

Absorption Chiller - Gas Fired

Last Issue Date: 02/03/2015		Type Of Service				
Activity		A	B	C	D	E
1	Check vacuum/purge	Y	Y	Y	Y	
2	Perform air purge	Y	Y	Y	Y	
3	Check operation of flow switches		Y	Y	Y	
4	Check operation of anti freeze protection		Y	Y	Y	
5	Check operation of burner control hi-limit		Y	Y	Y	
6	Check operation of burner nozzles		Y	Y	Y	
7	Check operation of refrigerant pump		Y	Y	Y	
8	Check and record working of all safety controls. Reset the safety device as required. Check all the set points on the control panel. Check and record TRG reading of the absorbent and refrigerant pump. Check and record the current drawn by absorbent, refrigerant and purge pump. Analyse the Lithium bromide solution and maintain the corrosion inhibitor level and alkalinity. Check pH to maintain the desired parameters of lithium bromide. Check for the presence of octyl alcohol and check and maintain the cooling and chilled water quality.			Y	Y	
9	Carry out external visual inspection and check for any damage. Check the diaphragms on the diaphragm valves. Check for any scaling/slime in the condenser tubes. Carry out tube cleaning. Check and record the insulation resistance. Overhaul the purge pump and clean the moisture trap on the purge line.				Y	
10	LONG TERM SHUTDOWN Ensure there is no circulation of cooling and chilled water through the chiller. If shutdown is for one week or more, perform either; (A)Air purging weekly to maintain the required vacuum. (B)If shutdown is required for a period exceeding 3 weeks charge nitrogen gas into the chiller up to a positive pressure of 0.2 kg/cm.sq. No air purging is required in this case.					Y
11	Recordall results in log book.	Y	Y	Y	Y	Y

Special Comments and Technical Data

A SERVICE WEEKLY, B SERVICE MONTHLY, C SERVICE 6 MONTHLY, D SERVICE ANNUALLY AND E SERVICE AS REQUIRED

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For more information please contact the applicable Facilities Management Service Provider.



Government of South Australia
Department of Planning,
Transport and Infrastructure

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