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公司簡介和產品手冊

Company Profile and Product Brochure



超純淨、腐蝕性流體系統自控閥門

Automatic Valves for Ultra-Pure、Corrosive Fluid Systems

KOSCN Industrial Manufacturing (Shenzhen) Co., Ltd. was established in 2005. Our headquarter locates in Shenzhen. We have branch offices in Suzhou, Chengdu, Changsha and Hongkong in China and oversea office in Germany. Our agent partners are distributed around China and the world. We work together to serve our valued customers globally.

科訊工業製造(深圳)有限公司成立於2005年，公司總部位於中國改革開放的最前沿深圳。在中國蘇州、成都、長沙、香港，以及海外德國等地設有分公司和辦公室。服務的代理商團隊更遍布全國和海外地區。



KOSCN owns numbers of patents. The company is certified as China National High-tech Enterprise, Professional and Special Innovation Enterprise. KOSCN is focus on the development and manufacturing of automatic valves and instrumentation for ultra-pure and corrosive systems.

科訊是國家高新技術企業和專精特新企業，專注於製造超純淨、腐蝕性系統的自動化閥門和儀器儀表。



Advanced production process ensures high quality of the products.

先進的生產流程保證了高端的產品品質。



Our passionate expert team dedicate in developing optimized solution for our customers basing on their needs.

富有進取精神的專業團隊可以為客戶設計最優化的解決方案來滿足客戶的需求。



The company strictly implements ISO9001, ISO140001, ISO45001 and other management systems to ensure high-end product quality with advanced production process.

科訊對ISO 9001、ISO 14001、ISO 45001質量、環境和健康標準有著苛刻的執行要求，為現代化的生產方式保證了優秀的產品品質。

Market requirements keep changing in high dynamics. Driven by customers' ongoing needs, KOSCN is highly motivated to develop best products and provide innovative solutions for customers.

作為市場需求繼續以越來越快的速度變化。因此，今天產品開發的重點是滿足客戶的需求。這意味著在KOSCN，我們必須為客戶提供創新的解決方案。



As a specialized supplier, KOSCN has developed different solutions applied in various industries. We own a professional team in R&D, design, production and quality control in molding and injection.

作為一家專業供應商，KOSCN在各大領域提供了眾多解決方案，擁有從研發到設計，從品質到生產、從模具到注塑的專業團隊。



With the expertise in understanding our customers' needs and the industry requirements, our professional team have successfully developed many products with leading technical advantages.

通過專注於我們的客戶和行業，我們的研發團隊開發出貼近客戶需求的產品。



Plastic Ball Valves

球閥

- BV200-PRO 手動
- BV201-PRO 電動
- BV202-PRO 氣動



Plastic Diaphragm Valves

隔膜閥

- MV300 氣動緊湊型
- MV301 手動
- MV302 氣動經濟型
- MV303 氣動標準型
- MV304 電動



Plastic Butterfly Valves

蝶閥

- KV400 水工業手動
- KV401 水工業電動
- KV402 水工業氣動

For the application in ultra-pure, corrosive systems, our products comply with the most strict safety standard and regulations.

對於超純淨，腐蝕性系統應用，都按最嚴格的安全標準執行。



Chemical Liquid Valves

藥液薄膜閥

- DV310 氣動
- DV311 手動



Metal Diaphragm Valves

金屬隔膜閥

- SMV321 手動
- SMV323 氣動



Pressure regulating valves

壓力調節閥

- PV710 安全和背壓
- PV711 減壓
- PS700 壓力傳感器

BV Series 球閥

BV series ball valve is our standard products.
Oil-free configuration is the major feature fit for microelectronics industry applications.

KOSCN BV 系列球閥是一款標準型產品，
禁油配置是我們滿足微電子行業應用的一大特點。

From general ball valves for water industry, to PVDF heavy duty chemical resistant special valves for new energy and semiconductor industr.
KOSCN is always a capable and reliable partner to customers.

從用於水工業的普通球閥，到用於新能源和半導體的PVDF重型化學特殊閥門，
KOSCN 都是一個非常有能力的合作夥伴。



BV200-PRO 手動球閥

BV200-PRO is an upgraded manual ball valve.
Its rubber seal can resist high concentration chemicals attack.

它是升級的一款手動球閥，橡膠密封可以耐受化學原液使用。



Sizes: DN 15 ~ 50

Connection: True union
socket, spigot, Flange or UNF Flare LINK

Standard: DIN, JIS, ANSI



BV201-PRO 電動球閥

BV201-PRO is a new electric ball valve with intelligent control system.

一款新型，可實現智能控制的電動球閥。

which has the power-off reset and power-off manual control functions as well.

具有斷電復位和斷電手動控制功能。

Voltage: AC/DC12-24V, AC95-265V

Control mode: 4-20mA, 0-20mA, 0-5V, 1-5V, 0-10V, 2-10V

Output mode: 4-20mA

Sizes: DN 15 ~ 50

Connection: True union

Standard: DIN, JIS, ANSI



BV202-PRO 氣動球閥



Pneumatic: NC, NO, DA

Sizes: DN 15 ~ 50

Connection: True union

Standard: DIN, JIS, ANSI



BV202-PRO is a high-tech pneumatic ball valve which can provide position revertive signal transmission and meet ATEC protection class requirement.

它是一款高新能的氣動球閥，可以配置位置反饋，包括防爆等級要求。

The all-plastic actuator is very safe and performs well in harsh environment.

安全的全塑執行機構，具備優越的環境耐受性能。

MV Series 隔膜閥



KOSCN MV series have smooth curved channel which has much smaller pressure loss than conventional diaphragm valve to achieve the double flow capacity.

KOSCN MV 系列平滑的曲徑流道，實現比傳統隔膜閥的雙倍流通能力。

KOSCN MV series have smooth curved channel which has much smaller pressure loss than conventional diaphragm valve to achieve the double flow capacity.

良好的線型流體特性可以實現精准的調節功能。

Suitable for medias with a small amount of particles and solids.

適合含有少量顆粒和固體的介質。

MV300 氣動隔膜閥

MV300 is granted with multiple patents. Its outstanding with the characteristics of high frequency feature and long service life.

MV300 是一款擁有多項專利的產品，具有高頻和高壽命的特徵。

MV300 is granted with multiple patents. Its outstanding with the characteristics of high frequency feature and long service life.

在 PCB，PV，半導體等行業有廣泛應用，特別是 FlareLINK 配置給客戶帶來便捷。



True union: DN 15

PVC-U PVC-C PPH PP-N PVDF

UNF Flare LINK: 3/4", 1"

PPH PP-N PVDF

MV301 手動隔膜閥

MV301 is an ergonomically designed product with operation easiness and convenience.

MV301 是一款基於符合人體工程學的產品，操作方便和靈敏。

The handwheel will lock per every 22.5 degrees adjustment with accurate opening/closing management and padlock permission manangement.

手輪每 22.5° 有鎖止槽，精准開閉管理，並具有掛鎖權限管理。

Sizes: DN 15 ~ 65

Connection:

- True union

socket, spigot

- Flange

Standard: DIN, JIS, ANSI

PVC-U PVC-C PPH PP-N PVDF



MV302 氣動隔膜閥



Pneumatic: NC, NO, DA

Sizes: DN 15 ~ 50

Connection: True union

Standard: DIN, JIS, ANSI

PVC-U PVC-C PPH PP-N PVDF

MV302 is a compact and economic pneumatic diaphragm valve.

MV302 是一種緊湊、經濟型的氣動隔膜閥。

MV302 is suitable for most equipment suppliers for compact and cost demanding applications with its smaller size and 6bar pressure rating.

這種閥門尺寸較小，額定壓力為 6bar，適合大多數設備商的緊湊和低成本應用。

MV303 氣動隔膜閥

MV303 series are standard chemical grade pneumatic diaphragm valves with larger flow than MV302 series.

MV303 系列為標準型化工級氣動隔膜閥。有比 MV302 更大的流通能力。

MV303 series are PN10 pressure rating and perform well in water and chemical liquid system.

PN10 的壓力等級，適合水系統和化學流體系統的高性能要求應用。



Pneumatic: NC, NO, DA

Sizes: DN 15 ~ 65

Connection:

- True union

socket, spigot

- Flange

Standard: DIN, JIS, ANSI

PVC-U PVC-C PPH PVDF

MV304 電動隔膜閥



Sizes: DN 15 ~ 50

Connection: True union

Standard: DIN, JIS, ANSI

Control mode:

4-20mA, 0-20mA,

0-5V, 1-5V, 0-10V, 2-10V

PVC-U PVC-C PPH PP-N PVDF

MV304 are electric diaphragm valves which can be upgraded online from manual valves with adding electric modules. They can be applied as automatic valve in new applications.

MV304 是可以從手動閥在線升級，也可以作為自動化閥門應用在新的場合。

Superior flow channel together with high precise electric actuator, its linear throttling capability is very excellent.

平滑流道結合高精度的電動執行機構，線性調節性能非常優越。

KV Series 蝶閥

KV40X series butterfly valves are economic products developed for water industry application.

KOSCN KV4x 系列蝶閥是作為一款水工業應用開發的經濟型產品。

KV40X series butterfly valves are fit for non-high concentration chemical system such wastewater treatment application as well.

並滿足如廢水處理的非高濃度化學品系統應用。



KV400 手動蝶閥

Sizes: DN 65 ~ 350

Connection: Flange

Standard: DIN, JIS, ANSI

PVC-U PPH



KV401 電動蝶閥

Voltage:

- AC/DC12-24V

- AC95-265V

PVC-U PPH



KV402 氣動蝶閥

Pneumatic: NC, NO, DA

PVC-U PPH



DV Series 藥液薄膜閥

DV Series diaphragm valves are chemical liquid control valves fit for broad applications with the features of small size, excellent corrosion resistance and heat resistance.

KOSCN DV 系列薄膜閥是一款化學液用控制閥，具有小型化，優良的耐腐蝕性、耐熱性等特點，且用途廣泛。

All the materials have smooth inner wall and low ion precipitation, and well meet FDA177-1520/ 177-1550 dissolution test requirement. The static leach out test result of our PFA products well meet SEMI F057 cleanliness requirement.

所有材質內部光滑、離子析出性低的特點，符合 FDA 177-1520/177-1550 溶出試驗要求。我們的 PFA 產品，靜態浸出測試符合 SEMI F057 潔淨度要求。



The PFA products injection molding is completed in the clean room.

PFA 材質產品注塑成型在無塵室完成。

The PFA products assembly, testing and packaging are completed in the clean room.

PFA 產品在無塵室完成組裝、測試和包裝。

Grade: 100,000 Class

The structural parts are made of pollution-free PVDF.

結構件由無析出的 PVDF 製成。

The diaphragm is made in a clean environment.

隔膜在潔淨要求環境製成。

Lubricating grease is silicon free and non volatile.

潤滑脂是無硅、無揮發的。



DV310 氣動薄膜閥

DV pneumatic valve is a precise chemical liquid valve with the characteristics of high frequency and long service life.

DV 氣動閥是一款精密的化學藥液閥，具備高頻、高壽命的應用特徵。

It's widely applied in PCB, PV and semiconductor industries.

在 PCB，PV，化工，醫療，生物制藥，半導體等行業有廣泛應用。



Pneumatic: NC, NO, DA

UNF Flare LINK

1/4", 3/8", 1/2", 3/4", 1"

PFA PTFE

1/4", 3/8", 1/2"

PP-N PVDF

DV311 手動薄膜閥



UNF Flare LINK

1/4", 3/8", 1/2", 3/4", 1"

PFA PTFE

1/4", 3/8", 1/2"

PP-N PVDF

DV311 manual valve has a unique torque protection design which increase the service life of diaphragm effectively.

DV311 手動閥具有獨特的扭力保護設計，有效提高薄膜的使用壽命。

All structural parts are PVDF injection molded to ensure mechanical strength and prevent contamination.

所有結構件均採用PVDF 注塑成型，保證強度和杜絕污染。

SMV Series 金屬隔膜閥

SMV series are standard industrial and sanitary metal diaphragm valves which adopt corrosion resistant all-plastic structure actuator.

SMV 系列為標準型工業級和衛生級隔膜閥，採用全塑的執行機構。

The valve body is casted by SUS316L with chemical and mechanical polishing.

閥體採用 SUS316L 鑄造，化學和機械拋光而成。

The PN10 pressure rating meets the high-performance requirements in chemical and ultra-pure fluid systems applications.

PN10 的壓力等級，滿足化學和超純流體系統的高性能應用。



Casting records can be traced back to every valve body.

鑄造記錄可以追溯到每個閥體

Material detection by spectrum analyzer.

光譜分析儀材質檢測

Liquid penetration method for pore testing

液體滲透法檢測沙孔

100% inspection for the degree of finish through the roughness meter.

粗糙度計檢測光潔度，100% 全檢

Comply with DIN EN 10204

符合 DIN EN0204 規範

Conform to U.S factory test report MTR

符合 U.S 工廠材質證明標準MTR

Conform to ASME-BPE standard

符合 ASME-BPE 標準

Roughness Class:

Industry Type $\leq 1,00 \mu\text{m}$

Sanitary Type $\leq 0,40 \mu\text{m}$



SMV321 手動隔膜閥

SMV321 is an ergonomically designed product with operation easiness and convenience.

SMV321 是一款基於符合人體工程學的產品，操作方便和靈敏。

Its superior linear feature makes it more accurate in throttling than ball valves.

其優越的線型特徵，調節應用比球閥更精准。

Sizes: DN 15 ~ 50

Standard:

Butt welding

- ISO 1127

- DIN 11850

Clmp

- DIN 11850

- ASME-BPE

316L



SMV323 氣動隔膜閥



Pneumatic: NC, NO, DA

Sizes: DN 15 ~ 50

Standard:

Butt welding ISO 1127 or DIN 11850

Clmp DIN 11850 or ASME-BPE

316L

SMV323 is a standard pneumatic diaphragm valve with options of industrial grade and sanitary grade.

SMV323 作為一款標準型產品，可以選擇工業級、衛生級配置。

To meet intensive installation needs.

為了滿足密集安裝需求

DN15 compact option

DN15 有緊湊型配置



PV710 安全閥

PV710 is applied in upstream pressure control to equilibrium the pressure pulsation and reduce the peak pressure.

PV710 用於閥前壓力控制，平衡出壓力脈動，降低壓力峰值。

The pressure can be preset before delivery for customers to use directly according to the needs.

出廠前可以進行預設壓力，以滿足方便客戶直接使用。



Sizes: DN 15 ~ 50

Connection:

- True union

socket, spigot

- Flange

Standard: DIN, JIS, ANSI



PS700 壓力傳感器



**Range: 0... 0.3bar, 0.6bar, 1bar,
2.5bar, 5bar, 10bar, 16bar**

Sizes: DN 15 ~ 20

Connection: True union

Standard: DIN, JIS, ANSI



PS700 is a chemical resistant all-plastic pressure sensor with compact structure for economic use.

PS700 為耐腐蝕全塑結構的壓力傳感器，是一款緊湊、經濟型的工業產品。

Liquid junction diaphragm: Al_2O_3 96%
METALLUX high stability sensor unit
Accuracy: 0.25%, 0.5% FS
Output signal: 4... 20 mA

接液隔膜： Al_2O_3 96%
採用 METALLUX 高穩定傳感器
精度：0.25%, 0.5% FS
輸出信號：4... 20 mA



Our products are widely applied in semiconductors, glass panels, electroplating, photovoltaics, landfill leachate, circuit boards, metallurgy, steel, water treatment, recycling, chemical industry, food and drinks, electric power, papermaking, biopharmaceutical and biological fermentation and other fields.

我們的產品廣泛應用於半導體、玻璃面板電鍍、光伏、垃圾液線路板、冶金、鋼鐵、水處理、化工、食品、飲料、電力、造紙、生物制藥以及生物發酵等領域。



Biological fermentation: Valve array of ion exchange system

生物發酵行業：離子自動交換柱之隔膜閥、三通閥陣



Aluminum foil and Copper foil: Filtration system

銅箔、鋁箔行業：反應槽過濾系統隔膜閥和蝶閥



New material: silicon material cleaning equipment

新材料：硅料清洗設備中的隔膜閥和球閥



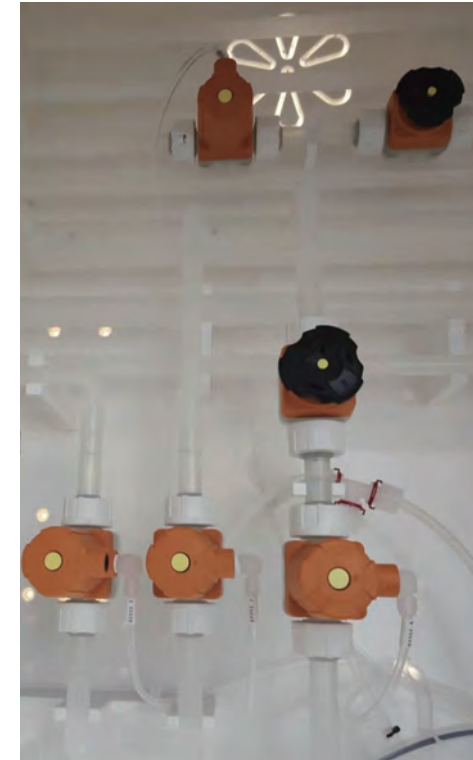
PV: Widely used in Texturing and etching equipment

光伏：隔膜閥、藥液閥及球閥在濕法設備規模化應用



Glass panels: valve applications for cleaning equipment

面板行業：隔膜閥、球閥在清洗設備中的供、排液控制



Semiconductors: Diaphragm valves and Chemical Liquid Valves in electroplating and cleaning equipment

半導體行業：化鍍設備和清洗設備中的隔膜閥及藥液閥潔淨應用



Biopharmaceutical: application in process systems

生物制藥：不鏽鋼隔膜閥在工藝系統中的應用



Dosing system: widely used in new energy, food, beer and beverage

加藥系統：壓力保持閥廣泛應用於新能源、啤酒飲料及水處理行業



PCB: DES、SES、OSP、Developing Machine and other equipment are widely used

電路板行業：科訊隔膜閥、傳感器在制程設備、中央供藥系統到處可見



Water treatment: pure water, wastewater and leachate systems

水處理行業：應用於純皮水、滲速液等幾乎所有的水工業

Our long-term target is to provide customers the most reliable and safe solutions with the best technologies. This commitment has been well recognized by global top customers.

我們的長期目標是為客戶提供最好的技術、最可靠和安全的解決方案，這使得我們得到了許多全球頂級客戶的認可。

電路板行業 PCB



光伏行業 PV



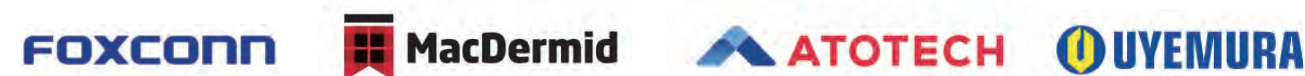
半導體行業 Semiconductors



面板行業 Glass panels



電鍍行業 Electroplating



環境 Environment protection



新能源行業 New energy



鋼鐵行業 Steel



金屬箔 Metal foil

