm) Max. Appliance Area: 14 in. x 21 in. (356 mm x 533 mm) |
| | | | Paragraph 3-4.4 | 14 in. x 14 in. (356 mm x 356 mm) Deep Fat Fryer Max. Hazard Area: 14 in. x 14 in. (356 mm x 356 mm) Max. Appliance Area: 14 in. x 24-1/2 in. (356 mm x 622 mm) |
| | | | Paragraph 3-4.5 | Single Vat Deep Fryer with Drip Board less than 1 in. (25 mm) Max. Hazard Area: 24 in. x 24 in. (610 mm x 610 mm) Max. Appliance Area: 24 in. x 25 in. (610 mm x 635 mm) |
| | | | Paragraph 3-4.14 | Charbroiler (Lava, Pumice, Ceramic, or Synthetic Rock) Max. Appliance Area: 22 in. x 23 in. (559 mm x 584 mm) |
| | | | Paragraph 3-4.22 | Tilt Skillet (Braising Pan) Max. Hazard Area: 24 in. x 24 in. (610 mm x 610 mm) |
| R | 87-120014-001  4 Grooves | 1 | Paragraph 3-4.9 | Four-Burner Range Max. Hazard Area: 28 in. x 28 in. (711 mm x 711 mm) Shape of Burner Not Important |
| | | | Paragraph 3-4.10 | Two-Burner Range Max. Hazard Length: 28 in. (711 mm) Shape of Burner Not Important |
| | | | Paragraph 3-4.11 | Single-Burner Range Shape of Burner Not Important |
| DM | 87-120015-001  0 Grooves | 3 | Paragraph 3-4.17 | Mesquite Log Charbroiler Max Cooking Surface: 30 in. x 24 in. (762 mm x 610 mm) Max. Fuel Depth: 10 in. (254 mm) May Use Wood Chips, Chunks, Logs or any Combination |

Table 1: Nozzle Application Information (Continued)

| Nozzle Type | Part Number | Flow | Reference in WHDR Wet Chemical DIOM Manual (P/N 87-122000-001) | Application |
|-------------|---|------|--|---|
| LPF | 87-120022-001  1 & 4 Grooves | 2 | Paragraph 3-4.7 | Deep Fat Fryer (Low Proximity) Max. Hazard Area: 14 in. x 15-1/2 in. (356 mm x 394 mm) Max Appliance Area: 14 in. x 23-1/4 in. (356 mm x 591 mm) |
| LPR | 87-120024-001  Disc & Core | 1 | Paragraph 3-4.12 | Four-Burner Range (Low Proximity) Max. Hazard Area: 24 in. x 24 in. (610 mm x 610 mm) |

ORDERING INFORMATION

| <u>Description</u> | <u>Part Number</u> |
|-----------------------|--|
| ADP Nozzle | 87-120016-001 (10-pack of 87-120011-001) |
| F Nozzle | 87-120017-001 (10-pack of 87-120012-001) |
| GRW Nozzle | 87-120018-001 (10-pack of 87-120013-001) |
| R Nozzle | 87-120019-001 (10-pack of 87-120014-001) |
| DM Nozzle | 87-120020-001 (10-pack of 87-120015-001) |
| LPF Nozzle | 87-120023-001 (10-pack of 87-120022-001) |
| LPR Nozzle | 87-120025-001 (10-pack of 87-120024-001) |
| Swivel Adapter | 87-120021-001 (each) |
| Foil Seals | 60-9197054-000 (10-pack) |
| Disc Cap | 60-9197290-001 (10-pack, not for LPR nozzle) |
| Disc Cap, LPR | 87-120026-001 (each, for LPR nozzle only) |

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