With you at every step

THERMAX

Empowering Your Steam Engineering Products and Solutions with Excellence

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.

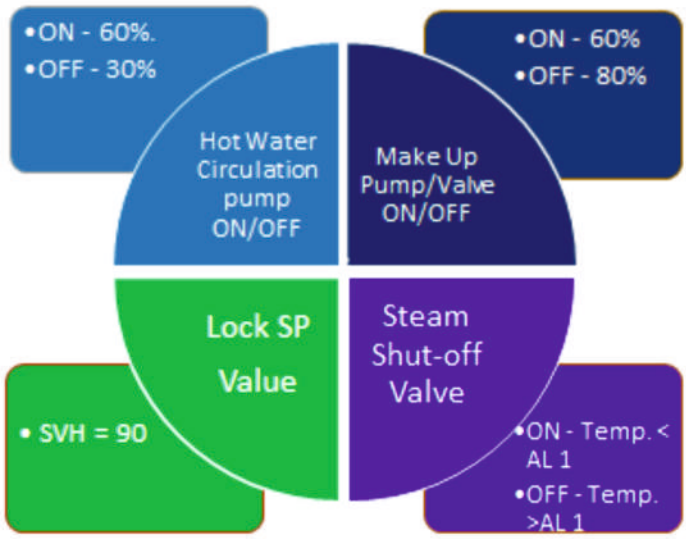
CUSTOMER SERVICE BULLETIN
DOCUMENT No : SE/Startup Protocol/Instheat Rev: 00
PRODUCT : INSTAHEAT
DIVISION : HEATING - STEAM ENGINEERING

Pre Check up

CHECK LIST	YES	NO
1. Flush water circulation pump inlet line for 5 minutes.		
2. Clean water circulation pump inlet strainer.		
3. Remove air from water circulation pump air vent point.		
4. Flush steam inlet line for 5 minutes.		
5. Clean steam inlet line strainer.		
6. Clean level sensor of pumping trap.		
7. Clean float trap internal assembly.		
8. Pneumatic air line should be flushed for 5 to 10 minutes at full pressure before opening the air to control valve and solenoied valve.		
9. Adjust the air pressure to 4.0 Kg/cm ^{2}.		
10. Do the megger for all the motor and check the continuity for solenoid coils.		
11. Check the incoming voltage.		
12. Check control valve operation in manual mode.		
13. Check on-off functioning of 3 way valve and steam shut-off valve.		

Start up

- Open all the water circulation pump inlet and outlet isolation valves.
- Remove air from Water circulation pump air vent point.
- Start water circulation pump and remove air from water line from air vent on water line.
- Set required hot water Temperature at controller.
- Checks all interlock are functioning properly.
- Start steam supply.
- Observe the system for the desired output conditions of hot water temperature.



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Trouble shooting

Symptoms	Possible Causes
Control valve not operating	No input supply to positioner.
	No/low air pressure.
	Mechanicaly stuck.
Outlet temperature Low	Inlet Steam pressure not as per design.
	High water flow rate.
	PHE heat transfer to water is low.
Pump head not maintaining	Pump strainer choked.
High water temp.	Controll valve Passing
	low Water Flow
Steam on/off control valve failed to operate.	instrument air Pressure low
	SOV Coil Fail
	Diaphragm of control valve is damaged.

DO'S
1. All Strainers Should be Cleaned .
2. Valves should be open fully.
3. Ensure all the points are ticked as "YES' in above Checklist.
4.Record the operational parameters on hourly basis.
DONT'S
1. Don't switch on the electrical panel without checking Incoming voltage and earth.
2. Don't Set hot water temperature more than 90°C.
3. Never operate the system beyond design parameters.
4.Never close the compressed air line valve during operation.

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 (NCR, RJ)	Devesh Maurya	Devesh.Maurya@thermaxglobal.com	8880464848
North (UP)	Sachin Srivastav	Sachin.Srivastav@thermaxglobal.com	9411953067
East	Pranay Mridha	Pranay.Mridha@Thermaxglobal.com	9830240010
West (MH, CG, GOA)	Anil Asangi	Anil.Asangi@thermaxglobal.com	8484856043
West (GJ, MP)	Vipul Gohil / Himanshu Vasava	Vipul.Gohil@Thermaxglobal.com / Himanshu.Vasava@thermaxglobal.com	9662064627 / 9033551798
South (AP, KAR, TS)	Sandeep Jampala	Sandeep.J@Thermaxglobal.com	8008145681
South (TN, KL)	Noor Mohammed	Noor.Mohammed@Thermaxglobal.com	8098734264
MENA, SEA, SAARC	B Santhanakrishnan	B.Santhanakrishnan@thermaxglobal.com	9607971978

2nd Level

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