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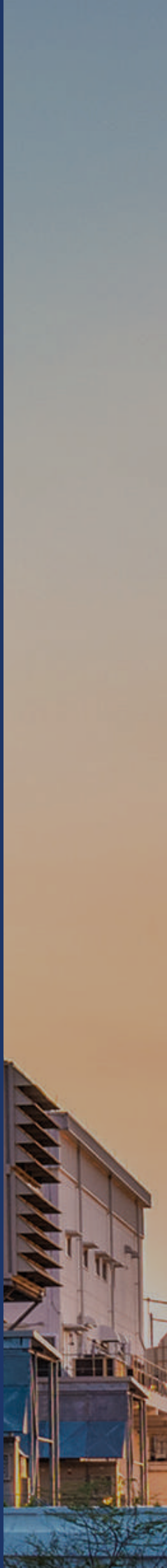
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**INDUSTRY
APPLICATION**



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PALM OIL, FATTY ACIDS & OLEOCHEMICALS

Industry Application

Palm Oil & Oleochemical Processing

Valves Built for Heat, Chemicals, and Continuous Duty

The palm oil refining and oleochemical process involves extreme temperatures, abrasive media, and continuous operation. From crude oil transfer to Refining, Bleaching, deodorisation and Fractionation. Every stage requires valves that deliver leak-tight sealing in pressure and vacuum conditions, corrosion resistance, and reliable cycle life. Valvewerkz solutions are engineered to reduce downtime, support safe chemical handling, and extend equipment life in 24/7 production environments.



Key Applications



Crude Palm Oil, Fatty Acids, Oleochemicals & Refined Oil Transfer

Reliable shutoff and smooth flow control for continuous oil handling.

- Ball Valves (10, 20, 50, 90, 80, 203 Series)
- Globe Valves (GL25, GL26 Series)
- Check Valves (DC, SC, DP Series)



Degumming, Neutralisation & Bleaching

Corrosion-resistant valves designed to handle chemicals and high-temperature media.

- Ball Valves (50, 90, 80, 203 Series)
- Butterfly Valves (BU25, BU26 Series)
- Globe Valves (GL25, GL26 Series)



Deodorisation & Fractionation Units

Leak-tight sealing and efficient condensate removal for steam and process lines.

- Ball Valves (50, 90, 80, 203 Series)
- Butterfly Valves (BU25, BU26 Series)
- Globe Valves (GL25, GL26 Series)
- Steam Traps (ST60, ST61, ST62 Series)
- Safety Valves



Cooling Water & Utility Lines

Durable valves that ensure stable operation in supporting utility systems.

- Butterfly Valves (BU25, BU26)
- Ball Valves (50, 90, 80, 203 Series)
- Strainers for pump and equipment protection

Product Capability for Key Functions

From crude oil transfer to final fractionation, Valvewerkz products are matched to each stage of palm oil refining. Our valves ensure reliable shutoff, safe chemical handling, and efficient flow control across every critical process.

Product Key Applications	Ball Valves					
	 10 Series	 20 Series	 50 Series	 90 Series	 80 Series	 203 Series
Crude Palm Oil & Refined Oil Transfer	✓	✓	✓	✓	✓	✓
Degumming			✓	✓	✓	✓
Neutralisation			✓	✓	✓	✓
Bleaching			✓	✓	✓	✓
Deodorisation			✓	✓	✓	✓
Fractionation Units			✓	✓	✓	✓
Cooling Water			✓	✓	✓	✓
Utility Lines			✓	✓	✓	✓

Why Valvewerkz for Palm Oil and Oleochemical Processing

- ✓ Extended service life with replaceable seats and repair kits
- ✓ Reduced downtime through reliable, leak-tight sealing
- ✓ Compliance with international safety and quality standards
- ✓ Local support and spare parts across Southeast Asia

Bellow Seal Globe Valves		Butterfly Valves		Steam Traps Valves		
 GL25 Series	 GL26 Series	 BU25 Series	 BU26 Series	 ST60 Series	 ST61 Series	 ST62 Series
✓	✓					
✓	✓	✓	✓			
✓	✓	✓	✓			
✓	✓	✓	✓			
✓	✓			✓	✓	✓
✓	✓			✓	✓	✓
		✓	✓			
		✓	✓			



SEMICONDUCTOR & CLEANROOM SYSTEMS

Industry Application

Semiconductor & Cleanroom Systems

Valves Designed for Purity, Precision, and Process Integrity

In semiconductor and electronics manufacturing, even the smallest contamination can impact yield and reliability. Valvewerkz delivers valve solutions engineered for ultra-clean media transfer, process gas lines, and utility systems. Our valves meet cleanroom standards to safeguard product quality, minimise particle generation, and support stable production in high-purity environments.



Key Applications



Ultra-Clean Water & Chemical Delivery

Leak-tight control for ultrapure water and aggressive chemical media.

- Ball Valves (10, 20, 50, 90, 80, 203 Series)
- Butterfly Valves (BU25, BU26 Series)
- Bellow Seal Globe Valves (GL25, GL26 Series)



Process Gas Distribution

High-integrity sealing for vacuum, inert, and specialty gas lines.

- Ball Valves (10, 20, 50, 80, 90 Series)
- Bellow Seal Globe Valves (GL25, GL26 Series)
- Check Valves (DC, SC Series)
- Butterfly Valves (BU26 Series)



Cleanroom Utility Lines

Reliable performance for HVAC, chilled water, and compressed air services.

- Ball Valves (50, 80, 203 Series)
- Butterfly Valves (BU25, BU26 Series)
- Bellow Seal Globe Valves (GL25, GL26 Series)



Chemical Mechanical Planarisation (CMP) & Wet Processes

Corrosion-resistant solutions for slurry, etching, and cleaning applications.

- Ball Valves (50, 90, 80, 203 Series)
- Butterfly Valves (BU25, BU26 Series)
- Bellow Seal Globe Valves (GL25, GL26 Series)

Product Capability for Key Functions

Valvewerkz valves support ultrapure water, process gases, and precision chemical systems with cleanroom-grade sealing and low contamination risk.

Product Key Applications	Ball Valves					
	 10 Series	 20 Series	 50 Series	 90 Series	 80 Series	 203 Series
Ultra-Clean Water						
Chemical Delivery	✓	✓	✓	✓	✓	✓
Process Gas Distribution	✓	✓	✓	✓	✓	✓
Cleanroom Utility Lines			✓		✓	✓
Chemical Mechanical Planarisation (CMP)						
Wet Processes			✓	✓	✓	✓

Why Valvewerkz for Semiconductor & Cleanrooms

- ✓ Cleanroom-compliant designs for purity and reliability
- ✓ Materials engineered for corrosion resistance and low particle emission
- ✓ Proven sealing technology for high-purity gases and liquids
- ✓ Technical support and product availability across Southeast Asia

Bellow Seal Globe Valves		Butterfly Valves		Steam Traps Valves		
 GL25 Series	 GL26 Series	 BU25 Series	 BU26 Series	 ST60 Series	 ST61 Series	 ST62 Series
✓	✓	✓	✓			
✓	✓	✓	✓			
✓	✓		✓			
✓	✓	✓	✓			
✓	✓	✓	✓			
✓	✓	✓	✓			



CHEMICAL PROCESSING & BLENDING

Industry Application

Chemical Processing & Blending

Valves Engineered for Safety, Reliability, and Chemical Resistance

In chemical plants and blending operations, every valve must withstand aggressive media, extreme conditions, and strict safety standards. Valvewerkz provides solutions designed for leak-tight sealing, emission control, and long service life. Our valves help protect people, equipment, and the environment while keeping production lines running smoothly.



Key Applications



Transfer & Blending Lines

Leak-tight shutoff and smooth control for acids, solvents, and feedstocks.

- Ball Valves (10, 20, 50, 80, 90, 203 Series)
- Butterfly Valves (BU25, BU26 Series)
- Bellow Seal Globe Valves (GL25, GL26 Series)
- Check Valves (DC, SC, DP Series)



Reaction & Processing Units

High-performance valves built for reactors, mixers, and batch processes.

- Ball Valves (50, 90, 80, 203 Series)
- Butterfly Valves (BU25, BU26 Series)
- Bellow Seal Globe Valves (GL25, GL26 Series)



High-Purity & Corrosive Media Handling

Specialised linings for acids, alkalis, and hazardous chemicals.

- Ball Valves (50, 90, 80, 203 Series)
- Butterfly Valves (BU25, BU26 Series)
- Bellow Seal Globe Valves (GL25, GL26 Series)
- Diaphragm Valves



Utilities & Support System

Reliable operation for water, steam, and compressed air lines supporting chemical production.

- Ball Valves (50, 90, 80, 203 Series)
- Butterfly Valves (BU25 Series)
- Bellow Seal Globe Valves (GL25, GL26 Series)
- Strainers for pump and equipment protection

Product Capability for Key Functions

Engineered for corrosive chemicals and high temperatures, Valvewerkz valves deliver reliable flow control, dosing accuracy, and safety in continuous-duty operations.

Product / Key Applications	Ball Valves					
	 10 Series	 20 Series	 50 Series	 90 Series	 80 Series	 203 Series
Transfer	✓	✓	✓	✓	✓	✓
Blending Lines	✓	✓	✓	✓	✓	✓
Reaction			✓	✓	✓	✓
Processing Units			✓	✓	✓	✓
High-Purity			✓	✓	✓	✓
Corrosive Media Handling			✓	✓	✓	✓
Utilities			✓	✓	✓	✓
Support Systems			✓	✓	✓	✓

Why Valvewerkz for Chemical Processing & Blending

- ✓ Cleanroom-compliant designs for purity and reliability
- ✓ Materials engineered for corrosion resistance and low particle emission
- ✓ Proven sealing technology for high-purity gases and liquids
- ✓ Technical support and product availability across Southeast Asia

Bellow Seal Globe Valves		Butterfly Valves		Steam Traps Valves		
 GL25 Series	 GL26 Series	 BU25 Series	 BU26 Series	 ST60 Series	 ST61 Series	 ST62 Series
✓	✓					
✓	✓					
✓	✓	✓	✓			
✓	✓	✓	✓			
✓	✓	✓	✓			
✓	✓		✓			
✓	✓	✓				
✓	✓	✓				



PHARMACEUTICAL & SANITARY SYSTEMS

Industry Application

Pharmaceutical & Sanitary Systems

Valves Engineered for Hygiene, Sterility, and Process Compliance

Pharmaceutical, biotechnology, and sanitary production lines demand strict hygiene control, smooth flow paths, and full compliance with international clean-design standards. Valvewerkz provides a sanitary-grade range of valves engineered for high purity, CIP/SIP processes, and FDA-compliant materials. Our solutions ensure contamination-free operation, precise flow control, and reliable performance across critical sterile environments.



Key Applications



Clean Utility & Purified Water Systems

Safe and consistent flow control for PW, WFI, and clean utility lines.

- Ball Valves (50, 90, 80, 203 Series)
- Globe Valves (GL25, GL26 Series)
- Butterfly Valves (BU25, BU26 Series)
- Check Valves (DC, SC Series)



CIP / SIP Distribution Networks

Sanitary valves designed to withstand thermal cycling, steam sterilisation, and frequent cleaning.

- Ball Valves (50, 90, 80, 203 Series)
- Globe Valves (GL25, GL26 Series)
- Butterfly Valves (BU25, BU26 Series)
- Steam Traps (ST63 Series)



Clean Steam & Condensate Systems

Reliable condensate removal and tight shutoff for sterilisation and steam utility lines.

- Ball Valves (50, 90, 80, 203 Series)
- Steam Traps (ST60, ST61, ST62, ST63 Series)
- Globe Valves (GL25, GL26 Series)
- Safety Relief Valves



Product Transfer & Process Lines

Hygienic flow control with smooth, crevice-free designs for drug manufacturing and food-grade applications.

- Ball Valves (50, 90, 80, 203 Series)
- Butterfly Valves (BU25, BU26 Series)
- Strainers (Sanitary)

Product Capability for Key Functions

Built for hygienic, CIP/SIP-compliant environments, Valvewerkz valves ensure smooth flow, clean operation, and reliable sealing for pure media and clean steam.

Product Key Applications	Ball Valves					
	 10 Series	 20 Series	 50 Series	 90 Series	 80 Series	 203 Series
Clean Utility			✓	✓	✓	✓
Purified Water Systems			✓	✓	✓	✓
CIP Distribution Networks			✓	✓	✓	✓
SIP Distribution Networks			✓	✓	✓	✓
Clean Steam			✓	✓	✓	✓
Condensate Systems			✓	✓	✓	✓
Product Transfer			✓	✓	✓	✓
Process Lines			✓	✓	✓	✓

Why Valvewerkz for Pharmaceutical & Sanitary Systems

- ✓ Hygienic, crevice-free designs engineered for sterile environments
- ✓ Materials that meet FDA, USP Class VI, and sanitary-grade requirements
- ✓ Proven reliability under CIP/SIP thermal cycling
- ✓ Smooth flow paths that minimise hold-up, contamination, and particle generation
- ✓ Regional technical support and fast delivery across Southeast Asia

Bellow Seal Globe Valves		Butterfly Valves		Steam Traps Valves			
 GL25 Series	 GL26 Series	 BU25 Series	 BU26 Series	 ST60 Series	 ST61 Series	 ST62 Series	 ST63 Series
✓	✓	✓	✓				
✓	✓	✓	✓				
✓	✓	✓	✓				✓
✓	✓	✓	✓				✓
✓	✓			✓	✓	✓	✓
✓	✓						✓
		✓	✓				
		✓	✓				



WATER TREATMENT & UTILITIES

Industry Application

Water Treatment & Utilities

Valves Built for Reliability, Corrosion Resistance, and Continuous Operation

Water treatment plants and utility systems require valves that perform under harsh, wet, and chemically aggressive conditions. From raw water intake and sedimentation lines to chemical dosing, sludge handling, and effluent discharge, Valvewerkz provides durable, low-maintenance flow control solutions that keep municipal and industrial water systems operating smoothly. Our valves are engineered for long service life, dependable sealing, and stable performance in demanding 24/7 environments.



Key Applications



Filtration, Flocculation & Sedimentation Lines

Reliable isolation and control for large-diameter water lines and treatment loops.

- Ball Valves (50, 90, 80, 203 Series)
- Butterfly Valves (BU25, BU26 Series)
- Globe Valves (GL25, GL26 Series)
- Strainers for pump and equipment protection



Chemical Dosing (pH Control, Coagulants, Disinfectants)

Precise on/off control for chemical injection and dosing systems.

- Ball Valves (50, 80, 203 Series)
- Globe Valves (GL25, GL26 Series)
- Check Valves (DC, SC Series)



Sludge Handling & Dewatering Systems

Tough and reliable valves capable of handling viscous media and abrasive particles.

- Ball Valves (50, 90, 80, 203 Series)
- Globe Valves (GL25, GL26 Series)
- Butterfly Valves (BU25, BU26 Series)
- Gate Valves



Utility Water Loops & Cooling Towers

Durable performance in cooling circuits, utility loops, and general plant water distribution.

- Ball Valves (50, 90, 80, 203 Series)
- Butterfly Valves (BU25, BU26 Series)
- Ball Valves (50, 80, 203 Series)
- Strainers



Wastewater Collection & Effluent Discharge

Corrosion-resistant solutions designed for raw water, wastewater, and discharge lines.

- Ball Valves (50, 90, 80, 203 Series)
- Butterfly Valves (BU25, BU26 Series)
- Globe Valves (GL25, GL26 Series)
- Safety Valves

Product Capability for Key Functions

Valvewerkz valves provide dependable shutoff and flow control across raw water, treatment lines, chemical dosing, and utility loops.

Product / Key Applications	Ball Valves					
	 10 Series	 20 Series	 50 Series	 90 Series	 80 Series	 203 Series
Filtration, Flocculation & Sedimentation Lines						
Chemical Dosing			✓	✓	✓	✓
Sludge Handling						
Dewatering Systems			✓	✓	✓	✓
Utility Water Loops			✓	✓	✓	✓
Cooling Towers			✓		✓	✓
Wastewater Collection			✓	✓	✓	✓
Effluent Discharge			✓	✓	✓	✓

Why Valvewerkz for Water Treatment & Utilities

- ✓ Corrosion-resistant materials engineered for wet, chemical, and abrasive environments
- ✓ Reliable sealing for chemical dosing, sludge lines, and effluent systems
- ✓ Durable, low-maintenance designs that reduce plant downtime
- ✓ Wide range of valves suitable for municipal and industrial water networks
- ✓ Regional support and fast delivery across Southeast Asia

Bellow Seal Globe Valves		Butterfly Valves		Steam Traps Valves		
 GL25 Series	 GL26 Series	 BU25 Series	 BU26 Series	 ST60 Series	 ST61 Series	 ST62 Series
✓	✓	✓	✓			
✓	✓					
✓	✓	✓	✓			
✓	✓	✓	✓			
		✓	✓			
		✓	✓			
✓	✓	✓	✓			
✓	✓	✓	✓			



POWER GENERATION

Industry Application

Power Generation

Valves Engineered for Steam, Pressure, and Continuous Load

Power plants operate under extreme temperatures, high-pressure steam circuits, and uninterrupted duty cycles. Valvewerkz provides reliable flow control solutions for steam, feedwater, cooling water, and fuel systems. Our valves are designed to support safe operation, minimise leakage, and maintain performance in thermal, gas, and renewable power facilities.



Key Applications



Main Steam Isolation & Throttling

High-integrity control for boiler-to-turbine steam circuits.

- Steam Traps (ST60, ST61, ST62 Series)
- Globe Valves (GL25, GL26 Series)
- Gate Valves
- Safety Valves



Boiler Blowdown & Drain Service

Durable shutoff in high-pressure and high-temperature discharge systems.

- Ball Valves (90, 80, 81FS, 203 Series)
- Globe Valves (GL25, GL26 Series)



Cooling Water & Auxiliary Systems

Reliable isolation in circulating water, cooling towers, and support utilities.

- Ball Valves (50, 90, 80, 81FS, 203 Series)
- Butterfly Valves (BU25, BU26 Series)



Condensate & Steam Handling

Efficient condensate removal and steam control for heat recovery systems.

- Ball Valves (50, 90, 80, 81FS, 203 Series)
- Globe Valves (GL25, GL26 Series)
- Steam Traps (ST60, ST61, ST62, ST63 Series)
- Check Valves

Product Capability for Key Functions

Valvewerkz valves provide dependable shutoff, precise steam regulation, and long-term reliability across boiler, turbine, and auxiliary systems.

Product Key Applications	Ball Valves					
	 20 Series	 50 Series	 90 Series	 80 Series	 81FS Series	 203 Series
Main Steam Isolation						
Throttling						
Boiler Blowdown					✓	
Drain Service			✓	✓	✓	✓
Cooling Water		✓	✓	✓	✓	✓
Auxiliary Systems		✓	✓	✓	✓	✓
Condensate		✓	✓	✓	✓	✓
Steam Handling		✓	✓	✓	✓	✓

Why Valvewerkz for Power Generation

- ✓ Leak-tight sealing for critical steam circuits
- ✓ Designed for thermal cycling and pressure extremes
- ✓ Durable construction for continuous-duty operation
- ✓ Fire-safe and emission-compliant options available
- ✓ Regional spare parts and technical support

Bellow Seal Globe Valves		Butterfly Valves		Steam Traps Valves			
 GL25 Series	 GL26 Series	 BU25 Series	 BU26 Series	 ST60 Series	 ST61 Series	 ST62 Series	 ST63 Series
✓	✓			✓	✓	✓	
✓	✓						
✓	✓						
✓	✓						
		✓	✓				
		✓	✓				
✓	✓			✓	✓	✓	✓
✓	✓			✓	✓	✓	✓