

SPARK DETECTION SYSTEMS

All components are specifically designed and engineered to protect wood working dust collecting systems from catastrophic fires. The immediate spark detection and instantaneous discharge of water assures unsurpassed fire protection without the need to shut down the entire filter system. It starts with infrared detectors continually scanning all particles in the duct as it searches for a spark. When a spark passes the detector, it sends a signal to the control panel, which simultaneously activates the water spray solenoid valve. The water sprays the duct within milliseconds after the spark is detected. The water spray solenoid valve continues to operate for a pre-programmed number of seconds after each spark passes the detector. This ensures that all sparks in the duct are drawn through the water curtain and extinguished. The valve then automatically closes to prevent excessive water build up in the ducts.

