

Minimize plant risks

Following the valve manufacturer's maintenance recommendations ensures plant availability.

Maintenance recommendation for PX / PZ capping valves

Annual maintenance

VALVE			
Check point	Check	Finding	Action
Gland packing	Check for leakages	Leakage	Tightening / Replace packing
Body seal	Check for leakages	Leakage	Refurbishment of valve
Tilting device	Visual check	Damages	Adjustment / Refurbishment of valve
Brake away torque open / close	Measure	If out of range	Adjustment / Refurbishment of valve
Opening / closing time	Measure	If out of range	Adjustment / Refurbishment of valve
Ball and seat	Visual check	Scaling / Damages	Rotate ball and replace seat ring.
Ball and seat	Simplified tightness test	Excessive leakage	Rotate ball and replace seat ring.
Pressure sensor conduit	Check from blocking	Blocked	Cleaning
Optional water purge system	Check from blocking	Blocked	Cleaning

ACTUATOR			
Check point	Check	Finding	Action
Instrumentation	Air leakages and function	Leakage / malfunction	Repair / Replace
Cylinder / piston	Blow by	Leakage	Refurbishment
Cylinder	Check inside	Damaged / corrosion	Refurbishment
Housing	Check inside	Damaged / corrosion	Refurbishment
Mounting bolts	Check tightness	Loose	Tighten
Limit screw	Check adjustment	If out of range	Adjustment

IMPORTANT! Take adequate safety measures when working with the valve mounted on the top of digester.

Operational benefits:  Improved plant availability  Optimized performance  Ensured quality  Improved safety

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Maintenance recommendation for PX / PZ capping valves Factory refurbishment

VALVE	
Item	Action
Soft parts	Replace
Bearings	Replace / upgrade to latest design
Ball	Refurbish / replace and pairing to the seat
Seat ring	Grinding and paring to ball or replace
Body	Sand blasting
	Replace body bolting
	Machining of sealing surfaces
Body and tightness test	According to standards

ACTUATOR	
Item	Action
Soft parts	Replace
Cylinder / piston / piston rod	Replace if worn out
Linkage	Repair if worn out
Housing	Replace if worn out
Mounting bolts	Replace
Limit screws	Replace if damaged
Instrumentation	Repair / Replace

Valve components:



Operational benefits:



Improved plant availability



Optimized performance



Ensured quality



Improved safety