FERGUSON INDUSTRIAL

ENGINEERED SOLUTIONS FOR PROCESS CONTROL

Ferguson Industrial trusts Trimteck® Optimux® for the most intense applications. Trimteck's résumé includes years of experience, service, rigorous testing and inspections that have resulted in superior performance and reliability across all major industrial applications.

OPGL GLOBE STYLE CONTROL VALVES

SAME DAY SHIP

Trimteck's manufacturing facility in Coral Springs, Florida, now has a dedicated production cell to configure, assemble, test and ship global control valves within hours of receiving a purchase order.

- Sudden failure of an existing control valve causing expensive, unplanned downtime?
- Have a valve that's been deemed unrepairable during a planned outage?

Place an order for qualifying General Service OpGL before 10:00 a.m. Eastern time, and we will ship on the same day!

Same Day Shipping Available on Qualifying General Service OpGL Configurations.

TRIMTECK'S SAME DAY SHIP PROGRAM

Qualifying General Service OpGL Configurations:

- Sizes: 1/2" to 4"
- Pressure Classes: CL150 to CL600
- End Connections: ISA/ANSI RFF
- Body Material: WCB Carbon Steel or CF8M Stainless Steel
- Trim Material: 316 SS
- Trim Size: All Standard C_V
- Flow Characteristic: Linear, Equal Percent, Quick Open
- Actuator: OpTK Pneumatic Piston Cylinder
- Positioner: HPP Series Digital and/or Pneumatic

TRIMTECK® OPTIMUX®

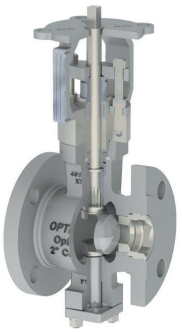
TALK WITH A VALVE EXPERT AND LET US HELP YOU WITH TRIMTECK OPTIMUX VALVES TO MEET YOUR REQUIREMENTS

1-844-ACTUATE | actuate@ferguson.com

FERGUSONINDUSTRIAL.COM

TRIMTECK OPVEE SEGMENTED BALL VALVE

1" – 8" Stainless Steel,
ANSI #150 Metal Seat



TRIMTECK OPEXL ECCENTRIC PLUG/ ROTARY GLOBE

1" – 8" Stainless steel, ANSI #150,
Metal Seat with CVD-5B

OPTIMUX® METAL HARDENING

Trimteck is at the forefront of applying innovations in material science to extend the life of its process control equipment. First used in the aerospace industry to harden rocket nozzles on the space shuttle, CVD-5B is a chemical vapor diffusion process using boron wherein a hard wear-resistant metal mesh is fused into the surface of a wide variety of ferrous and non-ferrous metals.

Unlike coatings, during the CVD-5B process, superheated boron atoms are diffused deep into a host surface to form a metal boride layer that permeates evenly up to .015". Trimteck has harnessed and perfected this advanced technology to, in many cases, effectively extend the life of our valves more than tenfold.

- Economical alternative to tungsten carbide
- Corrosion resistant
- Lends extended life to serve service trims
- Resists temperatures of up to 1200* F
- Reduces coefficient of friction
- Not a ceramic, will not crack under duress

Magnified view of .015" CVD-5B compound layers on 1045 steel. Note the hardened layer distributes itself evenly along concave and convex surfaces.

TRIM MATERIAL CHARACTERISTICS

Trim Material	Hardness Rockwell C	Impact Strength	Corrosion Resistance	Max Temperature		Erosion Resistance	Abrasion Resistance
				°F	°C		
316 Stainless steel	8	Excellent	Excellent	600	315	Fair	Fair
n° 6 Stellite	44	Excellent	Excellent	1500	815	Good	Good
416 Stainless steel	40	Good	Fair	800	426	Good	Good
17 - 4 PH H 900	44	Good	Good to Excellent	800	426	Good	Good
440 C Stainless steel	55-60	Fair	Fair	800	426	Excellent	Excellent
K Monel	32	Good	Good to Excellent	600	315	Fair to Good	Good
Tungsten Carbide	72	Fair	Good on bases Poor on acids	1200	648	Excellent	Excellent
CVD-5B	72	Excellent	Good	1200	648	Excellent	Excellent

In addition to VD-5B, Trimteck provides other common metal hardening processes:
Tungsten Carbide, Nickel, Titanium, Stellite, Hard Chrome, Zirconium