



Masoneilan* 48000 Series Valve

High Temperature, High Pressure Control Valve Solution

The 48000 series valves from GE Oil & Gas are a family of globe valve solutions designed exclusively for steam and gas service. With balanced and unbalanced trim options, including low dB configurations, the 48000 series valve uses a hung cage design. This architecture allows free expansion of the cage in severe thermal environments, and prevents erosion of the seat ring gasket surfaces that can result from unloading of seat ring gaskets during thermal cycles. The standard balanced plug configuration reduces seat leakage at high differential pressures. Only an extended bonnet configuration is available. Major applications include:

- Turbine Bypass Valve
- Boiler Auxiliary Steam Pressure Control Valve
- Turbine Gland Steam Control Valve (from Main Steam)
- Soot Blower Steam Pressure Control Valve
- Air Ejector Steam Pressure Control Valve

Key Features:

- Hung cage guide
- Double seal ring standard reduces seat leakage at high differential pressures
- Standard optional feature for noise reduction
- ASME Class 2500
- Flanged or welded connections
- Unbalanced option provides Class IV or V leakage

Benefits

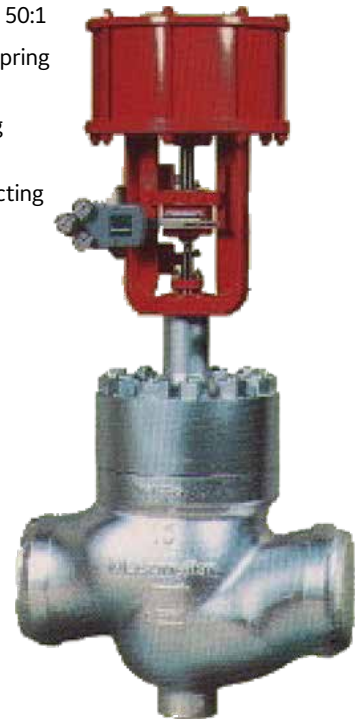
- High reliability in temperature and pressure conditions per ASME B14.6, Class 2500
- Easy to install
- Limits and controls process fluid leakage in steam and gas applications
- Pressure and temperature limits correspond to ASME B16-34 limits

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Specifications

Valve sizes:	2"– 6"
Pressure rating:	ASME 2500 Class
End connections:	RF, BW
Body and Bonnet:	RF, RTJ, BW
Material:	Chrome-Molybdenum Steel, ASTM A217 Gr WC6/WC9/C12A
Temp range :	up to 593°C
Trim:	
Plug type:	Balanced with metal seal ring and unbalanced <ul style="list-style-type: none"> • Linear • Equal Percent • Low dB
Capacity:	Full Area Cv 240
Cv Ratio:	<ul style="list-style-type: none"> • Standard cage, full capacity 100:1 • Standard cage, reduced capacity 50:1 • Lo-dB cage 50:1
Actuator Types:	87/88 Multispring diaphragm 52/53 Spring cylinder 51 Double acting cylinder



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