

# THE LEADING BRAND IN TAIWAN!

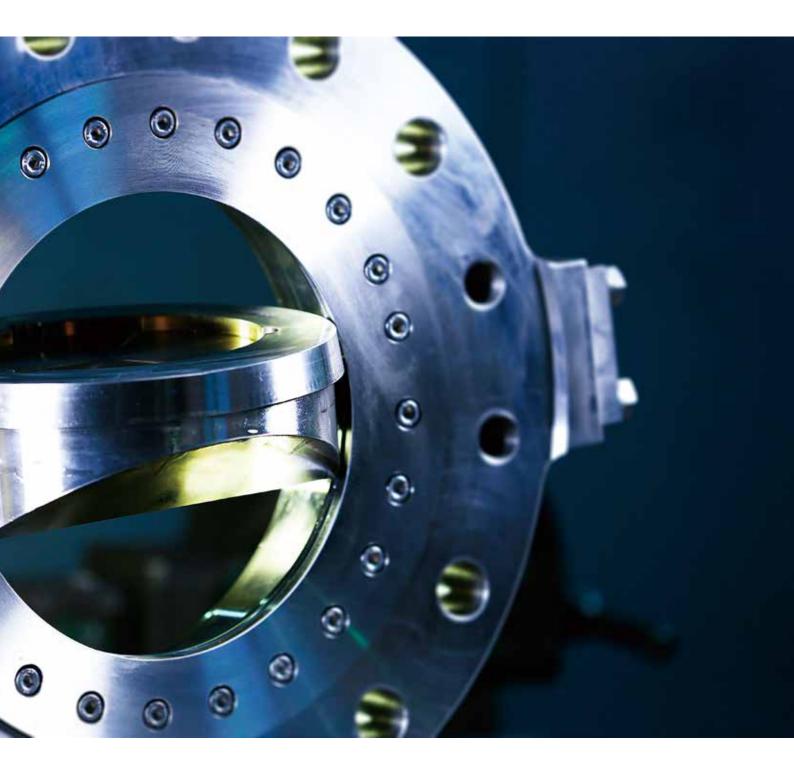
# VALUE VALVES

Taiwan in 1980 was facing a period of time when the world economy was booming. Several young enthusiastic students who were aiming at dedicating into the industry development set up the company which located in the important town of industry-Taipei Country .Through the 38 years' tillage and development, VALUE nowadays has been an international valve enterprise group gathers research development, design, manufacture, inspection and marketing. VALUE rank No.1 in the field of valve in Taiwan.



Profession builds up quality, service value .VALUE has been exporting its products to the United States, Japan, Europe, Oceania and other advanced industrial and regions, furthermore, it has been a partner of BASF,MOBIL,SHELL,IHI,VEOLIA,SIEMENS VAI, Mitsubishi Heavy Industries, Kobe Steel and other internationally renowned technology, superior quality. The island of Taiwan's Formosa Plastics Group, Chi Mei Industrial Group,Changchun Chemical Engineering, Far Eastern Textile Group,

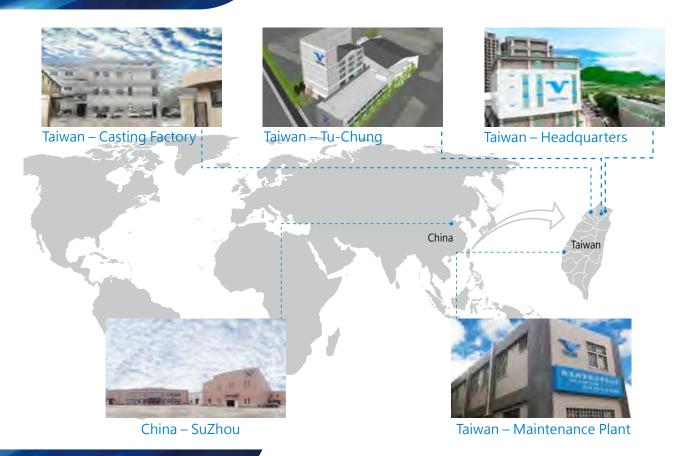
Taiwan's China Steel, China Petroleum, China Shipbuilding Group and other large enterprises are also included. VALUE's products are widely used in petroleum and petrochemical products, steel, shipbuilding, energy. water treatment, paper, air-conditioning, electronic and other industrial fields. With the transfer of global manufacturing and the spirit of "sharing with the mainland, the mainland, the implementation of the global supply chain" concept.,



in 2004 the company spent large number of money setting up a manufacturing base in Suzhou crowned as a paradise on earth, and in 2009 the second phase of capital plant was found. Advanced production technology and management skills were leaded in form Taiwan to provide customers in mainland with the most advanced products and services. Products have been applied to Haying(Zhangzhou) Housie Power Plant, the National Electric Huozhou Power Plant, the nation invested northern part of

Bay power plant, Haying(Luoyang) power plant, China and Asia hard pipe plants, Oriental Petrochemical, Taiwan Semiconductor Manufacturing Company, SMIC......and other well-known enterprises. We are adhering to the entrepreneurial spirit "Value, Professional, Quality, Service, Innovation" and committing to build industrial fluid valve pipeline products, and we are looking forward to providing you with quality products and satisfactory service!

# PRODUCTION PLANT



### **HISTORY**

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2017	We have passed the 2017 Taiwan Excellence.	2007	Awarded TS certification "Manufacture License of Special Equipment" for pressure pipe components.
	We have passed the NSF61 & NSF 372 certificate by UL		The Suzhou factory obtained CE certification by EU
2016	Double Offset and Triple Offset Butterfly Valve correspond	2006	market.
	to the Low Emission Certification, certified by TÜV.		The Mailiao maintenance factory was established in
	Ball Valves obtained the Fire Safe Test, certified by MIRDC		Yunlin, Taiwan.
	and TUV.	TUV. 2005	The Suzhou factory obtained ISO 9001 approval.
2015	A second service and maintenance factory was established in Mailiao, Taiwan.	2004	Value Valves(Suzhou) Ltd. in Suzhou (China) was established.
	A foundry were established in Taoyuan, Taiwan.	2002	Starting the supply of Nuclear Power Plants with our valves.
	The second factory were established in Tu-Chung, Taiwan.	1998	Headquarter was established in Tu-Chung, Taiwan.
	Triple-Offset and Double-Offset Butterfly Valves obtained	1993	Approved by China Corporation Register of
2013	SIL 3 certification according to IEC 61508-1.		Shipping.
2013	Triple-Offset obtained to the Low Emissions Certificate, certified by TÜV.		Awarded the title "Qualified Producer, Quality Control" approved by Export Commodities
	Double-Offset obtained to the Low Emissions Certificate of		Inspection Bureau.
2011	ISO 15848-1, certified by MIRDC.	1000	Awarded to be a qualified supplier for Chinese Ship Manufacture Company
	Triple Offset correspond to the fire safe test and cryogenic	1990	Approved by "Nippon Kaiji Kyokai"
	test certified by TÜV and MIRDC.	1007	7 11 7 7
	Double Offset corresponds to the 100,000 times	1987	Supplier qualification for Taiwan China Oil Company
	mechanical life cycle test of TA Luft certified by MIRDC.		Tu-Cheng Plant was established, maximum caliber
2010	Triple-Offset Butterfly Valves obtained to the Fire Safe	1985	enlarged up to 2200mm.
	Certification of ISO 10497and API 607.		Approved by American Bureau of Shipping (ABS), supply of marine valves.
2009	Start of production in Suzhou factory, increased production capacity to 300,000 per set.	1980	VALUE VALVES Co., Itd was found in Taipei City, Taiwan





Butterfly Valve Gate Valve Globe Valve Ball Valve

### Comparison of butterfly valves with other valves (using 100 mm diameter VALVE VF-730 modle valve)

### Butterfly Valve / Globe Valve

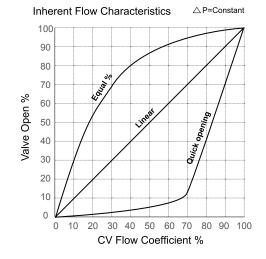
Name	Pressure Loss (ξ)	Flow Characteristics	Rangeablity
Butterfly Valve	0.3	Equal %	10:1
Globe Valve	1.5	Linear	30:1

### Butterfly Valve / Ball Valve

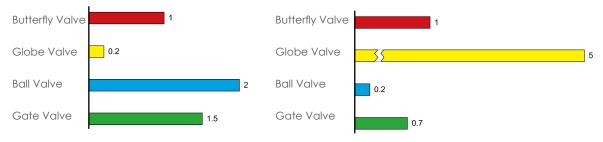
Name	Pressure Loss (ع)	Flow Characteristics	Rangeablity
Butterfly Valve	0.3	Equal %	10:1
Ball Valve	0.05	Quick opening	3:1

### Butterfly Valve / Gate Valve

Name	Pressure Loss (ع)	Flow Characteristics
Butterfly Valve	0.3	Equal %
Gate Valve	0.2	Quick opening



### Comparison of Cv Flow Coefficient (Butterfly Valve = 1) Comparison of Cv Pressure Loss (Butterfly Valve = 1)



### **CERTIFICATE**

	TUV		
A	ISO 9001	Design, Manufacturing and Sales of Industrial Valves	
TÜVRheinland CERTIFIED	ISO 10497	VALVE FIRE TEST	
	BS 6364	CRYOGENIC	
SIL 3	IEC 61508-1	SIL 3	
	ATEX 2014/34/EU		
((Ex))	EN 1127-1	ATEX	
	EN 13463-1		
Œ	PEC 97/23/EC Module H (0035)	Pressure Equipment Directive	
CQC			
COC	ISO 9001 (GB/T 19001)	China Quality Certification Center	

(A)	ISO 10497/API 607	VALVE FIRE TEST
	ISO 15848-1 ANSI/ISA 93.00.01	EMISSION
	TS	
(1)	TSG D7002	Manufacture License of Special Equipment People's Republic of China
ABS		
ABS	ISO 5752	Manufacture Assessment , Design Assessmnet
TR CU Certificate-GOST		
	TR CU 032 Certificate	On safety of pressure equipment
(FHI)	TR CU 010 Certificate	On safety of machinery and equipment

MIRDC



### PRODUCT INSTRUCTION

### VF-73 Series Centric Butterfly Valves



- It is suitable for HVAC, Ship Building, Petrochemical, Fire Control, Seawater, Flue Gas Desulphurization.
- Size:1.5"~72"(40~1800mm)
- ▼ Temp. Range:-20°C ~120 °C (-4 °F ~248 °F)
- ▶ Pressure Rating: ANSI 150 LB

- Value Valves Co., Ltd. provides the 90° rotary, rubber seated, centric butterfly valve(VF-73\_ series).
- VF-730 provides the BI-DIRECTIONAL BUBBLE-TIGHT SHUT OFF DESIGN and up to 50,000 time of life cycle. PIN FREE DESIGN offer simple maintenance and replacement of spare parts.
- Shaft Strength Enhanced
  Shaft strength increased by spline shaft without drilling on the shaft for taper pin.
- ➤ Anti-Condensed: upon request

### VF-8 Series Triple-Offect Butterfly Valves



- It is suitable for high temperature, high pressure, fire, corrosion and other harsh conditions of use and applied to use in petroleum, natural gas, chemical, refining, energy and power, ultra-low temperature for the process off site and the role of regulating valve.
- Size: 3"~136"(80 mm ~3400mm)
- ▼ Temp. Range: -196°C ~550°C (320 °F ~1022 °F)
- ▶ Pressure Rating : ANSI 150/300/600/900LB

- Shaft designed to be one piece shaft and dust-proof seal design.
- Life cycles may up to 50,000 cycles with no jamming and packing adjustment.
- The mounting top meets ISO 5211 which could be easy to install actuators and extension stem used for high and low temperature.
- The design of heating jacket and flashing nozzles are available on customers' requirement which apply to the temperature changes prevent fluid crystallization.
- Shaft strength: The new type provides a spline shaft in order to actuate the disc. The shaft remains strong since the production process does not include drilling holes for taper pins.
- Anti-slipping mechanism.

### PRODUCT INSTRUCTION

### VF-9 Series High Performance Butterfly Valve



- It is suitable for most of the applications of Petrochemical, Oil Refining, Air Separation, CDA with different unique temperature.
- Size: 2"~48" (50 mm ~1200mm)
- ▼ Temp. Range: -29°C ~500°C (-20 °F ~932 °F)
- Pressure Rating: ANSI 150/300 LB

- ANSI CLASS 300LB: Special dust-proof design of shaft to prevent the corrosion fluids into the shaft and cause obstruction.
- It is pressure design of floatable retainer and seat cause the better sealing effect, bidirectional function, and increase the life cycle upper to two million times.
- Patented Seat Retainer Ring attaches without bolts allowing complete uninterrupted seal face with all VF-9 series.
- The mounting top meets ISO 5211.
- The design of heating jacket and flashing nozzles are available on customers' requirement which apply to the temperature changes prevent fluid crystallization.
- Shaft strength: The new type provides a splined shaft in order to actuate the disc. The shaft remains strong since the production process does not include drilling holes for taper pins.
- ▲ Anti-slipping mechanism.

# VF-264 Series AWWA Double Flange Type Butterfly Valves - (VF-264 14" up) (VF-236 12" Below)



- It's suitable for Water works, Water treatment, Seawater, Exhaust, Condensate of power plan.
- Sizes: 14" 104" (350mm 2600mm)
- ▼ Temp. range: -20°C 120°C (-4 °F 248 °F)
- ▶ Pressure rating: AWWA Pressure Classes 25B 75B & 150B

- VF-264 series butterfly valve was designed by double eccentric; VF-236 series butterfly valve was designed by centric eccentric.
- VF-264 Flanged butterfly valve is designed and manufactured as per AWWA C504 (14"-72") and C516 (78" − 104") short type.
- The valve design is based on a double eccentric geometry of the disc rotating center. It allows a 360° continuous sealing between body seat and disc seat.
- As the disc with double eccentric design the disc seat will leave from the body seat after the valve slightly open. It offers a long life service.
- The body and disc could be hard rubber lined as customer's request to prevent corrosion from seawater. The rubber liner is tested by 20,000V DC of holiday test to make sure there is no pin hole exist.
- The valve sizes 30" and up the seat ring could be replaced without remove the valve from pipeline.
- Bi-direction tight shut off.

### PRODUCT INSTRUCTION

# VF-265A Series Ship Side Valves (above 14")



- Ship-Side Valve is designed under excellent high performance life cycle to cooperate to the market development of ship-building.
- ➤ Value Valves has already supplied our products to the market for more than 1000 ships around the world since 1980.
- Shaft Strength Enhancement
- Shaft strength increased by spline shaft without drilling on the shaft for taper pin.
- It is suitable for Ship building
- Size: 3"~24"(80mm~600mm)
- ▼ Temp. Range: -20°C ~120°C (-4 °F ~248 °F)
- Pressure Rating: 10 bar, 16 bar

### VF-BF Series Double Flanged Ball Valves



- Excellent shutoff design and unobstructed flow path.
- Ball valves are designed and equipped with blow out proof stem, lower and stable torque, and ISO 5211 mounting surface.
- Every ball valve has an independent tag-number to track the documents of materials, torque and inspection reports.
- Guarantee 100% hydraulic leakage test before release.
- Anti-Static design ball to stem and body.
- Fire safe design, bi-directional, two-piece split body, floating type.
- It is suitable for Petroleum and Refining, Chemical, Power and Energy, Steel Mill, Mining Industry.
- Size: 1/2"~12"(15 mm ~300mm)
- ▼ Temp. Range: -29°C ~210 °C (20 °F ~410 °F)
- Pressure Rating: ANSI 150/300LB, PN10/16/25/40/50

### CV-122 CV-123 Series Dual Plate Check Valves



- Value's dual plate check valves is designed for general purpose; it could be installed either horizontally or vertically in pipeline.
- Size: 1.5"~48"(40 mm ~1200mm)
- ▼ Temp. Range: -20°C ~120°C (-4 °F ~248 °F)
- ▶ Pressure Rating: ANSI 150 LB

### PRODUCT INSTRUCTION

### VF-3 Series Damper



- Damper valve incorporate Value Valve's design of double eccentric series and triple eccentric series.
- Butterfly design for using 3D simulation of finite element analysis, according to the customer's requests to particularly customized.
- Our valve design can be divided into centric eccentric, double eccentric and triple eccentric.
- ▶ It is suitable for Water treatment, HVAC.
- Size: 2"~120"(50mm~3000mm)
- ▼ Temp. Range: 0°C ~600°C (32 °F ~1112 °F)
- Pressure Rating: 1bar

### VF-75 Series PFA/PTFE Lining Valves



### WAFER TYPE/LUG TYPE

- Size:1.5"-24"(40mm~600mm)
- Pressure Rating: 10 bar, 6 bar, Vacuum -- 0,1 bar
- ▼ Temp. Range:-20°C ~200°C (-4 °F ~392 °F )
- Material: Liner TFM(PTFE),TFM cond.,TFM cond. FDA,UHMPE

### Gate Valves, Globe Valves



### Gate Valves

- Size: 1/2"~48"(15mm~1200mm)
- ▶ Pressure Rating: ANSI 150LB~1500LB
- Material: Carbon Steel, Stainless Steel, and Duplex Stainless Steel.

### Globe Valves

- Size: 1/2"~24"(15mm~1200mm)
- ▶ Pressure Rating: ANSI 150LB~1500LB
- Material: Carbon Steel, Stainless Steel, and Duplex Stainless Steel.

### PRODUCT INSTRUCTION

### KH022 Flange Ball Valves



- Excellent Shutoff, Unobstructed Flow path, and
- Unexposed Seats and Ball.
- Interchangeability of Parts and Simple to Maintain.
- Blow out proof stem.
- ➤ Sealmaster "Stem arrangement.
- Double stem sealing to comply with TA-Luft requirement.
- ▶ Heavy duty body & end cap construction with traceable heat unmber.
- Seat: Virgin PTFE, Glass-PTFE, Carbon-PTFE, PEEK, PCTFE, etc.
- It is suitable for Oil & Gas, Mining, etrochemical,
- ▶ Chemical Industries, Power Generation.
- Size: 1/2" to 24" (DN15 to DN600).
- Temperature Range: -20°C~180°C(-4°F~356°F).
- Flange Dimensions: ANSI 150/300/600LB.

### KH024 Flange Ball Valves



■ Unobstructed Flow path.

- Wave (Inconel 750) Spring design release torque with live-loaded function.
- Stainless steel blow out proof stem.
- Permits in-line access for seat replacement.
- Solid stellited seats with large sealing faces.
- Wall thickness comply with ASME B16.34.
- Stainless steel ball, hard chrome plated.
- Ball and seat are mate lapped for zero leakage shutoff.
- ▶ Loaded upstream seat for constant seat load.
- Press in downstream seat.
- ▶ It is suitable for Oil & Gas, Mining, Petrochemical, Chemical Industries, Power Generation...etc.
- Size: 1/2" to 12" (DN15 to DN300).
- Backup seals Graphite to 1,000°F (538°C).
- Pressure Rating: ANSI 150/300/600LB.

### KH032 Trunnion Mounted Ball Valves



- Excellent Shutoff and Unobstructed Flow path.
- ▶ Interchangeability of Parts and Simple to Maintain.
- Blow out proof stem.
- ▶ Sealmaster "Stem arrangement.
- Double stem sealing to comply with TA-Luft requirement.
- ▶ High Surface Finish.
- ▶ Heavy duty body & end cap construction with traceable heat number.
- Tightness to EN 12266-1.
- ▶ End connections: RF, RTJ, BW.
- Seat: Virgin PTFE, Glass-PTFE, Carbon-PTFE, PEEK, PCTFE.
- Trunnion ball design provides stable torque and smooth on/off operation even under high pressure condition.
- ➤ Size:2"~12"(DN50 to DN300).
- Temp. Range:-196°C to 280 °C(-320°F~536°F).
- Pressure rating: ANSI 150/300/600/900/1200/2500LB.

### PRODUCT INSTRUCTION

### KH052 V-Port Ball Valves



### KH042 Multi-port Ball Valves



- ▶ 2-PC body design prevents leakage.
- V-Segment provides large straight pass of fluid with solid particles. V-Segment with top and bottom bearings offers low torque operation.
- Rotary-valve design provides cutting particles or fibers in fluid between the V-Ball and the seat enables the fluid to pass smoothly without obstruction. Spring supported metal seats
- Interchangeable soft seats and metal seats satisfy different applications. Seats can be changed easily and directly by simple steps. Automatic pressure relief design.
- Nearly equal percentage flow characteristic.
- Integral mounting pad. External thrust bearing significantly reduces valve operating torque. Anti-static device.
- ▶ KH 052 Series is the throttling control ball valve that provides excellent valve capacity with optimum flow characteristic for wide industrial services such as Pulp and Paper, Refinery, Chemical, and Petrochemical Industries.
- Size:1/2"~10"(DN25 to DN250)
- ▼ Temp. Range: -20°C to 250°C (-4°F~122°F)
- ➤ Pressure rating: ANSI 150/300LB
- Excellent Shutoff, Unobstructed Flow path, and Unexposed Seats and Ball.
- 3-Way Flanged Ball Valves with Interchangeability of Parts and Simple to Maintain. Blow out proof stem.
- Sealmaster" Stem arrangement.
- Double stem sealing to comply with TA-Luft requirement.
- ▶ High Surface Finish.
- Ball with T- or L-shape bore, / Double L port.
- Seat: Virgin PTFE, Glass-PTFE, Carbon-PTFE, PEEK, etc.
- It is suitable for Oil & Gas, Mining, Petrochemical, Chemical Industries, Power Generation...etc.
- Size: 1/2" to 12" (DN15 to DN300).
- Pressure rating: ANSI 150/300LB.

### VF-CF Series Ceramic Lined Ball Valve



- Precision Machined Sealing Face.
- Nano Ceramics -to-Ceramics Seal.
- High Quality Seal.
- ➤ Ceramics-to-Ceramics for Fire Safe.
- ≥ Low Emission Body Seal Gasket.
- Secondary Sealing Ring.Precise Casting Body is 3 PC
- Design. Anti-Blow Out Stem. V-Type PTFE Packing.
- Adjusting Packing Nut. ISO 5211.
- It is suitable for Chloride Crystals Containing Iron, Lime Stone Slurry - Mining Slurry, Hydroxygen Compounds, Potassium Carbonate, Gypsum Slurry, Silicone Powder Sulfite Crystals, Pulp Slurry, Chloride, Fly Ash, Salt Slurry.
- Size: 1/2"-6" (15mm-150mm)
- ▼ Temp. Range: -29°C ~ 200°C (-20°F~390°F)
- Pressure rating: PN10, PN16; ASME Class 150

# PRODUCT INSTRUCTION

### Pneumatic Control Valves









Hydraulic Control Valves











**Customized Valves** 







3-Way Valves

# **WORKING CONDITIONS**









# **PROFESSIONAL TEAM**





# VF-8 Series 136 inch May.2018.1000P

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