POSITIVE DRAIN ACTUATOR
MODEL - A

TECHNICAL DATA

MODEL A
MAXIMUM WORKING PRESSURE 12.3 Kg./Sq.Cm.(175PSI)
APPROVALS Part of HD’s UL Listed Deluge Valve Model-A Trim

DESCRIPTION

Positive Drain Actuator (PDA) Model A is a device used in dry pilot detection trim for Deluge Valve Model-A. The compressed air connecting the detection line, holds the diaphragm seat and thereby holds the water pressure coming through the diaphragm chamber of Deluge Valve. On release of detection line, when the air pressure drops, the spring lifts the diaphragm seat of the actuator and drains the water of diaphragm chamber of the Deluge Valve. Once the water pressure inside the Deluge Valve diaphragm chamber reach 0.7 Kg./Sq.cm. the direct drain spring lifts the seat and the positive drain continues till the time the actuator is manually reset.

Positive Drain Actuator must be tested for operation quarterly. To test, release air pressure in detection line, the water flow from open drain (3/4”) of actuator must be noticed and Deluge Valve must trip. Reset the Deluge Valve.


Notify all authorities having jurisdiction while testing so as to avoid false alarm.

<table>
<thead>
<tr>
<th>LINE WATER PRESSURE Kg./Sq.cm.</th>
<th>AIR PRESSURE IN DETECTION LINE Kg./Sq.cm.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MINIMUM</td>
<td>MAXIMUM</td>
</tr>
<tr>
<td>2</td>
<td>1.2</td>
</tr>
<tr>
<td>4</td>
<td>1.5</td>
</tr>
<tr>
<td>6</td>
<td>2.0</td>
</tr>
<tr>
<td>8</td>
<td>2.5</td>
</tr>
<tr>
<td>10</td>
<td>3.0</td>
</tr>
<tr>
<td>12</td>
<td>3.5</td>
</tr>
</tbody>
</table>

LIMITED WARRANTY

HD FIRE PROTECT PVT. LTD. hereby referred to as HD FIRE warrants to the original purchaser of the fire protection products manufactured by HD FIRE and to any other person to whom such equipment is transferred, that such products will be free from defect in material and workmanship under normal use and care, for two (2) years from the date of shipment by HD FIRE. Products or Components supplied or used by HD FIRE, but manufactured by others, are warranted only to the extent of the manufacturer’s warranty. No warranty is given for product or components which have been subject to misuse, improper installation, corrosion, unauthorized repair, alteration or un-maintained.

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NOTICE:

The equipment presented in this bulletin is to be installed in accordance with the latest publication standards of NFPA or other similar organisations and also with the provision of government codes or ordinances wherever applicable.

The information provided by us is to the best of our knowledge and belief, and consist of general guidelines only. Site handling and installation control is not in our scope. Hence we give no guarantee for result and take no liability for damages, loss or penalties whatsoever, resulting from our suggestion, information, recommendation or damages due to our product.

Product development is a continuous programme of HD FIRE PROTECT PVT. LTD. and hence the right to modify any specification without prior notice is reserved with the company.

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