



TURBINE INLET AIR COOLING (TIAC) COILS

PRECISE THERMODYNAMIC ANALYTICAL SOFTWARE

- Heat and mass transfer duty calculated to within AHRI-410 limits
- Calculates lowest possible parasitic air pressure drop
- Guaranteed LAT precision to +0°C/-1°C
- Any working fluid

CUSTOMIZED PRECISION HEAT TRANSFER

- Corrosion resistant materials to match the operating environment
- Design solutions for either new build or retrofit
- Unique self-supporting coil casing design
- 304 stainless steel casing standard

INNOVATIVE OPTIONAL FEATURES

- Passive reheat to fix LAT @ <78% RH (NIL “wetting” of filter house elements)
- Integral stainless steel drainpan
- Integral mist eliminator
- Pre-filter module
- Inlet louvers



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CASE STUDY
Griffith Energy Facility
Griffith, AZ



OWNER	PPL GLOBAL/DENA	GAS TURBINE MODEL	GE PG7241FA
PLANT EPC	BLACK AND VEATCH	GAS TURBINE NOMINAL CAPACITY	170 MW
ON-LINE	2001	DESIGN INLET AIR TEMPERATURE	45° F
SYSTEM TYPE	SPC A - AMMONIA	GTIAC REFRIGERATION CAPACITY	9000 TR
GAS TURBINES	2	OVERALL PLANT ENHANCEMENT	55 MW
NOMINAL PLANT CAPACITY	520MW	AMBIENT AIR DESIGN	94° F DRY BULB 68° F WET BULB

CE(PED) Certification, UL508, ASME Sec. VIII, Canadian Registration Number, Canadian Standards Association



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"The Heat Transfer Experts"