



ADVANTAGES AND DISADVANTAGES OF GEM TRAPS



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ADVANTAGES AND DISADVANTAGES OF GEM TRAPS

As the GEM traps used in the GEM Condensate Return System cannot jam open and have no moving parts, they all come with a TEN YEAR PERFORMANCE GUARANTEE, and typically out last the systems they serve.

ADVANTAGES

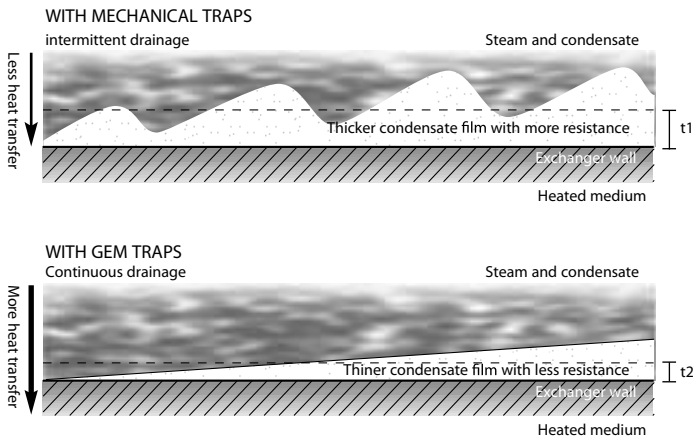
INCREASED PRODUCTION

- No moving parts = No trap failure = minimal downtime
- No back pressure from failed traps
- Less thermal shock = Increase plant durability

MORE CONTROL & HEAT OUTPUT

- No trap valves opening and closing, altering exchanger output independently of control valve
- Constant, rather than intermittent drainage also gives increased exchanger output from thinner condensate film ($t_1 > t_2$) and smaller condensate pipework

Cross-section of heat exchange surface



ENHANCED SAFETY AND REDUCTION IN WATERHAMMER

- No parts or valves to fail closed and cause water hammer, condensate back-up or explosions

ULTIMATE RELIABILITY

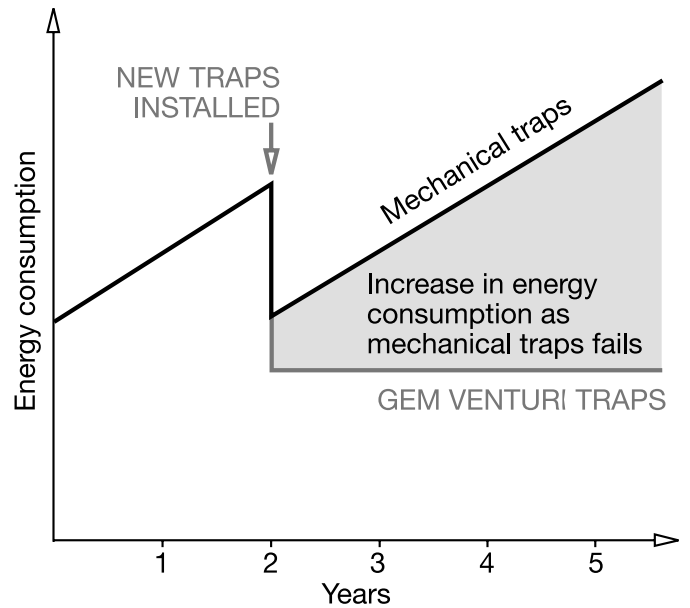
- No moving parts = No failure
- Cannot freeze, solid stainless steel
- No 'Wire draw'/wear of orifice – Hence guarantee

MINIMAL MAINTENANCE

- No spares required
- No kits to fit
- No endless trap surveys or test equipment and devices required
- Simple periodic cleaning of strainer and easy-to-clean bodies

PERMANENT ENERGY SAVINGS

- Users typically benefit from 10% to 30% permanent energy savings



SHORT PAYBACKS

- Typically under 18 months

SUPERIOR PRODUCT AND SERVICE

- Full range of traps available ex-stock
- Full traceability – Each trap has a serial No./Batch No.
- Compact size – Less heat loss and space requirements
- Flexible orientation
- Tailor made insulation bags – GEM Traps do not need to lose heat to operate
- Free exchange of trap bodies part of standard support, until optimum performance is achieved. We can even tune the performance of GEM Traps to your requirements

We are committed to giving our customers what they want, simple and reliable steam traps which do not cost the earth to use and maintain. We don't rely on profits from spare parts and replacements.

DISADVANTAGES

- No repeat business / spare parts for supplier to sell
- Requires actual not nominal loads for sizing