SAFE ASD™

SafeASD-720™
Aspirating Smoke Detector
• Up to 668 sq m (7,200 sq ft)

Inside the Technology!
Finally Aspirating Detection Made Simple and Affordable

Today's modern businesses require earlier warning smoke detection to safeguard their facilities. Traditionally these types of systems have been very expensive. Our engineers have developed a way to combine traditional aspirating detection with today's advanced technology to create the New Safe ASD-720. Now the SafeASD-720 can provide all the benefits of aspirating detection, earlier warning at a price everyone can afford.
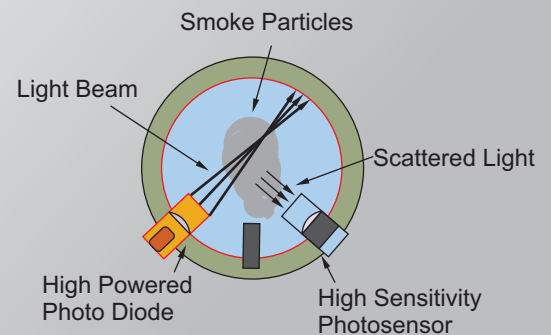
SafeASD-720 is the next generation in earlier warning aspirating smoke detection systems. SafeASD-720 utilizes an aspirating fan to draw air back from the hazard to a high sensitivity sensor via a supervised air sampling pipe network. This proactive approach is actively searching for earlier signs of smoke in the environment instead of passively waiting for smoke to rise to the ceiling to a much less sensitive standard detector.

Simple, Accurate, Flexible and Economical
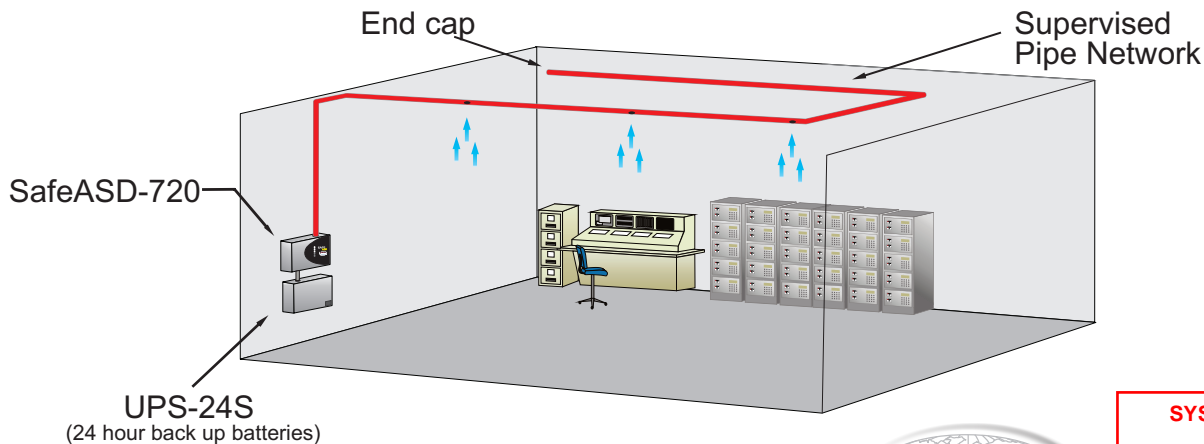
Sensor Technology:

Sensitivity Made Simple!!!

Earlier smoke detection no longer has to be complicated or expensive. Today's advanced technologies allow the SafeASD-720 sensor to utilize ultra high sensitivity light scattering technology to detect earlier signs of smoke down to .1%obs/ft (.3%obs/m). All at a fraction of the cost of older technologies. The air sample is exposed to a **NEW** high sensitivity photo diode and then through a lens where it is focused into a sharp beam of light which passes in front of a photo sensor. When earlier signs of smoke particles are present in the air, the beam of light becomes scattered and a portion of the light rays fall on the sensor triggering the alarm.

Smoke Particles
Light Beam
Scattered Light
High Powered Photo Diode
High Sensitivity Photosensor

System Components:

End cap
Supervised Pipe Network
SafeASD-720
UPS-24S
(24 hour back up batteries)

SAFE FIRE DETECTION, INC.