



Identify leakage with high intensity UV-light

UV, combined with a fluorescent tracer, can be used in a closed, fluid or gas based system to detect cracks and leaks in for example pipes, valves and filters. Fluorescent tracers are usually highly concentrated and in combination with high intensity UV-light, only minor quantities are required.

Water heating plants, district heating and refrigeration systems

Preparing primary heat or primary cooling mediums with a fluorescent agent makes it easy to detect even very small leakages as the leaking spot illuminates when exposed to high intensity UV-light. The method also enables the user to easily decide which part is responsible for the leakage, the supplier (primary side) or the customer (secondary side).

Density control of filter systems

When general filter leakage is detected in solid-fuel power plants, the Labino high intensity UV-light can be used to decide the exact location of the leakage. If the primary (contaminated) air is prepared with fluorescent pigments, the leakage will appear as a luminous beam on the secondary (filtered) side. Using this method enables the inspector to change or repair the specific leaking part of the complete filter.

What makes the Labino® UV Spotlight unbeatable?

- The long range and power of the UV Spotlight. No more need to climb ladders or darkening the inspection area.
- The portable, battery operated TrAc Pack models. Easy to carry around for on-site inspections. No need for mains power.
- The high UV intensity creates new possibilities, such as inspection in normally lit areas, or even

outdoors in daylight with maintained contrast-to-background and maximized probability of detection. Quality and safety is improved, time of inspection is reduced.

- Immediate start and restart – full power in approximately 5-15 seconds. Time saving.
- Low heat generation and energy consumption (35 W output power). No need for cooling fans. Creates a pleasant work environment and reduces energy costs.
- Dust tight and temporary water jetting proof. Can be used in rough conditions, even outdoors (IP65 classified).
- CE-marked – according to electromagnetic compatibility and the low voltage directive. Safe.
- ETL/cETL approved – by Edison Testing Laboratories, according to UL and CSA standards. Safe.
- Semko approved. Safe.
- Comprehensive product range, including different mains, voltages and portable battery operated units with a choice of handles. Flexible.

