



# 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.

<b>CUSTOMER SERVICE BULLETIN</b>
<b>DOCUMENT No : SE/Startup Protocol/PRS-CV Rev: 00</b>
<b>PRODUCT : PRS-CV - PRESSURE REDUCING STATION WITH CONTROL VALVE</b>
<b>DIVISION : HEATING - STEAM ENGINEERING</b>

P r e  C h e c k  u p	Checklist	Yes	No
	1. Remove the condensate from steam line available drain points and steam trap bypass.		
	2. Clean the strainer of PRS		
	3. Fill the condensate pot with RO water/ equivalent water (If PT is installed with pot).		
	4. Pneumatic air line should be flushed for 5 to 10 minutes at full pressure before opening the air to instruments		
	5. Adjust the AFR air pressure as mentioned on actuator.		
	6. Check the incoming voltage before starting the electrical panel.		
	7. Check the control valve operation in manual mode.		

S t a r t  u p	<ul style="list-style-type: none"> <li>• Open all the instruments isolation valves.</li> <li>• Open the main steam valve and steam trap bypass valve to drain the condensate.</li> <li>• Close the steam trap bypass valve once live steam is observed and open the trap upstream valve.</li> <li>• Close all the drain valves.</li> <li>• Close the PRS by-pass and isolation valves.</li> <li>• Keep SV to "zero" in PID controller and open PRS isolation valves gradually upto its maximum position.</li> <li>• Gradually Increase SV in PID controller and check safety valve operation.</li> <li>• Set the required pressure in PID controller as per process requirement and observed working of PRS.</li> </ul>
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T r o u b l e  S h o o t i n g	Symptoms	Problem Causes
	Control valve not operating	No air pressure
		No 4 -20mA output from PID controller.
		Calibration disturbed.
	Valve jerking during stroke	Packing nut over tight.
	Gland leakage	Packing nut loose.
	Control valve passing in close position	Calibration disturbed.
		Seat & Plug worn out
Foreign partical accumulated		





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Do's and Don'ts	
<b>Do's</b>	
1. Close the bypass valves when system in operation	
2. Drain the water present if any inside the AFR daily once.	
3. Always keep open the instrument isolation valve.	
4. Check safety valve set value once in a week.	
<b>Don'ts</b>	
1. Never close the compressed air line valve during operation.	
2. Never by-pass any safety valve.	
3. Dont change PID value or any parameters in controller.	

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

## 1<sup>st</sup> Level

Region	Name of Service Engineer	Email id	Contact No
North (JK, PB, HR)	Puneet Panchal	Puneet.Panchal@Thermaxglobal.com	9717200940
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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

## 2<sup>nd</sup> Level

Contact Person	Designation	Email Id	Contact No.
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