

Service One Pager

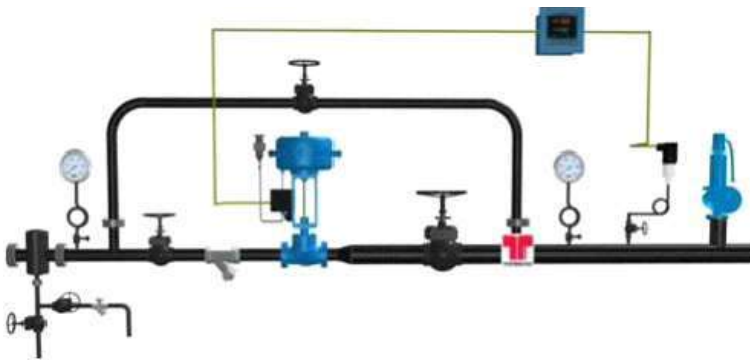


PRODUCT : PRS (CV) - Pressure Reducing Station with Control Valve

Document No : SE/SOP/PRS-CV Rev: 00

Product

Thermax Pressure Reducing Station (TPRS) is a prefabricated ready to assemble module comprises of control valves, isolation valves, pipes and fittings intended to reduce steam pressure to designed conditions.



Installation

Assemble the bypass line with inlet & outlet lines.

Assemble inlet & outlet isolation valves of control valve.

Assemble the control valve with eccentric reducer & expander at inlet and outlet respectively.

Install pressure gauge, safety valve, trap module and PT.

Complete cable connections from control panel to PT & control valve.

Critical Components

PRESSURE REDUCING STATION

Moisture separator with trap module

Isolation valve

PID based control valve

Safety valve

Strainer

Control panel

Pressure transmitter

System Requirement

- 1 Necessary IBR approvals should be obtained from local authorities.
- 2 Parts should be clean and flushed out with compressed air before installation.
- 3 Safety valve exhaust should be routed to safe location.
- 4 Provide instrument air pressure as specified on actuator and instrument air quality as per "ISO 8573-1:2001" norms
- 5 Use pair cable for instruments.

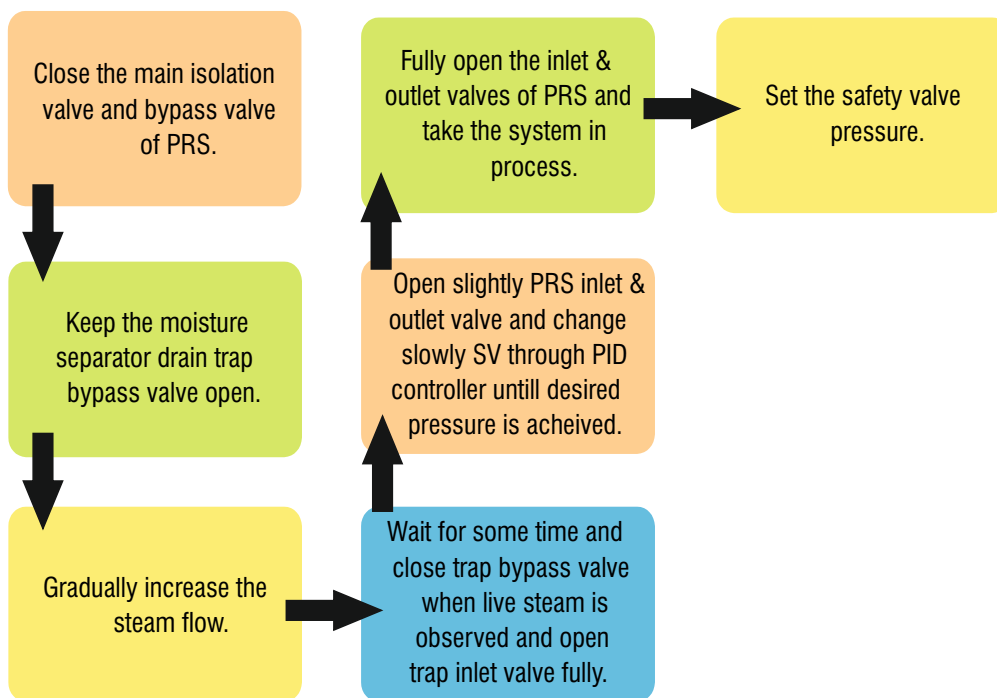
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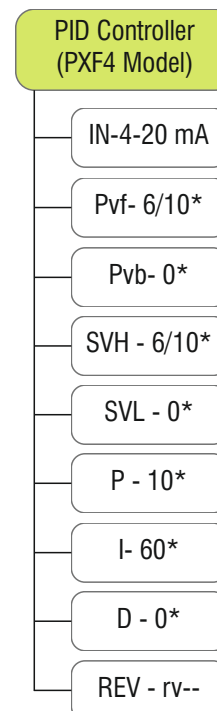
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Starting Sequence



Key Parameters



Put AT ON incase of fluctuations in outlet pressure.

* marked parameters to be changed at site as per requirement.

Troubleshooting

SYMPTOMS	POSSIBLE CAUSE
Control valve not opening	Low / 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 particle accumulated

Periodic Maintenance

