

APPLICATION GUIDE:

Flex Turbine™ MT250

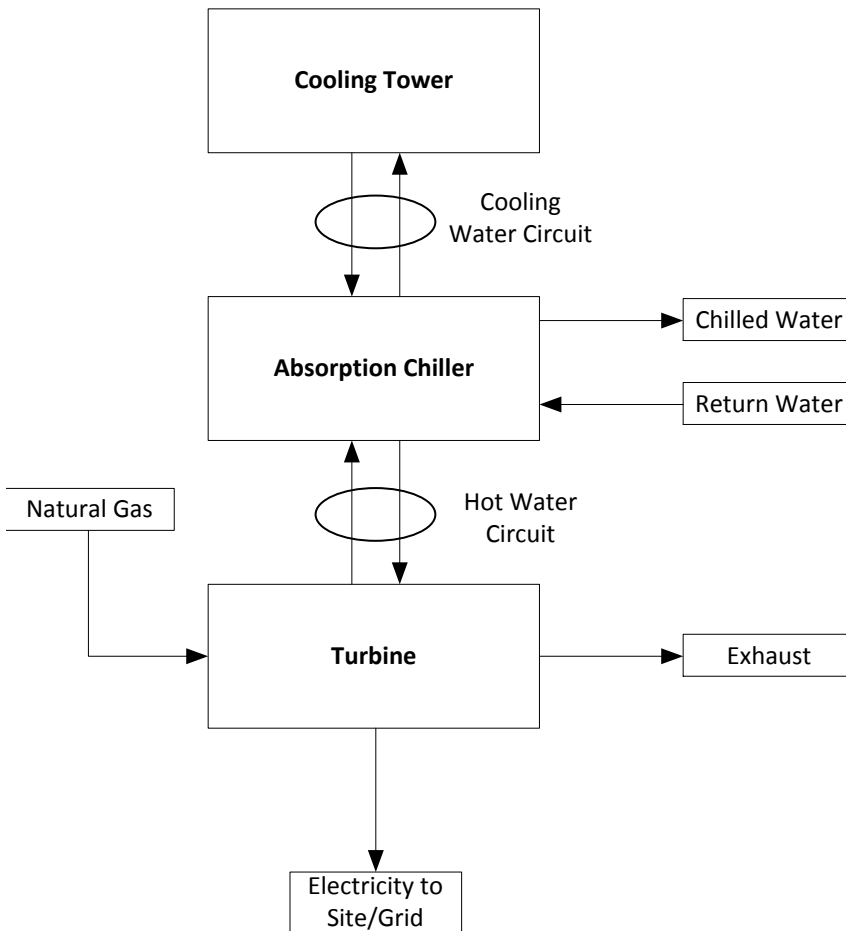
with Hot Water-Fired Absorption Chiller



INFO@HOLLAND-RET.COM

+31 646 765 543
HOLLAND-RET.COM

Typical Performance



Turbine Performance

Electrical Output:	250kW
Heat Rate (LHV):	11,770 BTU/kWh
Electrical Efficiency:	29% LHV
Total System Efficiency:	60% LHV

Chilled Water Circuit

Capacity:	60 RT
C.O.P.:	0.70
Water Flow:	140 GPM
Inlet/Outlet Temp:	54/44°F

Hot Water Circuit

Heat Input:	1030 MBH
Water Flow:	93 GPM
Inlet/Outlet Temp:	208/185°F

Cooling Water Circuit

Heat Rejected:	1750 MBH
Water Flow:	300 GPM
Inlet/Outlet Temp:	85/96°F

Description

The MT250 gas turbine is configured with an internal heat recovery unit to capture heat from the turbine exhaust to produce hot water. The hot water is then used in the regeneration portion of the absorption chiller to produce chilled water, which can be used for industrial cooling or HVAC systems.