



Protecting your high-tech assets with innovative, user-friendly technology for liquid leak detection

LeakFilm



The most reliable, durable, cost-effective solution

Unlike some other forms of liquid leak detection, LeakFilm stands up to the challenges of your facility:

- **Durable and flexible.** You can walk on it, roll carts over it, wrap it around pipes, and subject it to varying levels of temperature, humidity and dust — with no false alarms.
- **Fast response.** When LeakFilm senses a liquid leak, the LeakFilm controller immediately notifies you so you can address the situation without delay. Additionally, certain LeakFilm configurations can measure the distance from the leak point to the controller giving you increased visibility to the location of the leak.
- **Long life.** Unlike sensing cables, which may need to be replaced after exposure to some liquids, LeakFilm withstands water and conductive liquids*. In the event of exposure, just wipe off the ribbon and reuse it — no replacement costs.
- **Easy to install and maintain.** Use the adhesive backing and supplied connectors to install LeakFilm wherever you need it. And if it tears, simply cut and reconnect the film — no need to replace the whole section. You can even write on the ribbon if needed.

***NOTE:** Conductive and Conductive_D are reusable. Chemical and hydrocarbon LeakFilm detection must be replaced at the spot of the leak after contact.

What happens if a leak causes liquid to come into contact with the sensitive equipment in your semiconductor facility? Would you know about it? Would you have time to correct the problem, preventing damage and costly downtime?

LeakFilm uses innovative technology to alert you to leaks of water, chemicals and hydrocarbons — so you can take immediate action to protect your assets, manage costs and ensure constant uptime.

In addition to protecting your equipment, LeakFilm helps you protect your people — by monitoring for liquid leaks that cause life-safety hazards such as slips, falls and inhalation of dangerous vapors.

Flexible applications for liquid leak detection

LeakFilm is a liquid leak detection system that combines unique liquid-sensing film which can be networked into broader building alarm systems. When liquid comes into contact with the LeakFilm, your controller will alarm within a few seconds, allowing you address the situation without delay.

LeakFilm sensors can detect water, conductive liquids, strong acids, and hydrocarbons. The sensor can easily be installed with the adhesive tape backing, and in the event a sensor needs to be replaced LeakFilm can be easily spliced using the available connectors allowing easy and cost efficient replacement of LeakFilm sensors.

Thanks to its flexible form and adhesive backing, our patented LeakFilm is easy to install in numerous applications — on floors, walls, pipes, equipment and other areas that could be susceptible to leaks of hazardous chemicals. Use LeakFilm to monitor for liquid leaks around:

- Wet benches
- Photolithography equipment
- Chemical storage rooms
- Gas cabinets
- Boilers
- Distribution boxes

And if your facility has a computer room or communications room, use LeakFilm to monitor for one of the biggest threats — water. Leaks can come from such sources as air conditioning systems, concealed piping and plumbing in adjacent rooms.



LeakFilm System Components



LeakFilm Sensor



LeakFilm Conductive
Water and conductive liquids leak detection film sensor



LeakFilm Conductive_D
Water and conductive liquids leak detection film sensor with leak location detection



LeakFilm Chemical
Strong acid liquids leak detection film sensor with leak location detection



LeakFilm Hydrocarbon
Hydrocarbon liquids leak detection film sensor

LeakFilm Controller



LeakFilm Mini
One channel mini conductive liquid leak detection controller with broken sensor detection



LeakFilm 5
Five channels conductive liquid leak detection controller with broken sensor detection



LeakFilm Pro
One channel conductive and chemical liquid leak detection controller with leak location detection



LeakFilm HC
One channel hydrocarbon liquid leak detection controller with broken sensor detection



LeakFilm MC
Master liquid leak detection controller

LeakFilm Connector



Start Connector
Connects controller and sensor



Jump Connector
Connect the sensor and sensor



Elbow Connector
Connect the sensor and sensor

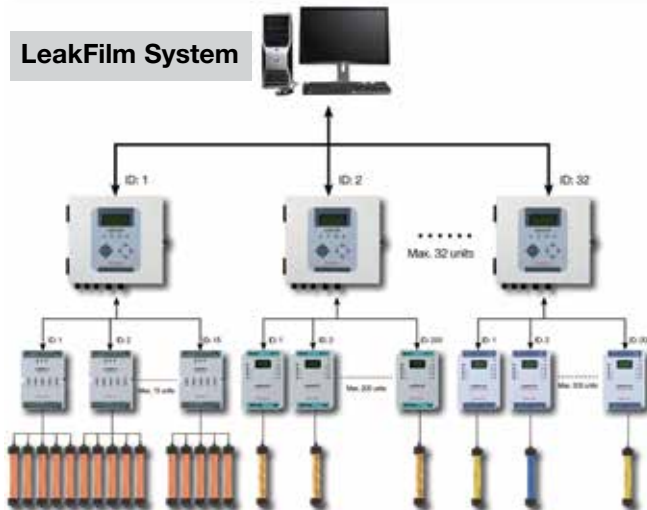


End Connector 4 Lines
End connector to LeakFilm Conductive_D, LeakFilm Chemical and LeakFilm Hydrocarbon film sensor



End Connector 2 Lines
End connector to LeakFilm Conductive film sensor

LeakFilm System



How LeakFilm Works

LeakFilm is a one-inch wide ribbon with tiny holes on top and a conductive solution inside. When liquid passes through the holes and touches the circuit film's wires, a change in the electrical resistivity will be detected by the LeakFilm controller's algorithm, and will signal a leak detection — so you can protect your assets and prevent downtime.





Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)330 088 0560

Fax: +44 (0)1245 808399

Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.