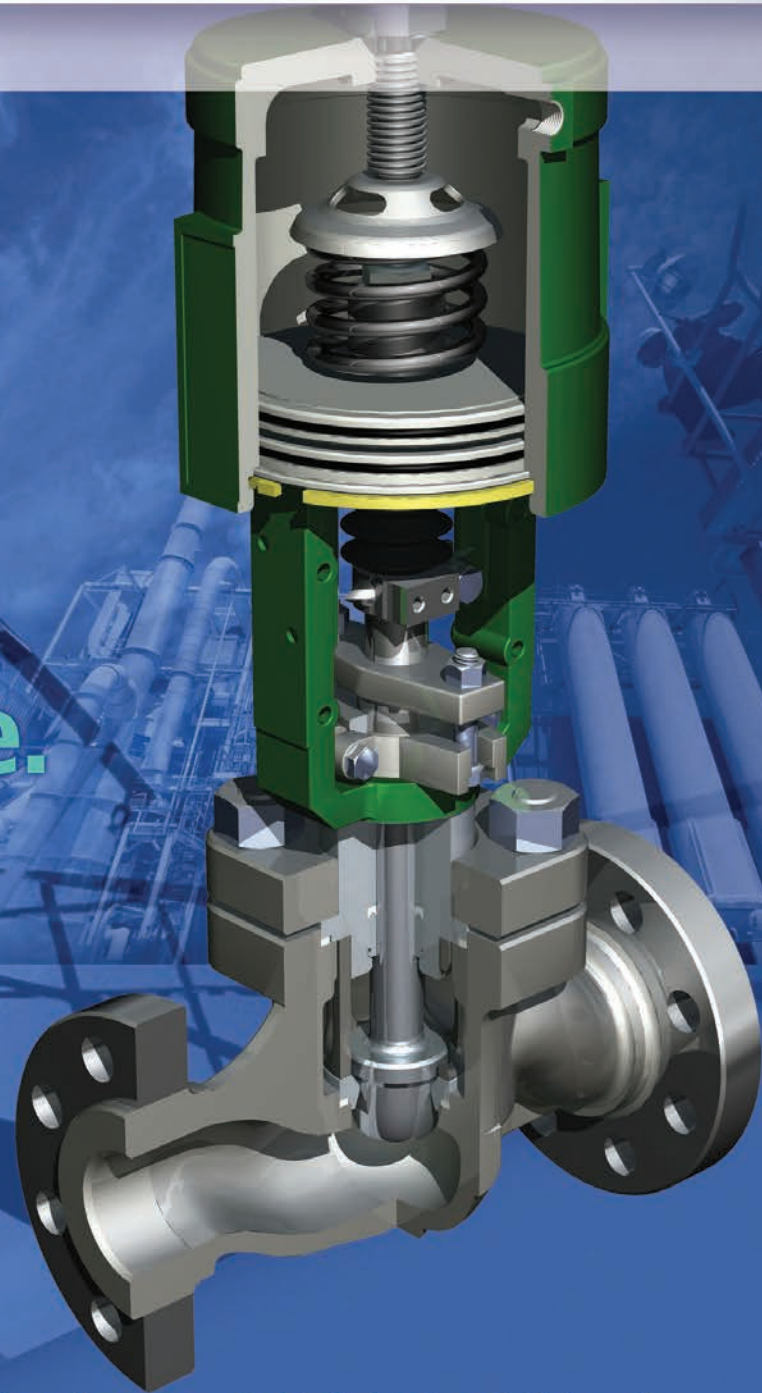


Process control
solutions
to optimize
plant
performance.



- ▶ Trimteck® supplies an array of global industries with high-quality, cost effective flow control solutions for critical processes.
Welcome to the ultimate element of control.

www.trimteck.com

Process Control Products

OpGL™ Globe Control Valve

Reliable. Rugged. Economical.



Optimux® OpGL™ globe control valves offer superior performance while allowing for quick, easy, and cost-effective maintenance. Unlike diaphragm-actuated control valves, the piston-cylinder actuated OpGL provides exceptional stiffness and maintains high positioning accuracy and resolution – making for the world’s most efficient and responsive valve.

Diameter	Body Style	Connections	Materials	Internals
1/2" – 48" ANSI Class 150-600	Globe, Angle, Three Way, Y-Body, Bar Stock, Steam Jacketed, Vacuum Jacketed	Integral RF Flanges, Butt Weld, Socket Weld, Grayloc, NPT, and others	Carbon Steel, Stainless Steel, Chrome-Molly, Alloy 20, Hastelloy B & C, Titanium, and others	Flow Characteristics: Equal Percent, Linear, Quick Open Seats: Metal Class IV, V Soft Class VI

OpEXL™ Eccentric Plug Valve

High performance for a wide range of applications.

The Optimux® OpEXL™ is characterized by its innovative eccentric plug, and its not-through shaft allows uninterrupted fluid flow delivering higher CV than the competition. Regular maintenance cycles typically surpass five years for most applications, and it is available with a range of actuation options.



Diameter	Type	Nominal Pressures	Plug Materials	Seat Materials	Actuators
1" – 8"	Eccentric Plug Valve	ANSI Class 150-600 Flanged and Flangeless	316 SS with CVD-5B or Stellite #6	316 SS with CVD-5B or Stellite #6	OpTK-R Rotary Piston Cylinder Actuator, OpRPA Rack & Pinion Actuator, and others

OpVEE™ V-Notch Control Valve

Rugged enough for hard-to-handle and particle-entrained processes

The OpVEE™ Control Valve is the highest performance V-Notch Ball Valve on the market today. Its advanced design features have taken into account the requirements and recommendations of process control engineers and plant personnel from across varying industries: Pulp & Paper, Chemical, Oil & Gas, Power Generation, and others. Its signature v-notch ball with an equal percent flow characterization delivers an astounding 300 to 1 turndown.

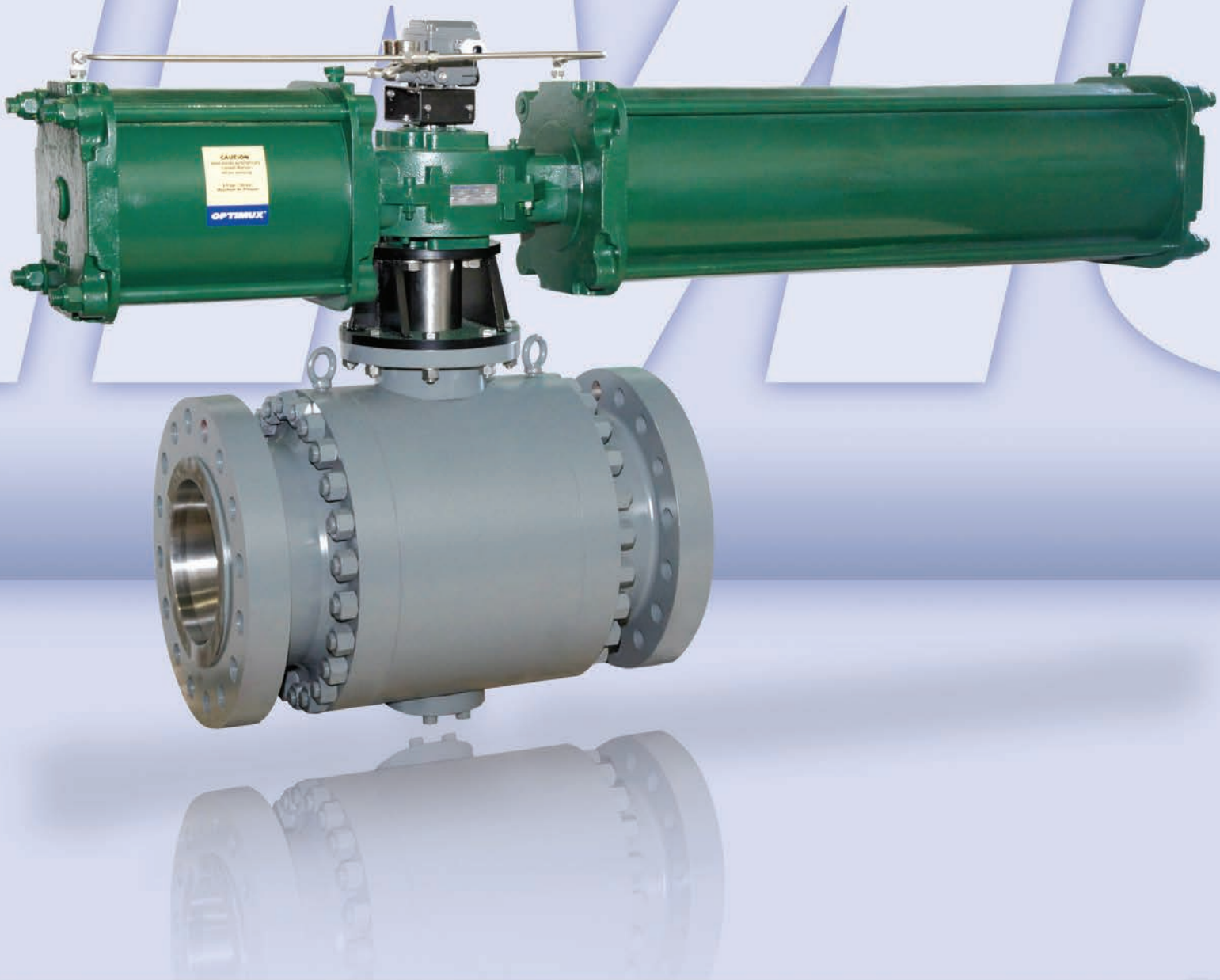


Diameter	Type	Nominal Pressures	Materials	Actuators
1" – 36"	V-Notch Ball Valve	ANSI Class 150-600 Flanged and Flangeless	Carbon Steel, Stainless Steel, Chrome-Molly, Alloy 20, Hastelloy B & C, Titanium, and others	OpTK-R Rotary Piston Cylinder Actuator, OpRPA Rack & Pinion Actuator, and others

OpTB™ Trunnion Ball Valve

Legendary robustness and reliability with added flexibility

With its modified characterized ball, the Optimux® OpTB™ delivers excellent rangeability and control for pressure classes from ANSI 150 to ANSI 2500 while maintaining critical features such as fire-safe and metal-to-metal tight shutoff. Designed with flexibility in mind, the full bore ball is totally interchangeable with our Process Optimizer Ball (POBTM) for severe and noisy applications – particularly in natural gas service.



Diameter	Type	Nominal Pressures	Ball Materials	Seat Ring	Actuators
2" – 24"	Modified Trunnion Mounted Ball Valve	ANSI Class 150-2500	ASTM A105/ENP-CVD-5B; ASTM A182-F316/ENP-CVD-5B	Metal: ASTM A105/ENP-CVD-5B; ASTM A182-F316/ENP-CVD-5B; Soft: PTFE, Kel-F, etc.	RPA Rack and Pinion, Scotch Yoke, etc.

OpDX™ Butterfly Control Valve

Pressure-assisted seating achieves bi-directional shut-off and low breakout torque

The OpDX™ High Performance Butterfly Control Valve has an double-offset eccentric cammed disc that ensures accurate throttling capabilities. Its wafer or lugged body serves ANSI Classes 150-600, and is a great alternative for controlling when a greater flow capacity is required.



Diameter	Type	Nominal Pressures	Materials	Seats	Actuators
2"– 24"	Wafer or Lug Butterfly Valve	ANSI Class 150-600	Carbon Steel, Stainless Steel, Chrome-Molly, Alloy 20, Monel, Hastelloy B & C, Titanium, and others	Soft, Metal, and Dual	OpRPA Rack & Pinion, and others

OpTE™ Triple Eccentric Butterfly Valve

High torque and triple offset design ensures zero leakage

The Optimux® OpTE™ Triple Offset Butterfly Valve design provides bubble-tight shutoff for critical applications in a wide variety of industrial processes, such as: petroleum refining, cryogenic industrial gas production, steam applications, pulp slurries, and many others. Our unique design also ensures low emissions and is fully compliant with the most stringent international environmental regulations.



Visit www.trimteck.com for complete product offerings, specifications, and to download free Brochures, or contact your nearest Trimteck representative.

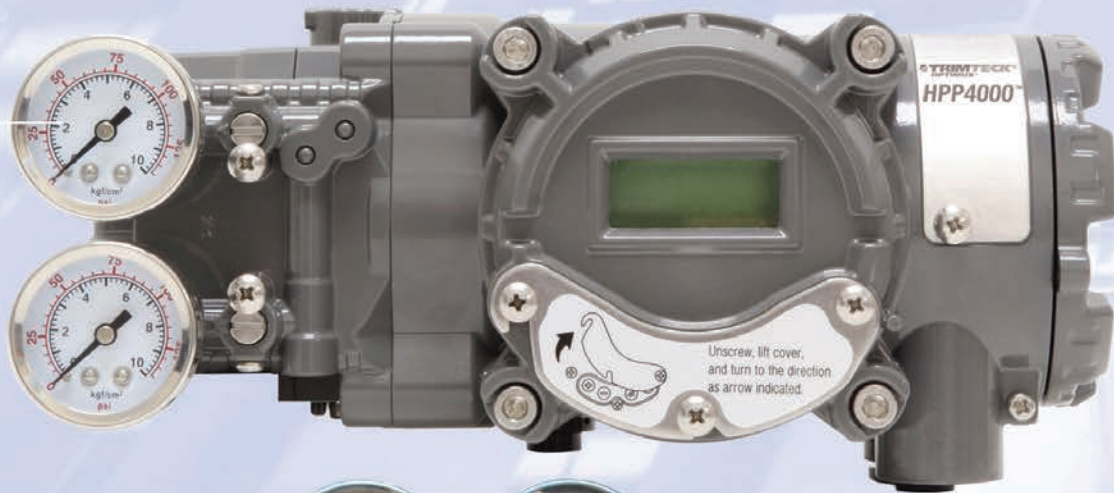
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Diameter	Type	Nominal Press.	Disc Materials	Seats	Actuators
2"–64"	Flanged, Wafer or Lug Butterfly Valve Short & Long Patterns	ANSI Class 150, 300 & 600	A216 WCB Nickel Plated; A351 Gr. CF8M/CVD-5B	Duplex + Graphite, and others	Various

The new standard when smart positioners are required with Optimux® valves

Our new HPP4000 brings to the market all the field proven attributes of our former HPP3000 plus all the additional features our users have requested for the past few years: LCD Display, 4-20mA feedback signal, HART® communication protocol and Auxiliary Limit Switches, all of these within our legendary and well proven robust enclosure capable of sustaining the most rigorous industrial plant conditions.

The Optimux® HPP4500 microprocessor-equipped, current-to-pneumatic digital positioner is a reliable, accurate and robust positioner with an array of exceptional features. The HPP4500 offers as a standard, Hart® communication, 4-20mA Feedback Signal and a LCD display that allows programming and set up without the need of a Hart® communicator.

**HPP4000™****HPP4500™**

Let Trimteck solve your severe service applications

Trimteck® offers its customers timely, cost effective products to enhance performance while driving down operating and maintenance costs. With many years of experience in the design and manufacture of control valves for arduous applications, Trimteck has an extensive knowledge for meeting today's challenges.

Our rationale is simple: invest in a custom engineered product and enjoy extended performance combined with a dramatic reduction in operation, maintenance and lost production costs caused by failures and untimely shutdowns.

Problem valves are generally those which suffer from extreme service conditions including the effects of erosion, cavitation, flashing, vibration, noise and corrosion.

Multi-phase fluids, some which may contain contaminants, contribute further considerations with regard to velocities to offset potential fluid impingement and particle erosion. To overcome these challenges, Trimteck considers three definitive aspects:

- Solve problems utilizing multi-stage trim technology.
- Utilize application guidelines defining design criteria.
- Ensure correct application of materials.



*ST-2 Concentric Cylinders
technology for noise reduction
and prevention of cavitation*

Parts | **Original Replacement Components**

The combination of superior quality and workmanship delivers a second-to-none, competitively-priced line of replacement parts

One of our core commitments to Optimux control valve users around the world is to provide the lowest cost-of-ownership in the valve industry. A commitment that we can achieve by providing competitive prices for our original Optimux valves, as well as their replacement parts.

If you are in need of trims, soft parts, retainers, actuator replacement kits, etc., give us, or any of our Authorized Distributors worldwide, a call. We can assure you that your plant's control valve replacement part budget will be significantly reduced while maintaining OEM quality in all your purchases.



A commitment to delivering consistent value to our customers

About

Trimteck® is a family-owned American company with over thirty years of experience in engineering, manufacturing, and marketing process control solutions and equipment for a variety of industries. Our application engineers and certified representatives are committed to personalized customer service and have an extensive line of products and technologies to draw upon when designing and specifying a solution.

With a comprehensive line of Optimux control valves – and an array of actuators, positioners, severe service trims, and other accessories – our engineers and representatives can solve the most complex flow control problems quickly and economically. Moreover, our organizational focus on implementing highly efficient sourcing, engineering, manufacturing, assembly, and distribution processes enables us to guarantee world-class quality, competitive pricing, and rapid delivery to anywhere in the world.



Global Distribution

Trimteck® counts on well-managed, competent, and diversified channels - including in-country Authorized Distributors, OEMs, Systems Integrators, and Certified Service Centers - to assure value to our end-users worldwide.

Please visit trimteck.com to locate an Authorized Trimteck Distributor in your area.



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