

SYSTEM

Mechanical and
Safety Solutions

**Engineered Solutions for Repair and
Optimization of HVAC Equipment Serving
Building or Process Applications**

**Dirty air condenser coils increase energy cost and reduce
HVAC equipment efficiency.**

**Engineered filter screens are a cost effective solution
for maintaining equipment efficiency and**



Features

- Commercial & Industrial Grade Mesh – vinyl coated polyester media
- Fine Mesh Grade – polypropylene media (*high efficiency*)
- Non-porous vinyl surface for easy cleaning (*cleans with a broom, brush, shop vacuum or garden hose – even rain will rinse filters*) – *Filters do not require removal for cleaning and water and cleaning chemicals are not required.*
- UV resistant
- Resists mold & mildew
- Flame resistant (*will not hold a flame*)
- Quick release fasteners
- Extremely strong – will not tear or run and will stand-up to heavy wind conditions
- Environmentally friendly
- Produced for any size intake opening.
- Filter Life - up to 15 yrs. (*Fine Mesh - up to 7 yrs*)
- **Earn LEED Credits** in multiple categories



Easy to clean using broom or vac.

**Call Ryan Brown to schedule a consultation
206-300-2737 www.systemseattle.com**

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Condenser Coil Efficiency Financial Impact Summary

DIRTY CONDENSER COILS			CLEAN CONDENSER COILS			
Nominal Tons Cooling	KWH / Season	Energy Cost	KWH / Season	Energy Cost	CLEAN COIL ENERGY SAVINGS Per Unit	SAVINGS PERCENTAGE Per Unit <small>% remains constant regardless of energy rate</small>
3	5,700	\$684	4,100	\$492	\$192	28%
5	8,100	\$972	5,500	\$661	\$311	32%
7.5	11,200	\$1,344	7,400	\$888	\$456	34%
10	16,800	\$2,016	12,300	\$1,476	\$540	27%
15	24,400	\$2,928	16,000	\$1,920	\$1,008	34%
20	32,400	\$3,888	20,800	\$2,496	\$1,392	36%
25	40,800	\$4,896	27,000	\$3,240	\$1,656	34%
30	48,900	\$5,868	30,000	\$3,600	\$2,268	37%
40	66,400	\$7,968	41,500	\$4,980	\$2,988	38%
50	82,300	\$9,876	52,100	\$6,252	\$3,624	37%
60 - 75	98,600	\$11,832	63,000	\$7,560	\$4,272	36%

Based on Aug. 2009 Avg. energy rates @ .12 cents / kwh - Actual costs and savings may vary from year to year and from region to region - Table illustrates relative impact of dirty condenser coils on energy consumption and cost. Savings percentage will remain constant regardless of the prevailing energy rate.

Cooling Tower Applications

- Minimizes clogging of fill material
- Reduces sludge build up in water basins
- Reduces water treatment chemical use
- Reduces maintenance expense

Condensers, Air Cooled Chillers and Dry Coolers

- Minimize coil clogging
- Maintains coil efficiency and lifespan
- Reduces energy consumption

Air Handlers, Louver and Penthouse Applications

- Prevents premature face loading of internal filters
- Increases lifespan of filters by up to 60%
- Protects louver actuators
- Improves indoor air quality

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