



With you at every step



Keep up with COVID-19 by taking the right measures for your Steam Engineering products

Bringing you knowledgeable insights and information that will keep your Steam Engineering products up and running during and post lockdown period. Kindly refer to the Start-up Protocols for the product that is applicable to you.

CUSTOMER SERVICE BULLETIN
DOCUMENT No : SE/Startup Protocol/Process automation Rev: 00
PRODUCT : PROCESS AUTOMATION
DIVISION : HEATING - STEAM ENGINEERING

P r e c h e c k u p	Checklist	Yes	No
	1. Open bypass of traps & drain all the condensate.		
	2. Check & Clean the Trap float if required. Check proper condition of DCV's.		
	3. Lubricate the bonnet thread of the isolation valves of steam & water line. Clean the strainers of Steam, condensate & water line.		
	4. Drain any water accumulated in the air filter regulator (AFR) & adjust the air pressure as per specify on CV actuator.		
	5. Check the functioning of control valves with respect to 0-100%.		
	6. Check the incoming supply voltage before switching ON the panel. It should be 240 +/- 3% Volts. Voltage between earth and neutral should be less than 3 Volts		

S t a r t u p	<ul style="list-style-type: none"> • Close all the bypass valves. • Open all the isolation valves inlet & outlet of steam & water side. • Switch On the control panel. • Enter the process set point as per requirement & select the auto mode. • Once the heating & Curing cycle complete start cooling water the pump. • Once the desired cooling temp. acived stop the cooling water pump.
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T r o u b l e s h o o t i n g	Problem	Solution
	Control valve not operating	No / low Pneumatic pressure.
		NO output from PID controller.
		Mechanical stuck-up.
	Condensate accumulation in process	No float movement in trap
		DCV after trap stuck
		Condensate line strainer chock
	Low process temperature	Set point in PLC/ controller changed. Check
		Temperature sensor/ sensor wire damaged.
		Low / No steam pressure.
High process temperature	Steam control valve not opening.	
	Set point in PLC/ controller changed.	
	Steam control valve not closing fully or passing.	

Do's and Don'ts
Do's
1. Drain AFR moisture daily once.
2. Isolate power supply & apply LOTO during off condition
3. Ensure all the check points are ticked to YES before starting the unit.
4. Close the bypass valve when system in operation
Don'ts
1. Don't switch on the electrical panel without checking incoming voltage & earthing.
2. Never operate the system beyond design parameters.
3. Never close the compressed air line valve during operation.





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Thermax Limited Steam Engineering Services recommends customer to get in touch with the local service engineer as per details given below :

1st Level

Region	Name of Service Engineer	Email id	Contact No
North (JK, PB, HR)	Puneet Panchal	Puneet.Panchal@Thermaxglobal.com	9717200940
North (UP, NCR, RJ)	Pradeep Kumar	Pradeep.Kumar@Thermaxglobal.com	9717032325
East	Pranay Mridha	Pranay.Mridha@Thermaxglobal.com	9830240010
West (MH, CG, GOA)	Saddam Gadiwan	Saddam.Gadiwan@Thermaxglobal.com	7709973966
West (GJ, MP)	Vipul Gohil	Vipul.Gohil@Thermaxglobal.com	9662064627
South (AP, KAR, TS)	Sandeep Jampala	Sandeep.J@Thermaxglobal.com	8008145681
South (TN, KL)	Noor Mohammed	Noor.Mohammed@Thermaxglobal.com	8098734264
MENA, SEA, SAARC	Tushar Nalawade	Tushar.Nalawade@Thermaxglobal.com	8422044464

2nd Level

Contact Person	Designation	Email Id	Contact No.
Sathiyababu V.	Head - Technical Service Group	Sathiyababu.v@Thermaxglobal.com	9486620370