NO WONDER



DON'T GUESS – no matter how seemingly inconsequential the leakage – **what lost energy might actually be costing you**

Our chart illustrates how the cost of a small continuous leak of various common fluids and gases can quickly add up over a year:

Fluid / Gas	Example Small Leak	Typical Annual Product Loss
Water (process/cooling)	1 L/hr	~$50
Demineralized Water	1 L/hr	~$500
Steam	1 kg/hr	~$1,000
Compressed Air	0.5 kg/hr	~$5,000
Instrument Air	0.5 kg/hr	~$5,000
Nitrogen	0.5 kg/hr	~$8,000
Helium, 5.0 Pure	0.5 kg/hr	~$320,000
Oxygen	0.5 kg/hr	~$12,000
Hydrogen	0.1 kg/hr	~$5,000
Carbon Dioxide	1 kg/hr	~$2,000
Natural Gas (Fuel Gas)	0.5 kg/hr	~$4,000
LNG	0.5 kg/hr	~$5,000
LPG (Propane/Butane)	0.2 kg/hr	~$4,000
Methanol	100 mL/hr	~$1,000
Ethanol	100 mL/hr	~$2,500
Diesel Fuel	100 mL/hr	~$1,500
Gasoline / Naphtha	100 mL/hr	~$1,500
Crude Oil	100 mL/hr	~$1,000
Hydraulic Oil	100 mL/hr	~$5,000
Lubricating Oil	100 mL/hr	~$4,000
Heat Transfer Fluid	100 mL/hr	~$20,000
Glycol (MEG/TEG)	100 mL/hr	~$4,000
Sulfuric Acid	100 mL/hr	~$5,000
Caustic Soda	100 mL/hr	~$4,000
Ammonia	0.1 kg/hr	~$2,000
Chlorine	0.05 kg/hr	~$2,000
Process Solvents	100 mL/hr	~$20,000
Specialty Chemicals / Catalysts	100 mL/hr	$100,000+

Estimates assume a continuous small leak, 8,760 operating hours per year

But lost revenue isn't the only concern.

What about worker/site safety, system reliability and performance, energy consumption, and overall productivity?

Start with a **Swagelok Energy-Loss Evaluation**

We'll help identify your most problematic areas – then delivering a comprehensive report that not only details your leakage locations... but provides proven and trusted repair/replace, easily actionable recommendations to optimize your Bottom Line health.



*Use of **Swagelok premium-quality, leak-tight Componentry** ensures your systems stay running, no matter how challenging your applications.*

Choose from our vast variety of Tube Fittings, Valves, Gauges, Hose, Tubing, and Instrumentation Assemblies.



Plus, our all-day

TUBE FITTING INSTALLATION & TUBE BENDING SAFETY ESSENTIALS CLASS,

available at your location or our leading-edge Training Center, shows your technicians how to properly construct a fluid system – through extensive hands-on practice.



DON'T LET LEAKAGE, OF ANY KIND OR VOLUME,
HURT YOUR OVERALL SYSTEM PRODUCTIVITY!

Put our team alongside yours



For more proven and trusted information on System Isolation and all renowned Swagelok productivity-boosting, top-quality, leak-tight Componentry, contact:



Mike Gagel,
Strategic Services Specialist

michael.gagel@swagelok.com



Tim Davis,
Application Engineer

tim.davis@swagelok.com

P: 412.761.3212 **W:** pittsburgh.swagelok.com

SwagelokPittsburgh @swagelokpittsburgh Swagelok-Pittsburgh-Tri-State-Area

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