

## Service One Pager



**PRODUCT : PRS (DA) - Pressure Reducing Station with Direct Acting Valve**

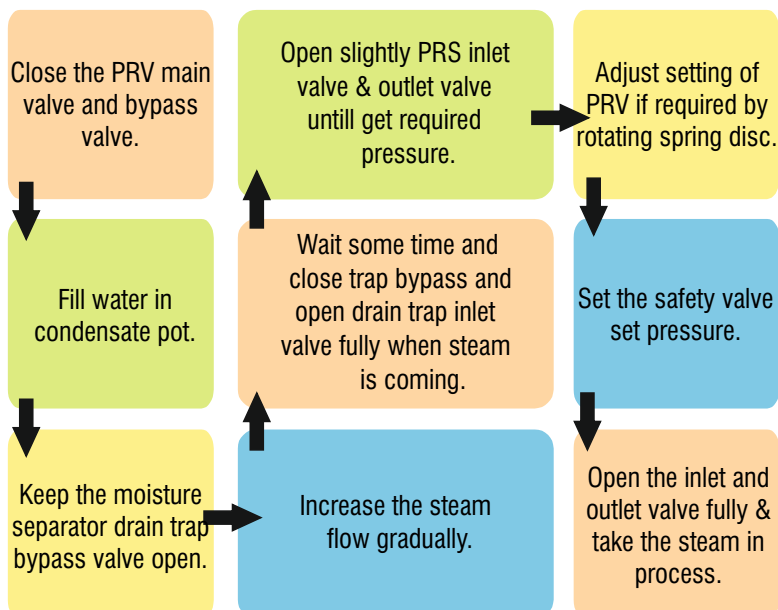
**Document No : SE/SOP/PRS-DA Rev: 00**

### Product

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



### Starting Sequence



### Critical Components

#### PRESSURE REDUCING STATION-DA

Moisture separator with trap module

Isolation valve

Pressure reducing valve

Safety valve

Strainer

### Installation

Assemble the bypass with inlet & outlet lines.

Assemble inlet & outlet isolation valves of PRV.

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

Connect the balancing line to the condensate pot & actuator.

Install pressure gauge, safety valve and trap module.

### System Requirement

- 1 Necessary IBR approvals should be obtained from local authorities.
- 2 Safety valve exhaust should be routed to safe location.
- 3 PRV actuator position should be always downwards.
- 4 Parts should be clean and flushed out with compressed air before installation.

## Service One Pager



**PRODUCT : PRS (DA) - Pressure Reducing Station with Direct Acting Valve**

**Document No : SE/SOP/PRS-DA Rev: 00**

### Troubleshooting

SYMPTOMS	POSSIBLE CAUSE
Pressure increase above set value	Balancing line choked
	Leakages in balancing line
	Diaphragm choked or damaged
Pressure decrease below set value	Process load high
	Balancing line choked
	Diaphragm choked or damaged
Safety valve pop-up frequently	By pass line open/passing
	No load in process
	Downstream control valve fluctuating

### Key Points to Refer

1	Flush the system with water before starting
2	Set the safety valve at 10% higher value than working pressure
3	Don't insulate the condensate pot
4	Fill condensate pot with RO equivalent water only

### Periodic Maintenance

