WATER-STIK
Dust Suppression System
MODEL 67-7000

DESCRIPTION

A safe, inexpensive Dust Suppressor that’s truly cost-effective. The WATER-STIK performs every bit as well, if not better than all the “sophisticated” higher-priced units.

Factory assembled and requiring only simple water and electrical hook-ups, the WATER-STIK is the answer to instant compliance and the end of costly citations.

The WATER-STIK sprays only when media is present where dust is liberated (usually just before a transfer point). When the belt is not running, no water is sprayed.

INSTALLATION

1. Suspend the WATER-STIK over the conveyor at a height that gives the desired spray pattern.

2. Make connections to water supply.

3. Connect power cable to 120 VAC. Ground connection required for proper operation and safety.

4. Adjust a conveyor roller to spin only when material is passing over it. If no material is on the belt, the belt should not contact the roller. See VR SENSOR installation section.

SPECIFICATIONS

- **AC Input**: 120 VAC 15 W
- **Fuse Protected**: 2 amp
- **Minimum Operating Speed**: 100 RPM (use two (2) targets for speeds below 100 RPM)
- **On-Time Delay**: 2 Seconds
- **Maximum Water Pressure**: 500 P.S.I.
- **GPM’s @ 400 P.S.I.**: .8 GPM (1.2 GPM if extension is used)

REPLACEMENT PARTS

- **Spray Nozzle**: 99-HDW-0003
- **High Volume Nozzle**: 99-HDW-0063
- **Variable Reluctance Sensor, General Mount**: 10-7003

DIMENSIONS
VR SENSOR
Variable Reluctance Type
MODELS 10-7003, 10-7032

INSTALLATION

1. Select the roller or shaft to be monitored. If a roller is to be monitored, be sure it is always contacting the belt.

2. Affix a target on the roller or shaft. Target should be a piece of key stock, 1/4-20 Hex Nut, etc. (Figure 1) Dents and notches are not recommended as targets.

3. Mount sensor firmly with hose clamps or U-bolts to prevent it from moving or working loose. Tape is NOT recommended as a fastener.

4. Before tightening, place sensor close enough to the target(s) to produce a strong, steady blinking on the sensor-head LED. The LED should blink in direct proportion to the roller speed. Effective distance between sensor and target(s) is approximately .25 inch to .75 inch depending on target mass and roller speed.

FIGURE 1

DIMENSIONS

| Dimensions | 4 in. x 1.3 in. O.D. |
| Sensor Type | Variable Reluctance Failsafe Output |
| Sensor Power Requirement | Current limited 12 VDC from Control Unit |
| Sensor Cable | Unshielded Twisted Pair 16/2 |
| Distance | Sensor to control unit - 2 Miles MAX |
| Minimum Sensing Speed | 60 RPM |