

A large industrial facility, likely a refinery or chemical plant, is shown at night. The scene is illuminated by numerous yellow and blue lights. In the foreground, there are several large, horizontal pipes and a metal railing. In the background, a tall, cylindrical storage tank is visible, surrounded by a complex network of pipes, walkways, and structural steel. The sky is dark with some clouds.

Yarway™ Blowoff and Blowdown Valves

Reliable and Proven Steam Solutions

Yarway Blowoff and Blowdown Valves: Proven reliability for safer operations and longer asset life.



Welbond High Pressure Globe Valve

Designed for ease of maintenance and extended service life, the Yarway welbond is suitable for general stop valve applications in power plants and other process industries. The one-piece body, with no body-bonnet joint and no pressure-retaining welds, eliminates cracking and potential leak paths. The internals can be removed through the yoke to expose the seat for fast and easy in-line repair. The solid stellite disc and seat ring eliminates thermal cracking and allows for multiple seat repairs, and the line contact seating design eliminates the need for lapping and ensures tight shutoff. The valve has generous port sizes and is designed to allow the disc-stem assembly to completely insert into the body, which results in higher capacity and smoother flow.

Fugitive emissions are the unintended escape of process fluids through valve stem seals, body joints, and other pathways to the atmosphere.
-allwayvalves



Seat leakage can result in product loss, energy waste from pressure loss, and compromise the positive isolation required for safe maintenance.
-newayvalve



Long-life, severe-service construction helps lower maintenance frequency and exposure to downtime.
-everlastingvalveusa



State-owned 2220 MW thermal power plant reduces maintenance costs and man-hours with the Yarway™ Welbond 5600 High-Pressure Globe Valve

Emerson Boiler Continuous and Intermittent Blowdown Valves

Blowdown Valve



Yarway™ Hy-Drop
5800 Series Throttling Valve

Blowoff Valves



Yarway
Hardseat 6900



Yarway
Seatless 3400, 3900



Yarway
Unit Tandem

Emerson offers durable continuous and intermittent blowdown valves that meet ASME Section I code requirements, for these applications and are designed to resist wear by minimizing the risk of erosion, dirt damage, plugging and leaks.



Safer blowdown operations for critical systems

Reduce Energy Loss and Operating Costs

Customer Pain: Excessive steam and heat loss during blowdown increases operating expenses.

Benefit: Optimized blowdown control helps operators recover efficiency, reduce energy waste, and lower utility costs.

Improve Boiler Reliability and Availability

Customer Pain: Frequent valve failures and unplanned maintenance disrupt production.

Benefit: Durable Yarway valve designs help maintenance teams extend service life, minimize downtime, and keep boilers running reliably.

Enhance Plant Safety

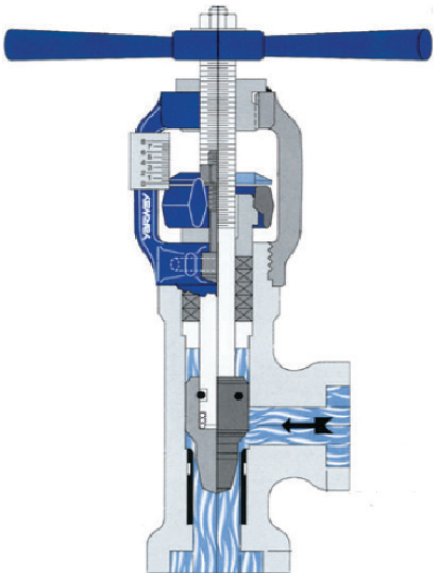
Customer Pain: High-pressure, high-temperature boiler environments create operational risks.

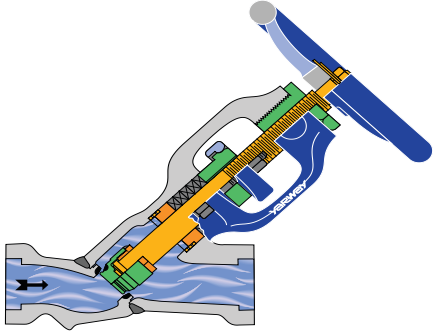
Benefit: Proven pressure and flow control enable plant personnel to perform blowdown safely while protecting critical equipment.

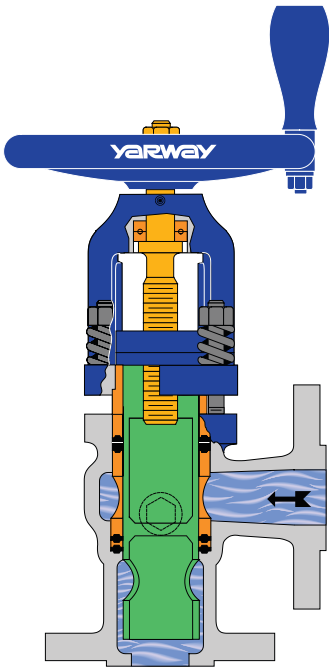
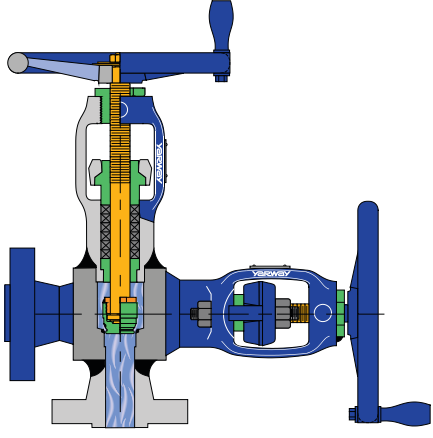
Simplify Maintenance and Protect Assets

Customer Pain: Boiler scaling and water quality issues can damage equipment and increase maintenance demands.

Benefit: Precise continuous and intermittent blowdown helps operators maintain water quality, reduce wear, and extend boiler asset life.

Continuous Blowdown Valve		
HyDrop - Model 5800 	Design Features In-line Serviceability Simplifies maintenance and reduces costs Single Piece Body Without threads and welds, eliminating leak points Solid Stellite® Disc High resistance against cavitation damage Solid Stellite® Seat Elongated Seat protects body against cavitation Flow Configurations 10 different orifices available, easy replacement for varying flow conditions	Material Configurations Available ASTM A105, ASTM F22, ASTM F91, ASTM F92 Sizes Available 1, 1-1/2 in. Pressure Ratings 1700, 2700 psi End Connections SW, BW, Flanged Configurations Manual, Electric, Pneumatic

Intermittent Blowdown Valves		
Hardseat - Model 6900 	Design Features In-line Serviceability Simplifies maintenance and reduces costs Single Piece Body Without threads and welds, eliminating leak points Blow-lip Disc Reduces impact of erosive forces Heavy Stem Guiding Eliminates misalignment during valve opening and closing Valve Full Open Opening will have > 25% of ID below pipe center line	Material Configurations Available ASTM A216 Gr. WcB Sizes Available 1-1/2, 2, 2-1/2 in. Pressure Ratings 1700, 2700 psi End Connections SW, BW, Flanged Design Manual, Electric, Pneumatic Pressure Ratings 1700, 2700 psi

Intermittent Blowdown Valves		
Seatless - Model 3400/ 3900 	Design Features Single Piece Body Without threads and welds, eliminating leak points Seatless No Valve seat arrangement, eliminating leaking and choking Plunger Unique construction provides very strong corrosion, high temperature, shock and erosion resistance Compression Spring Helps providing continuous pressure on packing rings, live loading	Material Configurations Available ASTM A216 Gr. WcB, Cast Iron Sizes Available 1, 1-1/2, 2, 2-1/2 in. Pressure Ratings 250, 300, 600 psi End Connections Flanged Design Angle and Straightway Configuration Manual
Unit Tandem 	Design Features In-line Serviceability Simplifies maintenance and reduces costs Single Body One-piece steel block which serves as a common body for blowing and sealing valves Reduced Thermal Shock Heat dissipation across both valves reduces impact of thermal shock Wide Configurations Available in left hand and right hand design Tandem Design Eliminates interconnecting welds, or bolts and gaskets where flanged valves are required and makes the unit tandem a compact design	Material Configurations Available ASTM A216 Gr. WcB Sizes Available 1-1/2, 2, 2-1/2 in. Pressure Ratings 1700, 2700 psi End Connections SW, BW, Flanged Design Manual, Electric, Pneumatic Pressure Ratings 1700, 2700 psi

Optimize every point for improved productivity, quality, energy efficiency, and safety.



YARWAY™ Trusted steam solutions for safe, efficient plant performance.

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