



ESPY® LEAK WELL ADAPTERS

Critical Component and Secondary Containment Leak Detection

Espy® leak well adapters provide instantaneous notification of leaks in your secondary containment systems – increasing operator safety and reducing potential process contamination.

Valve Boxes

Valve boxes are the control houses for your chemical distribution system. A problem here can have serious consequences if not detected immediately. Consequences include process contamination, unsafe conditions and loss of revenue due to downtime and lost production. To safeguard your system against such costly situations, Entegris offers an Espy® sensor and leak well adapter that instantaneously alerts you of a leak – saving you valuable time and resources.

Instantaneous leak notification

The compact capacitive sensor is made of Zintek™ material, which is corrosion resistant and will withstand temperatures up to 392°F (200°C). These properties, coupled with the fact that the sensors can be intrusive and non-intrusive, make Espy® sensors ideally suited for all applications involving hazardous materials. A simple PFA leak well adapter, installed in your valve box and secured to the sensor with a PFA retaining nut, seals the sensor from outside interference. Moisture, dust, light sources and other undesirable outside influences will not affect the sensor's function. Unlike float switches that allow too much fluid to accumulate before notification, the Espy® sensor notifies you of a leak at the first indication of fluid in the box.

Pumps

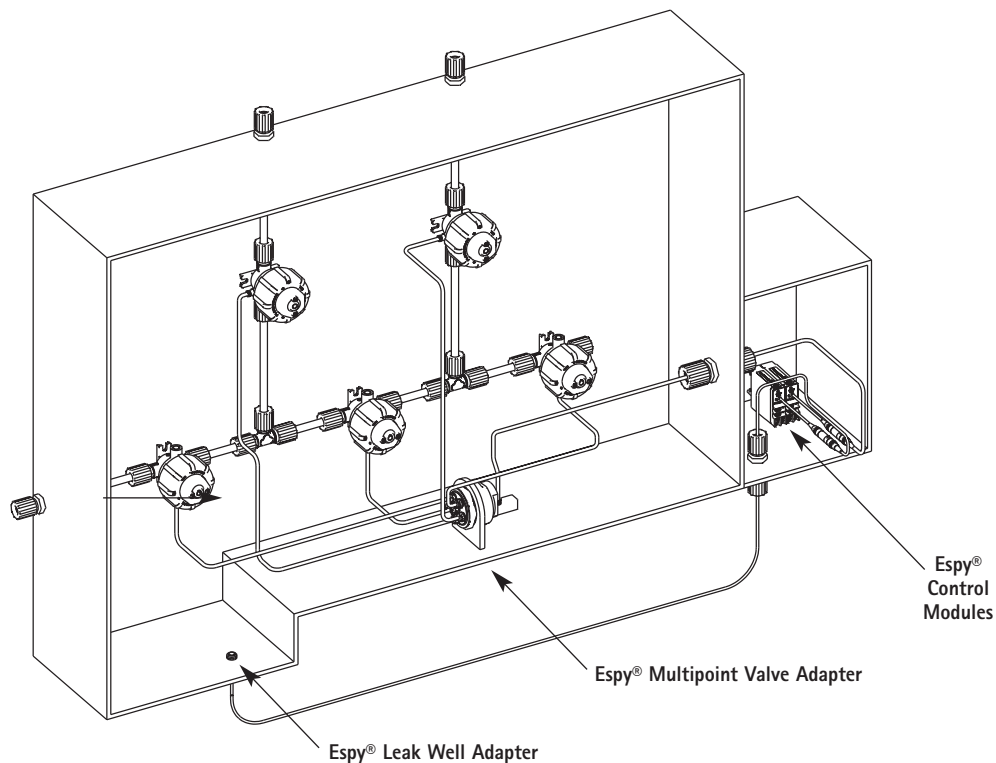
If the valve box is the control house for your chemical distribution system, then the pump is the workhorse. Pumps work overtime transferring media from storage vessels to points of use, and recirculating and dispensing chemical within your tools. Because of the continuous pumping, diaphragm failure is inevitable. Once the diaphragms fail, you are at risk of process contamination, equipment failure and pump degradation.

Immediate diaphragm failure alert

Entegris has designed a dual point Espy® sensor that promptly detects a leak at the pump's primary or secondary diaphragm. The "t-cable" design allows you to install one sensing probe into each leak well adapter that is installed at the pump's primary and secondary diaphragms. A single electronic module controls both probe tips. At the first indication of either diaphragm failure, the control module output is energized and the LED is illuminated, notifying you instantly.

Features and Benefits

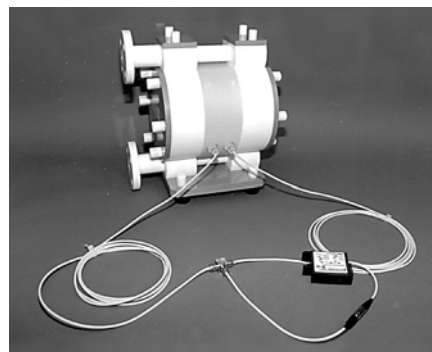
Feature	Benefit
All plastic, Zintek™ material	Corrosion resistant
Injection molded components	Reliable, repeatable performance at affordable price
Non-intrusive sensors, PFA-coated cable	High purity
Remote electronics	Protection from hazardous or corrosive environments
Shielded electronics	RF immunity
Small probe and adapters	Compact design
Three-component system (cable, electronics, adapter)	Eases repairability
Adjustable alarm output: NPN/PNP, NO/NC	Installation flexibility



The Espy® multipoint valve leak adapter monitors leaks in up to six valves at once using one control module.



The Espy® leak well adapter is ideal for detecting leaks in your secondary containment areas.



The Espy® dual point sensor enables you to detect leaks in a pump's primary or secondary diaphragm.

For More Information

Contact your local Entegris distributor or visit Entegris' Web site at www.entegris.com.

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NT INTERNATIONAL, An Entegris Company
5155 East River Road / Minneapolis, Minnesota 55421 USA
Customer Service Tel. 763-502-0200 or Toll Free 877-503-0200 / Customer Service Fax 763-502-0300
www.entegris.com / www.nt-intl.com

ENTEGRIS, INC.
Corporate Headquarters / 3500 Lyman Boulevard / Chaska, Minnesota 55318 USA
Tel. 952-556-3131 / Fax 952-556-1880
www.entegris.com

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