Kidde ECS Advanced Delivery
Fire Suppression System
Component Description

Plain Nut Discharge Head

FEATURES

- Plain Nut Discharge Head can be Actuated by Electric or Pneumatic Control Head or by Back Pressure from the Manifold
- Plain Nut Discharge Head is used with Single and Multiple Nitrogen Driver Systems
- UL Listed, File Number 4674
- FM Approved
- RoHS Compliant

DESCRIPTION

At installation, each Kidde ECS Advanced Delivery Fire Suppression System nitrogen driver cylinder and valve assembly must be equipped with a discharge head to actuate the nitrogen driver cylinder valve. The discharge head is assembled to the top of the nitrogen driver cylinder valve and contains a spring-loaded piston which, when actuated by nitrogen pressure, is designed to depress the main check in the valve and transfer the contents of the nitrogen tank into the agent cylinder. The transfer outlet is designed to mate with the swivel adapter on the 1-in. flexible transfer hose (P/N 06-118207-00X). The discharge head also contains an integral stop check which, in the event that a cylinder is removed from the Kidde ECS Advanced Delivery system assembly, automatically prevents the loss of nitrogen during the system transfer. The plain nut discharge head allows the nitrogen driver to be actuated by the control head (electric or pneumatic) or by back pressure discharge in the manifold. The plain nut discharge head is convenient for applications using multiple drivers for one agent cylinder.

Note: For additional detail regarding Kidde ECS Advanced Delivery manifolding, refer to the coordinating DIOM.

MAINTENANCE

MONTHLY:

Inspect nitrogen driver discharge head for cracks, corrosion, grime, etc. Ensure that the discharge head is tightly secured to the nitrogen cylinder valve and connected to the agent cylinder with the 1-in. nitrogen transfer hose. If any defects are found during the monthly inspection, immediately contact a Kidde Distributor to service the systems.

WARNING

The agent storage cylinder must be permanently connected to the system piping. Never attach the discharge head to the cylinder valves until the cylinders are secured in brackets or racking and the hose is attached to the agent cylinder. Under no circumstances should the discharge head remain attached to the cylinder valve after removal from service or during shipment, handling, storage or filling. In the event of an inadvertent discharge, failure to follow these instructions could result in death, serious bodily injury and/or property damage.
SPECIFICATIONS

MATERIALS

- Body: Brass
- O-rings: Rubber
- Spring: Stainless Steel
- Stop Check: Brass
- Weight: 4.0 lb. (1.8 kg)

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>WK-872450-000</td>
<td>Plain Nut Discharge Head</td>
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</table>

COMPATIBILITY

<table>
<thead>
<tr>
<th>Series</th>
<th>For Use With</th>
<th>Compatible Cylinders (lb.)</th>
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</thead>
<tbody>
<tr>
<td>Kidde ECS Advanced Delivery with FM-200® Agent</td>
<td>X</td>
<td>675, 1010</td>
</tr>
<tr>
<td>Kidde ECS Advanced Delivery with 3M™ Novec™ 1230 Fire Protection Fluid</td>
<td>X</td>
<td>200, 350, 600, 900</td>
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