

Yarway™ Welbond Model 5600 High Pressure Globe Valve



YARWAY™ Reliable and Proven Steam Solutions

The Yarway Welbond valve has become an established stop valve for general line service in modern high pressure power plants. The latest design of the valve combines the proven features of its predecessor with advantages made possible by advancements in metallurgy and fluid flow research.



Maximum uptime

Reduced downtime and maintenance costs through superior inline serviceability.



Built for Extreme Durability

Robust one-piece construction for long-term operational reliability and uptime.



Lower Lifecycle Cost

Reduced total cost of ownership through dependable value engineering solution.



Simplified Maintenance

Designed to reduce maintenance effort and total cost of ownership.



EMERSON™

Yarway™ Welbond Model 5600 High Pressure Globe Valve

Technical Data

Size Range	NPS 1/2 to 3 / DN 15 to 80
Pressure Class	1700, 2700 and 4500 psi / 117, 186 and 310 bar
Temperature Range	Up to 1100°F / 593°C (design); 1022–1039°F / 550–559°C standard steam
Body Materials	ASME SA182 Gr. F22 · ASME SA182 Gr. F91 · ASME SA105 (Other options available on request)
End Connections	Socketweld (ASME B16.11) or Buttweld (ASME B16.25)
Seat / Disc	One-piece Stellite® 6 seat insert · Stellite® 21 investment-cast disc
Codes	ASME B16.34 Ltd. Class (1700/2700/4500) · ASME Boiler Code B31.1
Constructions Available	Manual, Electric, Pneumatic

What are your vent and drain valves failures costing you?

State-owned 2220 MW Thermal Power Plant reduces Maintenance and Manhours Costs with the Yarway Welbond 5600 High-Pressure Globe Valve



Advanced Inline Repair Tooling offers the following Value-Added Benefits

- Repair process eliminates the need for seat and disc lapping, reducing downtime.
- Precision seat-cutting tools restore seating surfaces to near-original condition.
- Maintenance can be performed without bonnet removal, simplifying service procedures.

Typical Vent/Drain Applications

- Waterwall
- Superheater
- Reheater
- Economizer
- Steam and Water Drum
- Gauge shutoff/drains
- Sampling
- Turbine

Options and Compliance

- API Ready
- Power Actuation
- Lacing Devices
- Chemical Processes
- Acid-Wash

Every aspect of the Welbond design — from its one-piece body to its Stellite® components and inline rework capability — contributes to lower lifecycle cost and higher system availability. For operators and maintenance teams managing severe service steam systems, Welbond provides a dependable, value engineered solution backed by Emerson's proven steam expertise.

For more information on how Welbond valves can improve reliability and reduce maintenance costs in your facility, connect with your Emerson representative or visit [Emerson.com](https://emerson.com).



Learn more about Emerson's steam solutions including:

- Steam Traps
- Blowoff Valves
- Blowdown Valves
- Pressure Regulators

Emerson

Americas

T +1 800 558 5853
T +1 972 548 3574

Europe

T +39 051 419 0611

Asia Pacific

T +65 6777 8211

Middle East / Africa

T +971 4811 8100

✉ webadmin.regulators@emerson.com

🔍 [Emerson.com](https://emerson.com)

📘 [Facebook.com/EmersonAutomationSolutions](https://facebook.com/EmersonAutomationSolutions)

🌐 [LinkedIn.com/showcase/Emerson-Final-Control](https://linkedin.com/showcase/Emerson-Final-Control)

✂ [X.com/emr_automation](https://x.com/emr_automation)