

KOSO

GENERAL

CATALOG

综合样本

KOSO

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www.koso.com.cn



**继续满足您多样化的需求。
全球解决方案公司 KOSO**

自KOSO集团创立以来，一直以“创意”为信念，持续满足世界各国对过程自动化(PA)的各种需求，提供“Made in KOSO”这一独创且高品质的产品、技术和服务。今天，作为一家全球解决方案公司，通过我们在日本和海外子公司之间的控制技术的合作，提供综合自动化系统，我们继续在世界舞台上向前迈进。

**Continuing to meet your diverse needs.
Global Solutions Company KOSO**

Since its inception, the KOSO Group has been dedicated to responding to the various needs of process automation (PA) for a wide range of countries, through a firm belief in our creativity. We provide the products, technologies and services with the originality and exceptional quality that comes from being "Made in KOSO." Today, as a global solutions company that provides integrated automation systems by control technology collaboration between our global subsidiary companies in Japan and overseas, we continue advancing further upon the world stage.

KOSO

沿革

Corporate History

公司创立开始生产销售调节阀	1965.11	Starts business as control valve manufacturer
日本工装(制造)株式会社成立	1966.8	Establishes Nihon KOSO Industry Co., Ltd.(Manufacturing division)
东京工装株式会社成立	1971.6	Establishes Tokyo KOSO Co., Ltd.
被认定为高压气体设备制造企业	1974.11	Acquires KHK(The High Pressure Gas Safety Institute of Japan)certification
工装工程技术株式会社成立	1976.3	Establishes KOSO Engineering Co., Ltd.
工装服务株式会社成立	12	Establishes KOSO Service Co., Ltd.
日本工装株式会社成立	1977.2	Establishes Nihon KOSO Co., Ltd.(Sales division)
KOSO INTERNATIONAL INC.(美国)成立	1978.5	Establishes KOSO International, Inc. (U.S.A.)
A.P.I.认定	1979.3	Acquires A.P.I. certification
韩一计装工业株式会社(韩国·合资)成立	5	Establishes Korea Controls Co., Ltd.(as a joint enterprise) (Korea)
与中国技术进出口公司开始技术转让	9	Starts technology transfer negotiation with China National Technology Import & Export Corp.
工装株式会社成立	1980.4	Establishes KOSO Co., Ltd.
与RONAN ENGINEERING COMPANY(美国)建立销售关系	1982.11	Signs rep. agreement with Ronan Engeering Company of U.S.A. for sales to Japanese market
株式会社桑都制作所加盟工装集团	11	Acquires interest in Souto Seisakusho Co., Ltd.
按IBM系统38增设FA化工厂	1984.5	Introduces IBM factory automation system
向I.M.I. BALEY BIRKETT LTD.(英国)技术转让	1985.2	Signs agreement with I.M.I Baley Birkett Ltd. of U.K. for technology transfer
向鞍山市热工仪表厂(中国)技术转让	4	Signs agreement with Anshan Instrument Co. of China for technology transfer
与CONTROL COMPONENTS INC.(美国)相互技术转让	1986.3	Signs agreement with Control Components Inc. of U.S.A. for a mutual technology transfer
中国企业技术改造【(社)日中经济协会:无锡市仪表阀门厂】	5	Diagnosing Chinese business for technology renovation.(JAPAN-CHINA NATIONAL PROJECT)
UNDERWRITERS LABORATORIES INC.认定	1987.5	Acquires UNDERWRITERS LABORATORIES INC. certification
向无锡市仪表阀门厂(中国)技术转让	12	Signs agreement with Wuxi Instrument Valve Co., Ltd. of China for technology transfer
韩国工装株式会社(韩国)成立	1988.8	Establishes Korea KOSO Engineering Co., Ltd. (Korea)
无锡工装自控阀门有限公司(中国·合资)成立	1989.5	Establishes Wuxi KOSO Control valve Co., Ltd.(as a joint enterprise) (China)
鞍山工装自控仪表有限公司(中国·合资)成立	6	Establishes KOSO-AACI (Anshan) Co., Ltd.(as a joint enterprise) (China)
与ADALET-PLM(美国)建立销售关系	10	Signs rep. agreement with Adalet-Plm of U.S.A. for sales to Japanese market
PACIFIC SEISMIC PRODUCTS INC.(美国)成立	1990.1	Establishes Pacific Seismic Product, Inc. (U.S.A.)
东连株式会社成立	5	Establishes Toren Co., Ltd.
向天津市自动化仪表四厂(中国)技术转让	1991.3	Signs agreement with Tianjin No.4 Instrument Factory of China for technology transfer
与SOR INC.(美国)建立销售关系	4	Signs rep. agreement with SOR Inc. of U.S.A. for sales to Japanese market
收购Herutu电子株式会社	7	Acquires Herutu Electronics Co., Ltd.
收购T.S.B株式会社	1992.3	Acquires Toyo Steel Belt Ind. Co., Ltd.
与DRALLIM CONTROLS LTD.(英国)建立销售关系	4	Signs rep. agreement with Drallim Controls Ltd. of U.K. for sales to Japanese market
KOSO CONTROLS ASIA PTE.(新加坡)成立	1993.5	Establishes KOSO Controls Asia Pte. Ltd. (Singapore)
韩一计装工业株式会社由合资变为独资	5	Acquires the ownership of Korea Controls Co., Ltd. (Korea)
工装自控工程(无锡)有限公司成立	5	Establishes KOSO Control Engineering (Wuxi) Co., Ltd. (China)
KOSO AMERICA INC. 成立(REXA INC. 改称)	8	Acquires Rexa, Inc. of U.S.A. (Changes Rexa's name to KOSO America, Inc.)
收购株式会社新晃社	9	Acquires Shinkosha Co., Ltd.
通过ISO 9001认证	1994.6	Acquires ISO9001 certification
收购Sigma电机工业株式会社	1995.9	Acquires Sigma Electric Works Co., Ltd.
工装自控工程有限公司(中国)成立	1996.10	Establishes KOSO Control Engineering Co., Ltd. (China)
收购东京冈崎产业株式会社	2000.1	Acquires Tokyo Okazaki Industries Co., Ltd.
韩一计装工业株式会社更名为韩国KOSO株式会社	7	Korea Controls Co., Ltd. changes its name to Korea KOSO Co., Ltd.
日本工装(制造)株式会社将工装服务株式会社合并	2001.2	Merges Nihon KOSO Co., Ltd.(Manufacturing division)with KOSO Service Co., Ltd.
KOSO FLUID CONTROLS PRIVATE LIMITED(印度)成立	6	Establishes KOSO Fluid Controls Private Ltd. (India)
收购株式会社天正印刷	2002.1	Acquires Tensho Printing Co., Ltd.
杭州杭氧工装泵阀有限公司(中国·合资)成立	2	Establishes Hangzhou Hangyang KOSO Pump & Valve Co., Ltd.
株式会社SP研究所成立	3	Establishes SP Laboratory Co., Ltd.
无锡工装阀门铸造有限公司(中国)成立	4	Establishes Wuxi KOSO Valve casting Co., Ltd.
取得HAMMEL DAHL 产品制造·销售权	7	Acquires the assets of Hammel Dahl globe control valves line.
东连株式会社改名为日本工装富士株式会社	2005.6	TOREN Co., Ltd. Changes its name to Nihon KOSO Fuji Co., Ltd.
取得KENT INTROL产品制造·销售权	6	Acquires the assets of Kent Introl products line.
KOSO KENT INTROL LTD(英国)成立	6	Establishes KOSO Kent Introl Ltd. (U.K.)
KENT INTROL PRIVATE LTD.(印度)成立	6	Establishes Kent Introl Private Ltd. (India)
KOSO M-Mac International,Inc.(美国)成立	2007.1	Establishes KOSO M-Mac International, Inc. (U.S.A.)
无锡工装流体控制有限公司(中国)成立	6	Establishes Wuxi KOSO Fluid Control Co., Ltd. (China)
鞍山工装控制工程有限公司(中国)成立	2008.10	Establishes KOSO Control Engineering (Anshan) Co., Ltd. (China)
NIHON KOSO CO.,LTD.DUBAI BRANCH 成立	2009.1	Establishes the Dubai Branch of Nihon KOSO Co., Ltd.
韩国工装(韩国)新工场成立	2	Korea KOSO Engineering Co., Ltd. (Korea) establishes a new plant.
Moscow营业所(俄罗斯)开设	5	Opens Moscow Sales Office (Russia)
KENT INTROL PRIVATE LTD改名为KOSO INDIA PRIVATE LTD	2010.11	Kent Introl Private Ltd., changes its name into KOSO India Private Ltd.
收购株式会社TOKAI的米喜阀门事业部(现在东京工装富士工场)	2011.2	Acquires the Yoneki Valve business from TOKAI Corporation (currently the Fuji Factory of Tokyo KOSO Co., Ltd.)
KOSO CONTROL EUROPE S.R.O(捷克)成立	7	Establishes KOSO Control Europe s.r.o. (Czech)
工装自控工程(无锡)有限公司 第二工场成立	12	Establishes the second factory at KOSO Control Engineering (Wuxi) Co., Ltd.
DUBAI BRANCH 搬迁至 ABU DHABI BRANCH	12	Relocates Nihon KOSO's Dubai Branch to its Abu Dhabi Branch
无锡工装阀门技术服务有限公司(中国)成立	2012.4	Establishes Wuxi KOSO Valve Technology Service Co., Ltd. (China)
鞍山工装自控仪表有限公司从合资改独资	12	Acquires the ownership of KOSO Control Instrument (Anshan) Co., Ltd.
KOSO AMERICA和REXA,INC.合并	2013.3	Merges KOSO America and Rexa, Inc. into one
KOSO AMERICA和REXA,INC.拆分独立	2014.6	Expansion of KOSO America and Rexa, Inc. into separate factories/businesses.
REXA CANADA CORP.(加拿大)成立	2015.1	Establishes Rexa Canada CORP. (Canada)
无锡工装阀门铸造有限公司(中国)新铸造工场开始启用	3	Wuxi KOSO Valve Casting Co., Ltd. starts operations of its new casting factory in China
工装自控工程(无锡)有限公司 搬迁到新办公大楼	8	KOSO Control Engineering (Wuxi) Co., Ltd. relocates its office to a new one.
KOSO GULF LLC(阿曼苏丹国)成立	9	Establishes KOSO Gulf LLC (Oman)
鞍山工装自控仪表有限公司搬迁到新工场	10	KOSO Control Instrument (Anshan) Co., Ltd. relocates its factory to a new one.
KOSO AMERICA 搬迁至新工场	11	KOSO America relocates its factory to a new one
KOSO SAUDI ARABIA COMPANY BRANCH(沙特阿拉伯)成立	2016.4	Establishes KOSO Saudi Arabia Company Branch (Saudi Arabia)
KOSO ITALY S.r.l.(意大利)成立	11	Establishes KOSO Italy S.r.l. (Italy)
收购Parcol S.p.A(意大利)	2018.5	Acquires the control valve business of Parcol S.p.A. (Italy)
KOSO Parcol S.r.l.(意大利)成立(整合KOSO ITALY S.r.l.)	8	Establishes KOSO Parcol S.r.l. (Italy) (into which KOSO Italy S.r.l. is merged)

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KOSO NETWORK



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ISO 9001 Certified

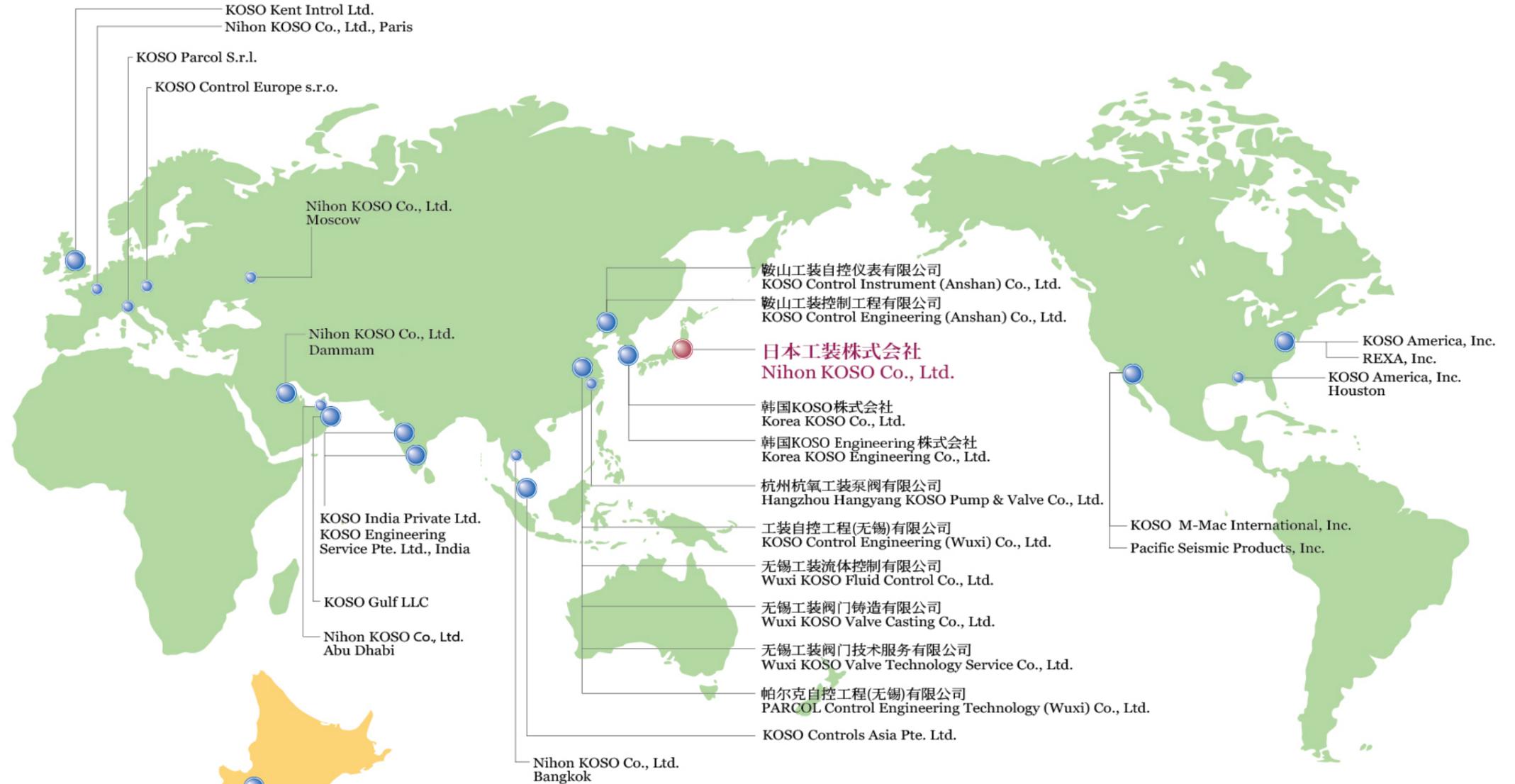
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- CSC関東 〒290-0057 千葉県市原市五井金杉1-42
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- CSC富士 〒421-3306 静岡県富士市中之郷1450
TEL. 0545(81)2380(代表) FAX. 0545(81)2381
- CSC名古屋 〒486-0935 愛知県春日井市森山田町62
TEL. 0568(34)1421(代表) FAX. 0568(34)1431
- CSC大阪 〒564-0062 大阪府吹田市垂水町3-31-29
TEL. 06(6378)7117(代表) FAX. 06(6378)7050
- CSC広島 〒731-5127 広島県広島市佐伯区五日市1-8-25
TEL. 082(943)7750(代表) FAX. 082(922)9033
- CSC岡山 〒712-8061 岡山県倉敷市神田3-8-29
TEL. 086(444)1802(代表) FAX. 086(444)1812
- CSC九州 〒802-0802 福岡県北九州市小倉南区城野4-5-55
TEL. 093(922)3431(代表) FAX. 093(951)1435
- CSC大分 〒870-0901 大分県大分市西新地1-8-17
TEL. 097(551)4816(代表) FAX. 097(551)4827

- CSC岡山
- CSC広島
- CSC九州
- CSC大分

- 本社
営業本部
- CSC関東
富士工場
CSC富士

- CSC名古屋
- 西日本営業部
- CSC大阪



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WORLD-WIDE NETWORK(Sales, Manufacturing, Services)

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Paris	Tel. (33)1-73-75-23-1	Fax. (33)1-73-75-23-1
Moscow	Tel. (7)495-775-8531	Fax. (7)495-787-2758
Abu Dhabi	Tel. (971)2-639-0655	Fax. (971)2-639-0889
Dammam		
Bangkok		
KOSO M-Mac International, Inc., U.S.A.	Tel. (1)661-942-4499	Fax. (1)661-942-0999
KOSO America, Inc., U.S.A.	Tel. (1)774-517-5300	Fax. (1)774-517-5230
Pacific Seismic Products, Inc., U.S.A.	Tel. (1)661-942-4499	Fax. (1)661-942-0999
REXA, Inc., U.S.A.	Tel. (1)508-584-1199	Fax. (1)508-444-3694
KOSO Kent Introl Ltd., U.K.	Tel. (44)1484-710311	Fax. (44)1484-407407
KOSO Parcol S.r.l., Italy	Tel. (39)0331-413111	Fax. (39)0331-404215
KOSO Control Europe s.r.o., Czech	Tel. (420)513-035-180	
KOSO Gulf LLC, Oman	Tel. (968)2443-7695	
KOSO Control Engineering (Wuxi) Co., Ltd., China	Tel. (86)510-85101567	Fax. (86)510-85122498
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Wuxi KOSO Valve Casting Co., Ltd., China	Tel. (86)510-85581109	Fax. (86)510-85123093
Wuxi KOSO Valve Technology Service Co., Ltd., China	Tel. (86)510-85375157	Fax. (86)510-85117428
KOSO Control Instrument (Anshan) Co., Ltd., China	Tel. (86)412-8829518	Fax. (86)412-8968860
KOSO Control Engineering (Anshan) Co., Ltd., China	Tel. (86)412-5220389	Fax. (86)412-5226389
Hangzhou Hangyang KOSO Pump & Valve Co., Ltd., China	Tel. (86)571-85869508	Fax. (86)571-85343203
Korea KOSO Co., Ltd., Korea	Tel. (82)2-539-9011	Fax. (82)2-566-5119
Korea KOSO Engineering Co., Ltd., Korea	Tel. (82)55-252-0970	Fax. (82)55-252-0946
KOSO Controls Asia Pte. Ltd., Singapore	Tel. (65)67472722	Fax. (65)67467677
KOSO India Private Ltd.	Tel. (91)253-2408811	Fax. (91)253-2384413
KOSO Engineering Service Pte. Ltd., India	Tel. (91)253-2408811	Fax. (91)253-2384413

主要制造工场及客户服务中心

Main Factory and Customer Satisfaction Centers

在生产过程中使用由CAD/CAM组成的自动线、无人搬运系统、生产管理等综合先进的硬件与软件确立的生产体制，以实现100%品质保证为目标创业以来，立足于用户，不断地充实产品开发及售后服务。自1995年以来已在全国各地设立了用户服务中心，一切为了用户满意——是我们的座右铭。

Our goal in manufacturing is to guarantee high quality 100% of the time. We aim to achieve this goal by using only the best hardware and software to create advanced, comprehensive production system with CAD/CAM automation lines, unmanned transport systems production control systems and other fine processes. Developing products uncompromisingly from users' standpoint has always been one of Koso's major operating principles from the date of its formation. To further enhance it, we have opened Customer Satisfaction Centers (CSC) starting in 1995 at various locations convention to users to position ourselves even closer to their every day needs. As has been in the past, "Customer Satisfaction is and will always be Koso's first priority.



【东京工装株式会社】
TOKYO KOSO CO., LTD.

ISO 9001 Certified
ISO 14001 Certified

各种调气阀、执行机构、气动元件的生产销售
售后服务中心
Manufacture of control valves, actuators and pneumatic devices.
Customer satisfaction center.

福岛工场
FUKUSHIMA FACTORY



【工装自控工程(无锡)有限公司】
KOSO CONTROL ENGINEERING (WUXI) CO., LTD.

ISO 9002 Certified

中国无锡市滨湖区建筑西路777号A8幢 214072
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各种调节阀、执行机构，气动元件的生产销售及售后服务中心
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Manufacture and sale of control valves, actuators and pneumatic devices. Customer satisfaction center. Casting(cast steel, stainless steel) and investment casting. Sale of casting and investment casting.

无锡总部
WUXI HEAD OFFICE



【无锡工装流体控制有限公司】
WUXI KOSO FLUID CONTROL CO., LTD.

中国无锡市滨湖区胡埭工业园张舍北路19号
TEL.(86)510-85585118 FAX.(86)510-85585119

各种调节阀、执行机构，气动元件的生产销售及售后服务中心
各种铸件（碳钢·不锈钢）的铸造与销售
Manufacture and sale of control valves, actuators and pneumatic devices. Customer satisfaction center. Casting(cast steel, stainless steel) and investment casting. Sale of casting and investment casting.

无锡工场
WUXI FACTORY

【无锡工装阀门铸造有限公司】
WUXI KOSO VALVE CASTING CO., LTD.

中国无锡市滨湖区胡埭工业园区冬青路5号 214161
TEL.(86)510-85581109 FAX.(86)510-85123093

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Manufacture and sale of steel, stainless steel, heat resisting steel and many kinds of alloy castings made by sand casting and investment casting.

无锡工场
WUXI FACTORY



【无锡工装阀门技术服务有限公司】
WUXI KOSO VALVE TECHNOLOGY SERVICE CO., LTD.

中国江苏省无锡市滨湖区胡埭镇陆藕路5号
TEL.(86)510-85375157 FAX.(86)510-85117428

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Maintenance and field service of control valves

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WUXI FACTORY



REXA, INC.
4 Manley Street West Bridgewater, MA 02379 U.S.A.
TEL.(1)508-584-1199 FAX.(1)508-444-3694

各种智能型电液执行机构的制造与销售
Manufacture and sale of intelligent digital actuators.

波士顿工场
BOSTON FACTORY



KOSO AMERICA, INC.
253 Pleasant Street, West Bridgewater MA 02379 U.S.A.
TEL.(1)774-517-5300 FAX.(1)774-517-5230
http://www.kosoamerica.com

各种调节阀的制造与销售
Design, manufacture and supply of control valves, actuator and accessories.

波士顿工场
BOSTON FACTORY





KOSO M-MAC INTERNATIONAL, INC.

各种调节阀和地震切断阀的制造和销售
Sales of control valves and seismic shut-off valves.

PACIFIC SEISMIC PRODUCTS, INC.

233 East Avenue H-8 Lancaster, CA 93535-1821 U.S.A.
TEL.(1)661-942-4499 FAX.(1)661-942-0999

地震截止阀及压铸件的制造和销售
Manufacture of seismic shut-off valves.
Manufacture and sale of die cast parts.

加利福尼亚工场
CALIFORNIA FACTORY



KOSO KENT INTROL LTD.

Armytage Road Brighouse, West Yorkshire HD6 1QF U.K.
TEL.(44)1484-710311 FAX.(44)1484-407407

ISO 9001 Certified
ISO 14001 Certified

各种节流阀、苛刻工况用阀门、调节阀的设计、制造及售后服务
Design, manufacture and after sales service of chokes,
sewer service and control valves.



【鞍山工装自控仪表有限公司】

KOSO CONTROL INSTRUMENT (ANSHAN) CO., LTD.

中国鞍山市高新区千山中路临清街196号
TEL.(86)412-8829518 FAX.(86)412-8968860

电子式执行机构的制造与销售
Manufacture and sale of electronic actuators.

【鞍山工装控制工程有限公司】

KOSO CONTROL ENGINEERING (ANSHAN) CO., LTD.

电液式执行机构的制造与销售
Manufacture and sale of electro-hydraulic actuators.



KOSO INDIA PRIVATE LTD.

H-33 & 34, MIDC, Ambad, Nashik 422010, Maharashtra, INDIA
TEL.(91)253-2408811 FAX.(91)253-2384413

各种调节阀、执行机构和附件的设计、制造、销售
Design, manufacture and supply of control valves,
actuators and accessories.

纳西克第2工场
NASHIK FACTORY 2



纳西克第1工场
NASHIK FACTORY 1

KOSO PARCOL S.R.L.

Via Isonzo, 2 - 20010 Canegrate, Milano, ITALY
TEL.(39)0331-413111 FAX.(39)0331-404215

各种调节阀、执行机构、附件的设计、制造和销售
Design, manufacture and supply of control valves, actuator and
accessories.

米兰工场
MILAN FACTORY



KOSO INDIA PRIVATE LTD.

Industrial Development Area, Kanjikode West, Palakkad-678 623, Kerala State, INDIA TEL.(91)491-2566047 FAX.(91)491-2567142

各种调节阀、执行机构、气动元件的制造与销售
系统咨询服务、开车服务
各种调节阀及仪器仪表的维修服务

Manufacture and sale of control valves, actuators and pneumatic devices. System advice. Start-up service.
Maintenance service for control valves and industrial instruments.



喀拉拉工场
KERALA FACTORY

【HERUTU电子株式会社】

HERUTU ELECTRONICS CO., LTD.

http://www.herutu.co.jp

FA系统及设备的制造与销售
数据通信设备的制造与销售
Manufacture and sale of FA systems and devices.
Manufacture and sale of data communication equipment.

滨松工场
HAMAMATSU FACTORY



KOSO 自动控制系统

KOSO PRODUCTS FOR AUTOMATION SYSTEMS

过程控制系统 PROCESS CONTROL SYSTEMS

控制系统 CONTROL SYSTEMS

- 分散控制系统
- 监控记录器
- 控制盘
- 信号器·警报系统
- 防爆仪器

传感器 SENSOR · INSTRUMENTS

- 温度·压力·压差变送器
- 温度·压力·压差开关
- 液面·界面传感器
- 流量检测

信号无线传输系统 WIRELESS SIGNAL TRANSMISSION SYSTEMS

- 4-20mA 模拟信号无线传送
- 数字信号无线传送

苛刻用途 SEVERE SERVICES

- 低噪音阀(流速控制阀内件)
- 高温·高压·高压差阀

一般用途 GENERAL SERVICES

- 球阀·套筒阀
- 闸阀
- 偏心·同心半球阀
- 浮动·固定球阀
- 高温·偏心蝶阀

控制阀及执行机构 CONTROL VALVES & ACTUATORS

执行机构 ACTUATORS

- 气动式
- 电动(电子)式
- 电液式
- 智能型数字式

附件 ACCESSORIES

- 气/气·电气定位器·过滤减压阀
- 智能型定位器
- 开度发生器·电流·电压·信号发生器

减温器 DESUPERHEATERS

工厂自动化系统 FACTORY AUTOMATION SYSTEMS

无线信号传输·控制 WIRELESS COMMUNICATIONS & CONTROLS

- 生产管理·操作监控
- 数据通信·遥控
- 移动装置·回转装置的数据传输·控制
- 遥控门·建筑机械的无线控制
- 医院·饮食店的冷却系统·监视装置

其它 OTHERS

- 地震时的紧急截止阀

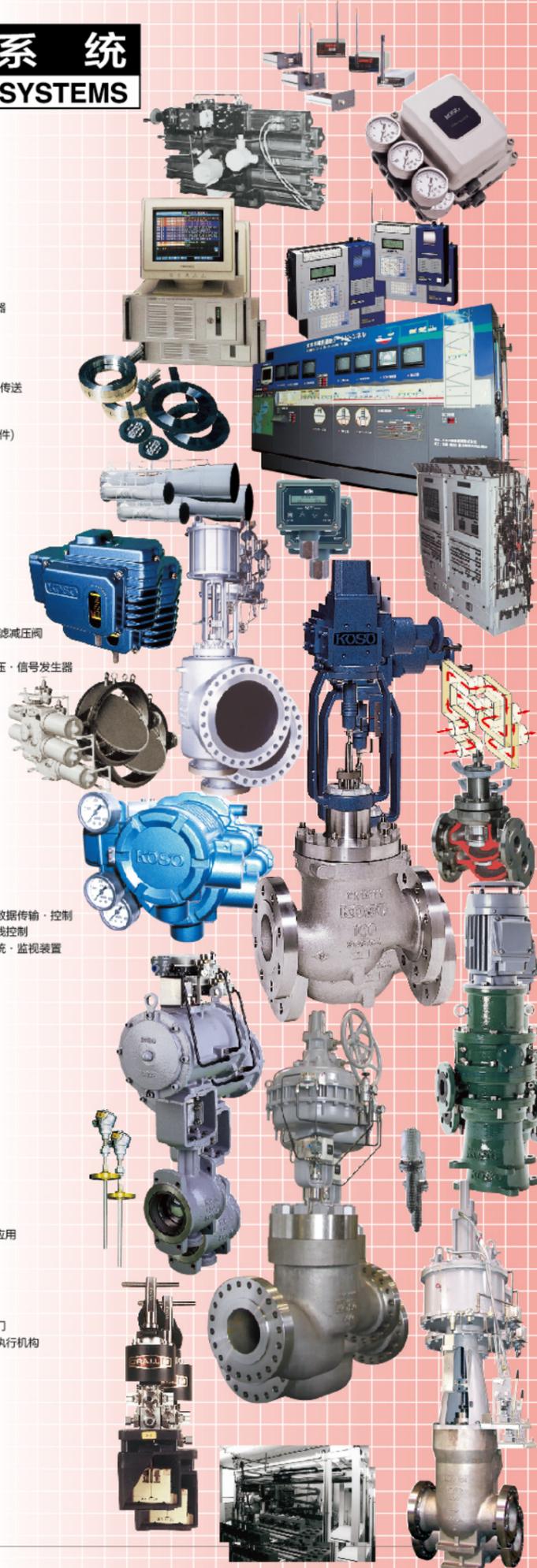
延长阀门及系统的寿命 PROLONGATION OF VALVE'S & SYSTEM'S LIFE TIME

CSC系统的展开与网络化 NET SYSTEMS FOR CUSTOMER SATISFACTION CENTERS

- 网络的充实·IT仪器的应用

开发长寿命的阀门·执行机构 DEVELOPMENT OF LONG LIFE VALVES & ACTUATORS

- 超长寿命苛刻用途的阀门
- 节能型智能高精度电液执行机构
- 整机的破坏性试验

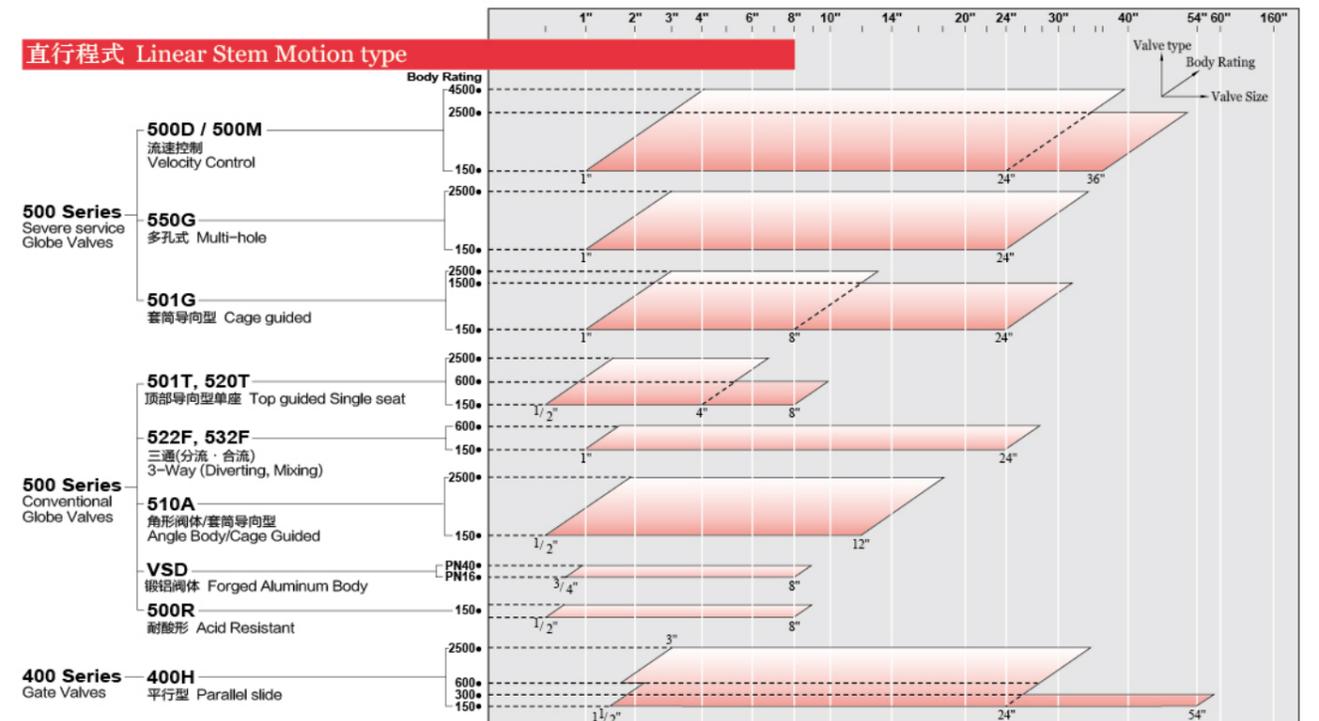


CONTROL VALVES

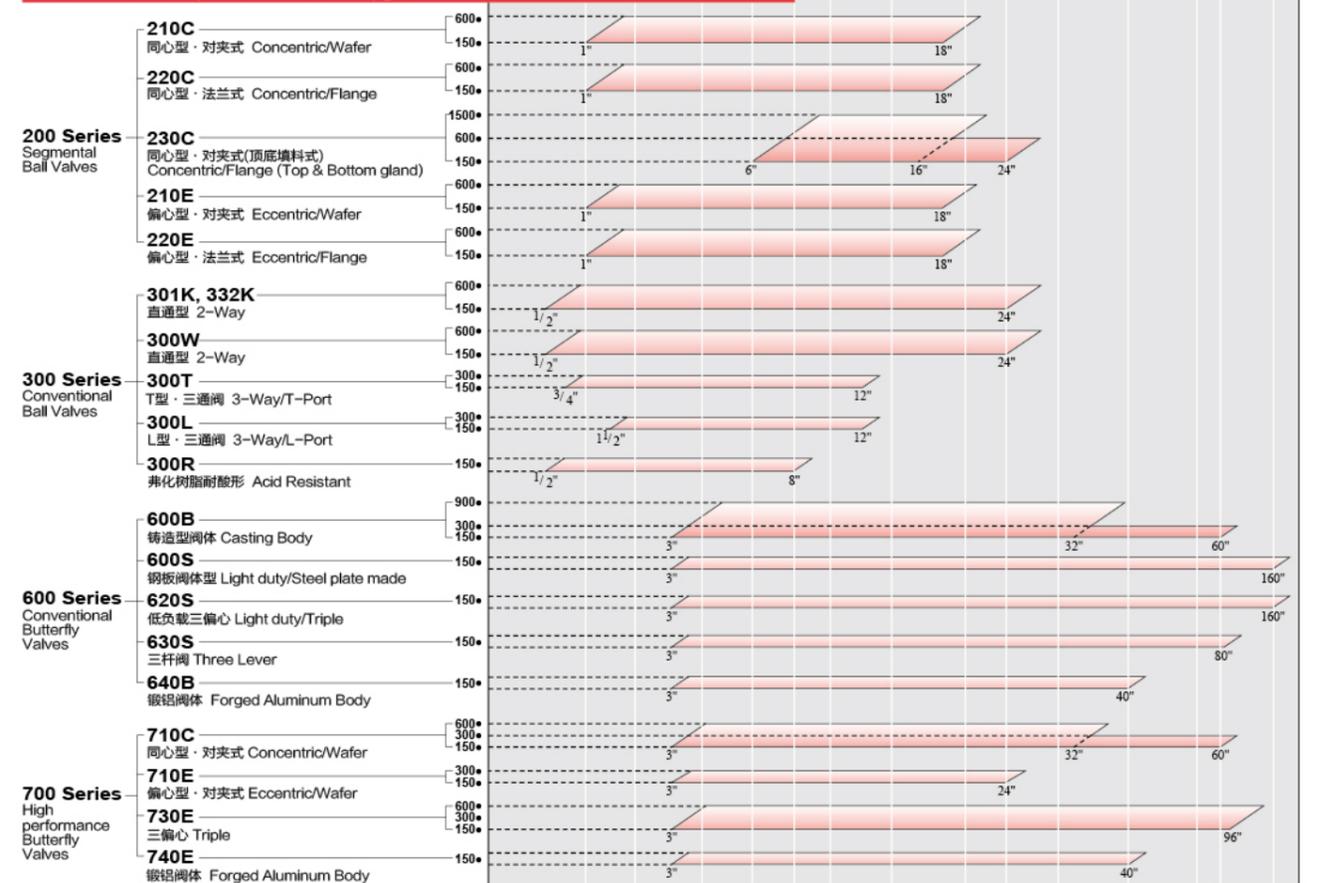
调节阀制作范围

KOSO CONTROL VALVE RANGES

直行程式 Linear Stem Motion type



角行程式 Rotary Stem Motion type



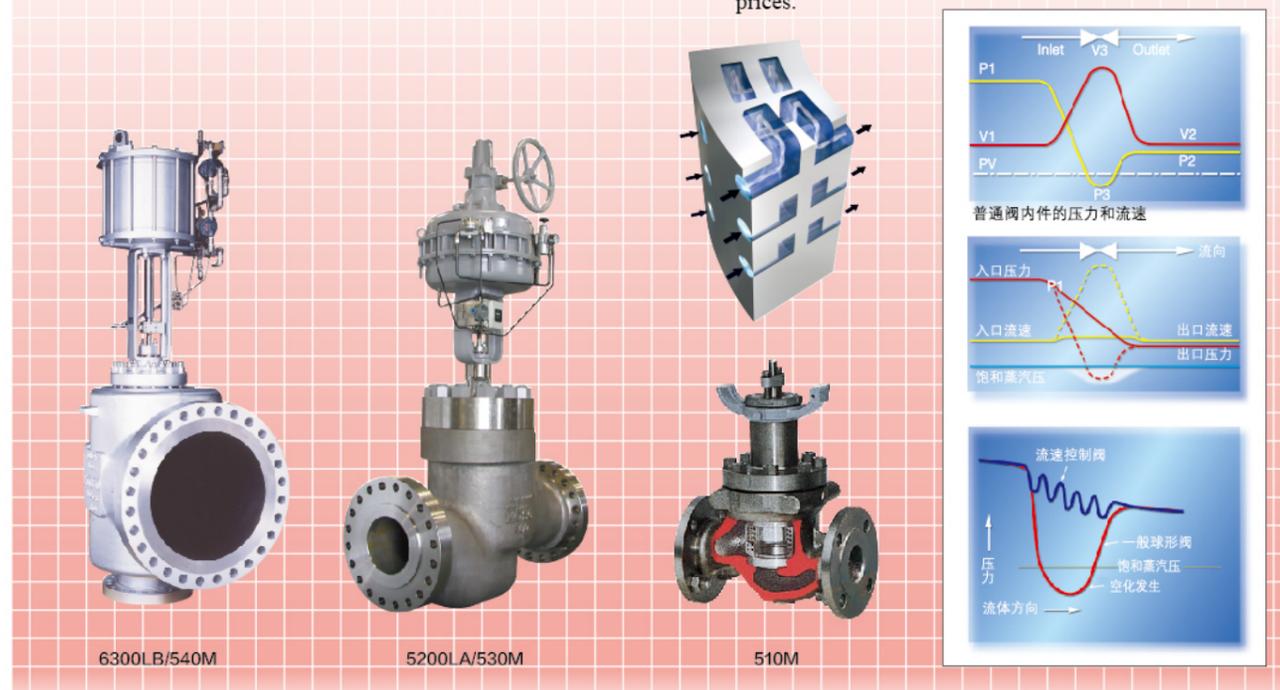
VECTOR SERIES SEVERE SERVICE GLOBE VALVES

VECTOR

- 500M:** VECTOR M Trim
- 500D:** VECTOR D Trim
- 500J:** VECTOR J Trim

KOSO VeCTor 系列是专门适用于高温、高压差等苛刻条件下的控制阀。不论是可压缩性或不可压缩性流体，都可保证其控制精确及长寿命，能解决气蚀、噪音等问题。另外，由于该系列的高质量和高性能，使得维护费用降低，使系统简洁化。同时由于不需要消音器、配管扩散器而使原始成本降低。请根据流体条件，按照 500M、500D、500J 各自不同的性能、价格选择合适的型号。

In severe services of high temperature and high differential pressure, KOSO's multi-stage trim VECTOR promises accurate control and long life, free from cavitation erosion and noise problems, whether the fluid is compressive or non-compressive. This Series is multi-advantageous in that its improved performance and durability allows maintenance cost reduction and system simplification. Since such ancillaries as diffusers and silencers are not necessary, equipment cost can be reduced too. From 500M, 500D and 500J, depending on the fluid condition, most suitable model can be selected comparing functions and prices.



规格: Specifications

本体形式	Body type	500M 球形阀 Globe / 角阀 Angle	500D (510D, 520D, 530D, 540D) 球形阀 Globe / 角阀 Angle	500J 球形阀 Globe / 角阀 Angle
公称口径	Body size	1" ~ 36"(900A)	1" ~ 36"(900A)	1" ~ 18"(450A)
公称压力	Body rating	ANSI Class 150 ~ 4500 • JIS10K ~ 63K	ANSI Class 150 ~ 4500 • JIS10K ~ 63K	ANSI Class 150 ~ 2500 • JIS10K ~ 63K
流体温度	Fluid temperature	-196 ~ +565°C (-320F ~ +1050F)		
连接方式	Connections	法兰型(RF, RTJ), 焊接形(SW, BW), 整体式法兰型(RF, RTJ) Flanges (RF, RTJ), Butt Weld, Socket Weld, Integral Flanges (RF, RTJ)		
阀体材质	Body materials	SCPH2/WCB, SCPH21/WC6, SCPL1/LCB, SCS13A/CF8, SCS14A/CF8M, A105, F11, F22, etc...		
阀内件材质	Trim materials	SUS410/410SS, SUS316, INCONEL, F11(STELLITED), etc...		
可调比	Rangeability	50:1 ~ 20:1		
流量特性	Flow characteristics	线性、改良线性、改良等百分比 Linear, Modified Linear, Modified Eq%		
阀座泄漏量	硬密封 Metal seat	额定Cv x 0.01% ANSI Class IV, V or MSS-SP-61		
Leakage	软密封 Soft seat	微气泡级 ANSI Class VI		
降压级数	Trim Levels	Up to Level 24	Up to Level 40	Up to Level 8
执行机构	Actuator combination	5200LA: 气动薄膜式执行机构 6300LB: 气动活塞式执行机构 3500LC, 3600LB: 全电子式执行机构 3800LA: 电液式执行机构REXA	Pneumatic Diaphragm Actuator Pneumatic Cylinder Actuator Solid State Electronic Actuator Microprocessor REXA Actuator	

500 SERIES SEVERE SERVICE GLOBE VALVES

501G: 套筒导向型单座调节阀 Cage Guided Control Valves

550G: 多孔式套筒导向型调节阀 Multi-hole Cage Guided Control Valves

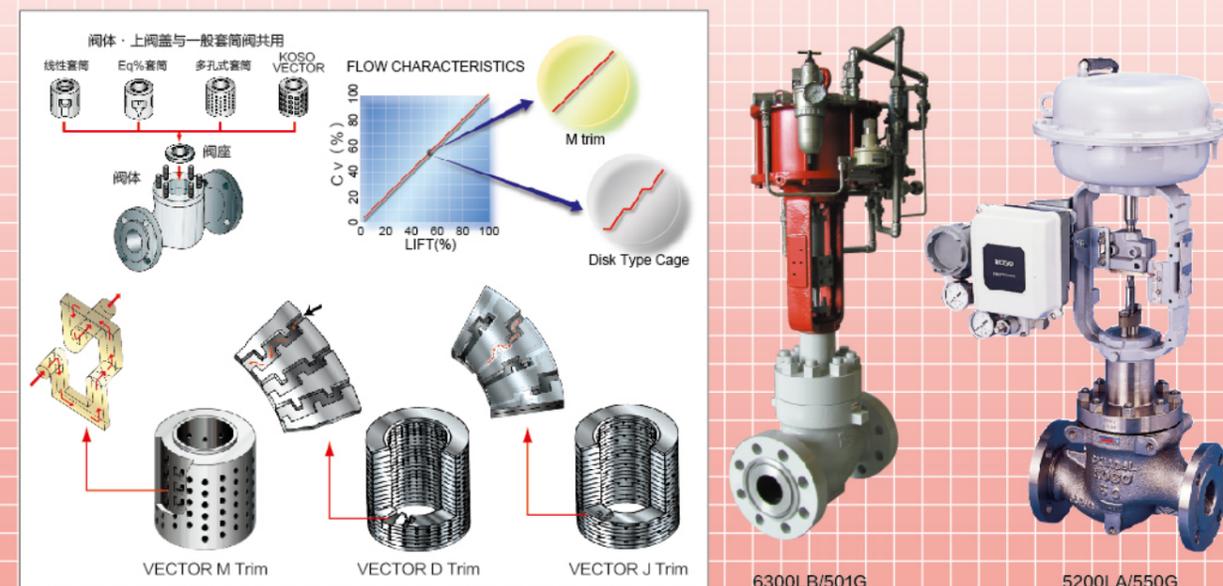
501G系列流体压力平衡阀芯型套筒导向型单座调节阀是一种大容量、动态稳定性优良、适合苛刻工况条件的高性能调节阀。由于具有使作用在阀芯上的流体压力平衡的结构，因此只须用较小的操作力便可达到稳定调节。

550G 系列调节阀为了达到低噪音和防空化的目的，采用多孔式套筒取代 501G 标准型套筒。因此，除了多孔式套筒以外，其余的零件都能和 501G 系列调节阀互换。

如该系列不能满足流体条件可选用KOSO VeCTor 系列。

501G series is our latest cage guide control valve of large Cv value, and of dynamic stability. It is suitable to a variety of heavy duty services. This series is characterized by pressure balanced type trim for high pressure drops.

550G Series provides control valves that meet low noise and anti-cavitation requirements by incorporating a multi-hole type cages, instead of the standard cages, in the 501G Series cage guided control valves. All the parts except the multi-hole cage are interchangeable with the parts of the 501G Series accordingly. For those severe fluid conditions that cannot be covered by this Series, please select KOSO velocity control trim type.



规格: Specifications

本体形式	Body type	550G: 球阀型 Globe type 560G: 角阀 Angle type	501G: 球阀型 Globe type 511G: 角阀 Angle type
公称口径	Body size	1"(25A) ~ 24"(600A)	1"(25A) ~ 24"(600A)
公称压力	Body rating	ANSI Class 150 ~ 2500 • JIS 10K ~ 63K	ANSI Class 150 ~ 2500 • JIS 10K ~ 63K
流体温度	Fluid temperature	-196 ~ +538°C	
连接方式	Connections	法兰型(RF, RTJ), 焊接形(SW, BW), 其它 Flanges (RF, RTJ), Butt Weld, Socket Weld, etc.	
阀体材质	Body materials	SCPH2/WCB, SCPH21/WC6, SCPL1/LCB, SCS13A/CF8, SCS14A/CF8M, etc.	
阀内件材质	Trim materials	SUS410/410SS, SUS630/SCS24, SUS316/CF8M, etc.	
可调比	Rangeability	50:1 ~ 20:1	
流量特性	Flow characteristics	线性、改良线性、改良等百分比 Linear, Modified Linear, Modified Eq%	线性、等百分比 Linear, Eq%
阀座泄漏量	硬密封 Metal seat	ANSI Class IV, V or MSS-SP-61	
Leakage	软密封 Soft seat	微气泡级 ANSI Class VI	
执行机构	Actuator combination	5200LA: 气动薄膜式执行机构 6300LB: 气动活塞式执行机构 3500LC, 3600LB: 全电子式执行机构 3800LA: 电液式执行机构REXA	Pneumatic Diaphragm Actuator Pneumatic Cylinder Actuator Solid State Electronic Actuator Microprocessor Actuator

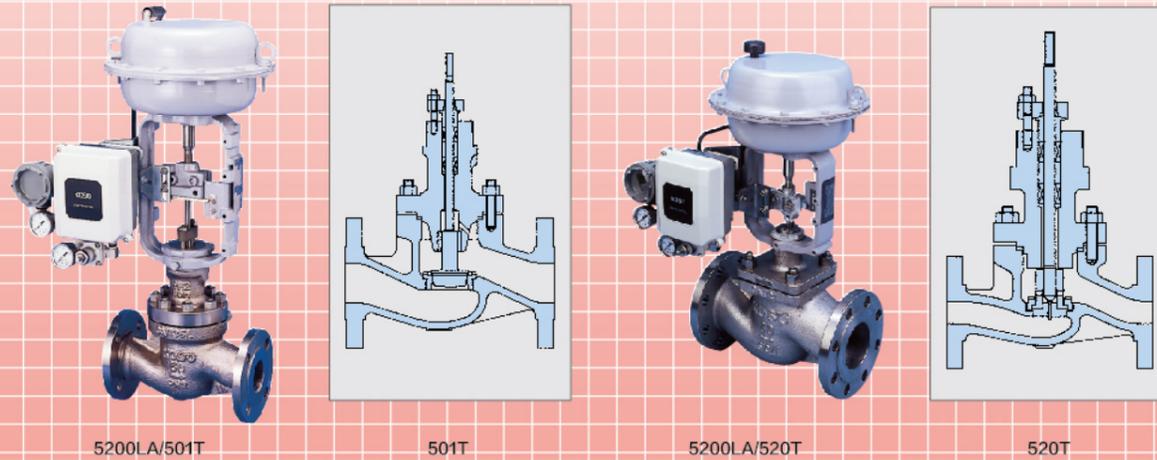
500 SERIES CONVENTIONAL GLOBE VALVES

501T: 顶部导向型单座调节阀 Top Guided Single Seat Globe Valves

520T: 小流量单座调节阀 Small Plug Single Seat Globe Valves

KOSO 顶部导向型单座调节阀具有体积小、结构简单，应用广泛的特点。适用于非空化的液体以及噪声在规定范围内的蒸汽、气体的场合。520T 适用于小流量场合的控制，特殊的设计确保阀芯不易折断。

KOSO top-guided control valves are compact and simple structured. They are usable in a broad scope of applications, including all cavitation-free liquid services as well as steam and gas services that meet noise regulations. 520T covers minimum flow applications, with its small plug specially designed not to break off.



规格: Specifications

本体形式	Body type	501T: 球阀 Globe type		520T: 球阀 Globe type	
		500A: 角阀 Angle type		—	
公称口径	Body size	1/2"(15A) ~ 8"(200A)		1/2"(15A) ~ 1"(25A)	
阀芯尺寸	Plug size	1/8"(6A) ~ 8"(200A)		1/64"(1A) ~ 1/16"(3A)	
公称压力	Body rating	ANSI Class 150 ~ 2500 • JIS 10K ~ 63K		ANSI Class 150 ~ 600 • JIS 10K ~ 40K	
流体温度	Fluid temperature	-196 ~ +538°C		-45 ~ +538°C	
连接方式	Connections	法兰型(RF, RTJ), 焊接型(SW, BW) Flanged(RF, RTJ), Butt Weld, Socket Weld			
阀体材质	Body materials	SCPH2/WCB, SCPH21/WC6, SCPL1/LCB, SCS13A/CF8, SCS14A/CF8M, etc.			
阀内件材质	Trim materials	SUS316, SUS316 + Stellite, SUS316 + TFE etc.		SUS316 + Stellite	
可调比	Rangeability	50:1 ~ 30:1		6.8 ~ 8.8	100:1
流量特性	Flow characteristics	Linear, Eq%, On-Off		Needle flow	Approximate Eq%
阀座泄漏量 Leakage	硬密封 Metal seat	额定Cv × 0.01% ANSI Class IV			
	软密封 Soft seat	微气泡级 ANSI Class VI			
执行机构	Actuator combination	5200LA: 气动薄膜式执行机构		Pneumatic Diaphragm Actuator	
		6300LB: 气动活塞式执行机构		Pneumatic Cylinder Actuator	
		3500LC, 3600LB: 全电子式执行机构		Solid State Electronic Actuator	
		3800LA: 电液式执行机构REXA		Microprocessor Actuator	

500 SERIES CONVENTIONAL GLOBE VALVES

522F: 三通分流型调节阀 3-Way Diverting Globe Valves

532F: 三通合流型调节阀 3-Way Mixing Globe Valves

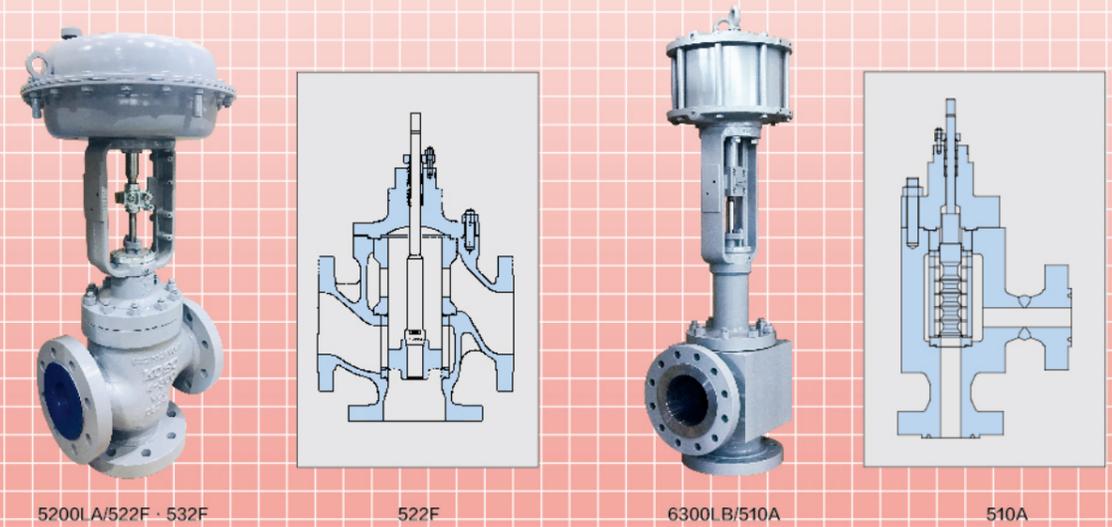
分流型三通阀是将一路流体分为两路流体；合流型三通阀是将两路流体混合成一路流体。

Diverting type that divides the flow into two directions and mixing type that converges two flows into one are available.

510A: 高压多段式阀芯型角阀 High-Pressure Multi-Step Plug Angle Valves

高压多段式阀芯型角阀适合于在极其苛刻的工况条件下对高温、高压或高压差液体的精确控制。能防止液体产生空化气蚀、减少高速流体对阀内件的冲刷、降低噪音；尤其适合于对含有杂质或固体颗粒流体的控制。由于具有使作用在阀芯上的流体压力平衡的结构，因此只须用较小的操作力便可达到稳定调节，能够承受较高的工作压差。

High-pressure multi-step plug angle valves provide smooth and accurate capacity control of high pressure drop liquids without cavitation, erosion, vibration and high noise levels compare with single seated valves. It is particularly suited for applications involving fluids with entrained particles. This series is characterized by pressure balanced type trim for very high pressure drops.



规格: Specifications

本体形式	Body type	522F • 532F		510A	
		公称口径	Body size	1"(25A) ~ 24"(600A)	
公称压力	Body rating	ANSI Class 150 ~ 600 • JIS 10K ~ 40K		ANSI Class 150 ~ 2500	
流体温度	Fluid temperature	-45 ~ +300°C		-196 ~ +538°C	
连接方式	Connections	法兰型(RF) Flanged(RF)		法兰型(RF, RTJ) Flanged(RF, RTJ) 焊接型(SW, BW) Butt Weld, Socket Weld	
阀体材质	Body materials	SCPH2/WCB, SCS13A/CF8, SCS14A/CF8M		A105, F11, F22, SUS316 etc.	
阀内件材质	Trim materials	SCS14A/CF8M, SCS24		SUS316, SUS316 + Stellite	
可调比	Rangeability	30:1		30:1 ~ 10:1	
流量特性	Flow characteristics	等百分比, 线性, 开关 Eq%, Linear, ON-Off		等百分比, 线性 Eq%, Linear	
阀座泄漏量	Seat leakage	额定Cv × 0.01% ANSI Class IV		额定Cv × 0.01% ANSI Class IV	
执行机构	Actuator combination	5200LA: 气动薄膜式执行机构		Pneumatic Diaphragm Actuator	
		6300LB: 气动活塞式执行机构		Pneumatic Cylinder Actuator	
		3500LC, 3600LB: 全电子式执行机构		Solid State Electronic Actuator	
		3800LA: 电液式执行机构REXA		Microprocessor Actuator	

500 SERIES CONVENTIONAL GLOBE VALVES

VSD: 低温铝角阀 Cryogenic Aluminum Angle Valves

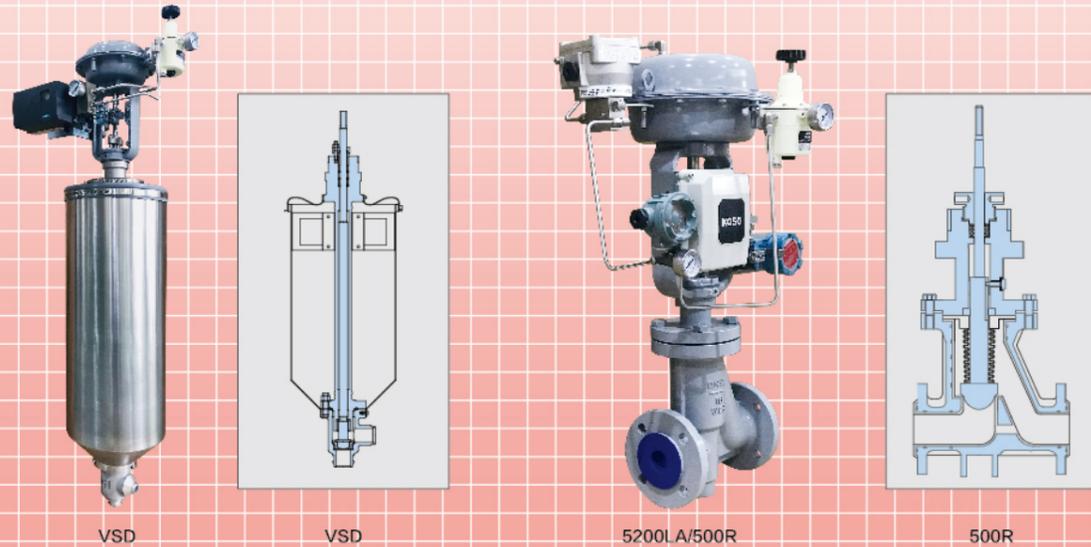
低温铝角阀是一种体积小、结构简单、适合于控制低温流体的单座调节阀。

Simple structure and compact size characterize our cryogenic aluminum angle valves. It can be used to control extremely low temperature fluids.

500R: 耐酸形调节阀 Acid Resistant Type Globe Valves

500R系列是控制硫酸、盐酸、氯气等有毒、腐蚀性流体的控制阀。本体内部接触流体部位全部用聚四氟乙烯制造，填料部分也用聚四氟乙烯波纹管完全密封。另外在聚四氟乙烯阀体外侧加金属外壳补强，坚固耐用。

This series provides globe type control valves for controlling corrosive and/or poisonous fluids. Body wetted parts are made of pure teflon and gland parts are completely sealed by bellows seal bonnet made of pure teflon. Body is covered by cast iron or stainless body cover which is resistant to shock form outside.



规格: Specifications

本体形式	Body type	VSD	500R
公称口径	Body size	3/4"(20A)~8"(200A)	1/2"(15A)~8"(200A)
公称压力	Body rating	PN16~PN40	ANSI 150#
流体温度	Fluid temperature	-196~+45°C	0~+150°C
连接方式	Connections	焊接型(BW) Weld ends(BW)	法兰式(RF) Flanged(RF)
阀体材质	Body materials	LF4	聚四氟乙烯/补强外壳: FC250, SS400, SUS304 Pure Teflon/Cover: FC250, SS400, SUS304
阀内件材质	Trim materials	SUS316, SUS316+Stellite	聚四氟乙烯 Pure Teflon
可调比	Rangeability	30:1	15:1~30:1
流量特性	Flow characteristics	等百分比, 线性 Eq%, Linear	等百分比, 线性 Eq%, Linear
阀座泄漏量	Seat leakage	额定Cv × 0.01% ANSI Class IV	微气泡级 ANSI Class VI
执行机构	Actuator combination	5200LA: 气动薄膜式执行机构 Pneumatic Diaphragm Actuator	5200LA: 气动薄膜式执行机构 Pneumatic Diaphragm Actuator 3500LC, 3600LB: 全电子式执行机构 Solid State Electronic Actuator

400 SERIES GATE VALVES

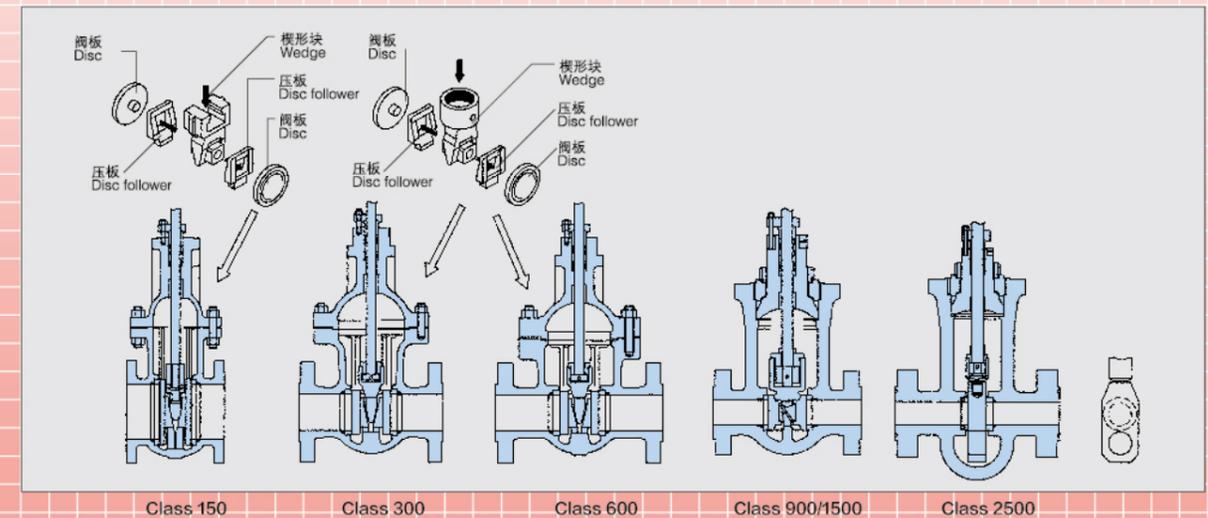
400H: 平行闸阀(PARA-SULA) Parallel Slide Valves

400H 系列平行闸阀采用 KOSO 所特有的金属接触式独特结构, 动作可靠, 具有极高的切断性能, 广泛应用于高温、高压到极低温条件下的紧急切断阀、放空阀, 具有多年实绩。

Parallel slide has KOSO' s own design/construction to realize very good and firm metal-to-metal touch sealing performance. Its excellent shut-off performance, brought about by the metal-to-metal sealing, makes it suitable to a variety of severe services, including emergency shut-off/opening at extremely low to high temperature.



6100LA/400H



规格: Specifications

公称压力	Body rating	150/300	600	900/1500	2500
公称口径	Body size	1 1/2"(40A)~54"(1350A)	1 1/2"(40A)~24"(600A)	3"(80A)~24"(600A)	3"(80A)~24"(600A)
法兰标准	Flange rating	ANSI Class 150/300 JIS 10K~30K	ANSI Class 600 JIS 40K	ANSI Class 900/1500 JIS 63K	ANSI Class 2500
流体温度	Fluid temperature	-196~+538°C			
连接方式	Connections	法兰型(RF, RTJ) 焊接型(SW, BW) Flanged(RF, RTJ), Butt Weld, Socket Weld			
阀体材质	Body materials	SCPH2/WCB, SCPH21/WC6, SCPL1/LCB, SCS13A/CF8, SCS14A/CF8M, etc.			
阀板材质	Disc materials	A105/堆焊司太莱合金, SCM435/堆焊司太莱合金, SUS304/堆焊司太莱合金, SUS316/堆焊司太莱合金			
阀座材质	Seat materials	A105/Stellited, SCM435/Stellited, SUS304/Stellited, SUS316/Stellited			
可调比	Rangeability	全腔型/15:1~20:1 V形孔型/20:1~30:1 Standard type/15:1~20:1 V-Orifice type/20:1~30:1			
流量特性	Flow characteristics	近似线性 Approximate Linear			
阀座泄漏量	Seat leakage	额定Cv × 0.000001% Rated Cv × 0.000001% ANSI Class V			
执行机构	Actuator combination	5200LA: 气动薄膜式执行机构 Pneumatic Diaphragm Actuator 6300LB: 气动活塞式执行机构 Pneumatic Cylinder Actuator 6100LA: 气动活塞式执行机构 Pneumatic Cylinder Actuator 电动执行机构(Limitorque, Rotork, Seibu, etc.) Electric Motor Actuator(Limitorque, Rotork, Seibu, etc.)			

200 SERIES SEGMENTAL BALL VALVES

210C: 同心角行程型调节阀(FLOWMAX C)

220C: Concentric Segmental Ball Valves

该系列调节阀的部分球面形阀板设有 V 形切口, 可增大调节比, 同时切断时可使阀板和密封环之间具有剪切作用。因此, 适用于要求大可调比和含纤维质、浆料类流体的控制场合。

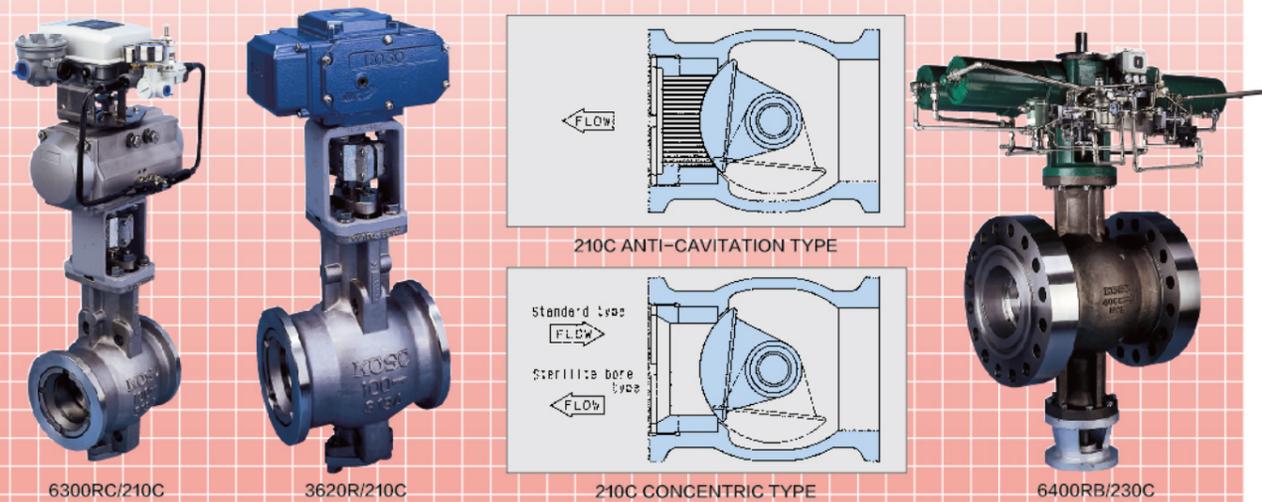
This series is concentric segmental ball valve for modulating application. V-notch cut at disc makes rangeability larger and creates shearing effect by disc and seal ring. Therefore, suitable to large rangeability service and/or control of fluids with fiber and/or slurry.

230C: 同心角行程型调节阀

Concentric Segmental Ball Valves

该系列调与 210C 的不同之处: 采用阀杆贯通流路, 顶底双填料密封方式。这样一方面可相互抵消流体对阀杆的推力, 适用于高压场合; 另一方面可消除阀杆热膨胀的影响, 适用于高温场合; 另外, 该系列的部分球面形阀板不设有 V 形切口。

This series is same as 210C series except that the stem penetrates the body and is supported by double gland packing. The stem's blow out force is set off in this construction making it suitable to heavier services such as high pressure, high temperature service because of heat expansion insulation design stem.



规格: Specifications

本体形式	Body type	210C	220C	230C
公称口径	Body size	1"(25A)~18"(450A)	1"(25A)~18"(450A)	6"(150A)~24"(600A)
公称压力	Body rating	ANSI Class 150~600 • JIS 10K~40K	ANSI Class 150~600 • JIS 10K	ANSI Class 150~1500 • JIS 20K~63K
流体温度	Fluid temperature	-45~+500°C	-45~+500°C	-45~+650°C
连接方式	Connections	对夹式 Wafer type	法兰型(RF) Flanged(RF)	法兰型(RF, RTJ) Flanged(RT,J)
阀体材质	Body materials	SCPH2/WCB, SCS13A/CF8, SCS14A/CF8M, etc.		
阀板材质	Disc materials	SCS14A		
阀板处理	Disc treatment	镀铬或堆焊司太莱合金 Chrome plated or Stellite		
密封环材质	Seal ring materials	强化聚四氟乙烯, SUS316 R.TFE, SUS316	强化聚四氟乙烯/R.TFE, SUS304, 316	
可调比	Rangeability	100:1~500:1		100:1
流量特性	Flow characteristics	近似等百分比(固有特性) Approximate Eq% (Inherent Characteristic)		
阀座泄漏量 Leakage	硬密封 Metal seat	薄板(L Type seat): 额定(Rated) Cv × 0.001% 厚板(H Type seat): 额定(Rated) Cv × 0.25%		
	软密封 Soft seat	微气泡级 ANSI Class VI		
执行机构	Actuator combination	6300RC, 6400RB, 6500RA, 7300RB: 气动活塞式执行机构 Pneumatic Cylinder Actuator 3500RC 3600RB: 全电子式执行机构 Solid State Electronic Actuator 3400RB: 电动执行机构 Electric Motor Actuator		

200 SERIES SEGMENTAL BALL VALVES

210E: 偏心角行程型调节阀(FLOWMAX E)

220E: Eccentric Segmental Ball Valves

该系列是一种阀板为部分球面的偏心角行程调节阀, 与球形调节阀相比较, 具有小型轻量、阀容量大、可调比高等特点, 并且只要通过更换密封环就能成为缩腔型(60%, 40% 缩腔)的特点。

This series is eccentric segmental ball valve for modulating application. Comparing to globe valve, body is compact, light weight, and yet it has large Cv value, large rangeability, and can be convertible to reduced bore type (60%, 40% reduce) by changing seal ring only.



规格: Specifications

本体形式	Body type	210E	220E
公称口径	Body size	1"(25A)~18"(450A)	1"(25A)~18"(450A)
公称压力	Body rating	ANSI Class 150~600 • JIS 10K~40K	ANSI Class 150~600 • JIS 10K~20K
流体温度	Fluid temperature	-45~+400°C	-45~+400°C
连接方式	Connections	对夹式 Wafer type	法兰型(RF) Flanged(RF)
阀体材质	Body materials	SCPH2/WCB, SCS13A/CF8, SCS14A/CF8M etc.	
阀板材质	Disc materials	SCS14A	
阀板处理	Disc treatment	镀铬或堆焊司太莱合金 Chrome plated or Stellite	
密封环材质	Seal ring materials	强化聚四氟乙烯, SUS316/堆焊司太莱合金, SUS630	R.TFE, SUS316/Stellite, SUS630
可调比	Rangeability	100:1	
流量特性	Flow characteristics	近似线性(固有特性) Approximate Linear (Inherent Characteristic)	
阀座泄漏量 Leakage	硬密封 Metal seat	额定Cv × 0.01%	ANSI Class IV
	软密封 Soft seat	微气泡级	ANSI Class VI
执行机构	Actuator combination	6300RC, 6500RA, 7300RB: 气动活塞式执行机构 Pneumatic Cylinder Actuator 5200RA: 气动薄膜式执行机构 Pneumatic Diaphragm Actuator 3600RB: 全电子式执行机构 Solid State Electronic Actuator	

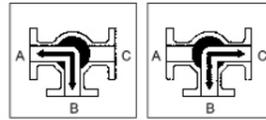
300 SERIES CONVENTIONAL BALL VALVES

301K: 直通球阀 Straight Through Ball Valves

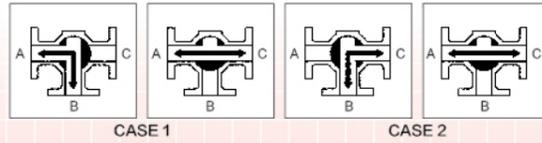
332K: 该球阀具有极优的切断性能，当全开时其流路和管路内径基本相同，流体压力损失极小，因此最适合于各种液体、气体、料浆类等流体的切断控制。

The offtake from a ball valve, when totally opened, has the same bore as the pipeline and it's fluid resistance is negligible. For this reason, this automatic valve is best suited to on-off service, controlling various types of liquid, gas and slurry.

300L: L形三通球阀 L Port 3-Way Ball Valves



300T: T形三通球阀 T Port 3-Way Ball Valves



300R: 耐酸型球阀 Acid Resistant Ball Valves

该系列阀门接触流体的部分采用了 PTFE 和 FEP，是一种超耐酸型球阀。外侧使用球墨铸铁或铸钢外壳进行补强。

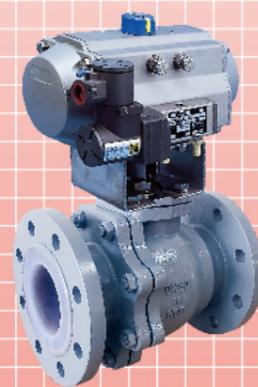
This series have PEFE or FEP wetted part. This model has excellent acid or corrosive fluid resistant. Outside of the wetted part is guarded by cast iron or stainless steel cover.



7300RB/301K



6300RC/332K



6300RC/300R

规格: Specifications

本体形式	Body type	301K	332K	300L · 300T	300R
全腔型	Full bore size	1/2"(15A)~24"(600A)	1/2"(15A)~8"(200A)	1 1/2"(40A)~12"(200A)	1/2"(15A)~10"(250A)
缩腔型	Reduced bore size	4" x 3" ~ 18" x 16"	—	6" x 4" ~ 12" x 10"	—
蒸汽夹套型	Jacketted valve size	1 1/2" x 1/2" ~ 10" x 8" x 6"	—	—	—
公称压力	Body rating	150# ~ 600# · 10K ~ 40K	150# ~ 300# · 10K ~ 20K	—	ANSI Class 150 · JIS 10K
流体温度	Fluid temperature	-45 ~ +250°C	-20 ~ +230°C	-20 ~ +200°C	-10 ~ +100°C
连接方式	Connections	法兰型(RF) Flanged(RF)			
阀体材质	Body materials	SCPH2/WCB, SCSB/CF8, SCS14A/CF8M	SCPH2/WCB, SCS14A/CF8M		FEP/WCB, CF8, CF8M
球体材质	Ball materials	SUS316/SCS14A, SCS13A 抛光/Buffering	SUS316/SCS14A 抛光/Buffering	SCS14A/CF8M 抛光/Buffering	FEP/SUS316
密封环材质	Seal ring materials	纯聚四氟乙烯, 强化聚四氟乙烯 Pure Teflon, Reinforced Teflon			
阀座泄漏量	Seat leakage	完全阻断无泄漏 Tight shut off			
执行机构	Actuator combination	6300RC, 6500RA, 7300RB: 气动活塞式执行机构 3200RA, 3300RA, 3400RB: 电动执行机构		Pneumatic Cylinder Actuator Electric Motor Actuator	

300 SERIES METAL SEATED BALL VALVES

300W: 金属密封球阀 Metal Seated Ball Valves

该系列金属密封球阀适用于高温、高压等各种场合，并能达到阀座的零泄漏。利用公司的 HVOF 设备，向球体与阀座表面喷漆硬度极高的碳化钨或碳化铬合金，具有高耐冲蚀性、高耐磨性、使用寿命长的特点。并利用 KOSO 独特的研磨技术，使阀座和球体完全密封。由于弹簧的作用，阀座始终与球体面接触，利用其自清洗的功能防止异物进入密封面。该系列球阀虽然结构简单，却最适用于浆料、粉尘等苛刻条件的场所。填料部位采用动负载的结构，可以有效的防止填料的泄露。

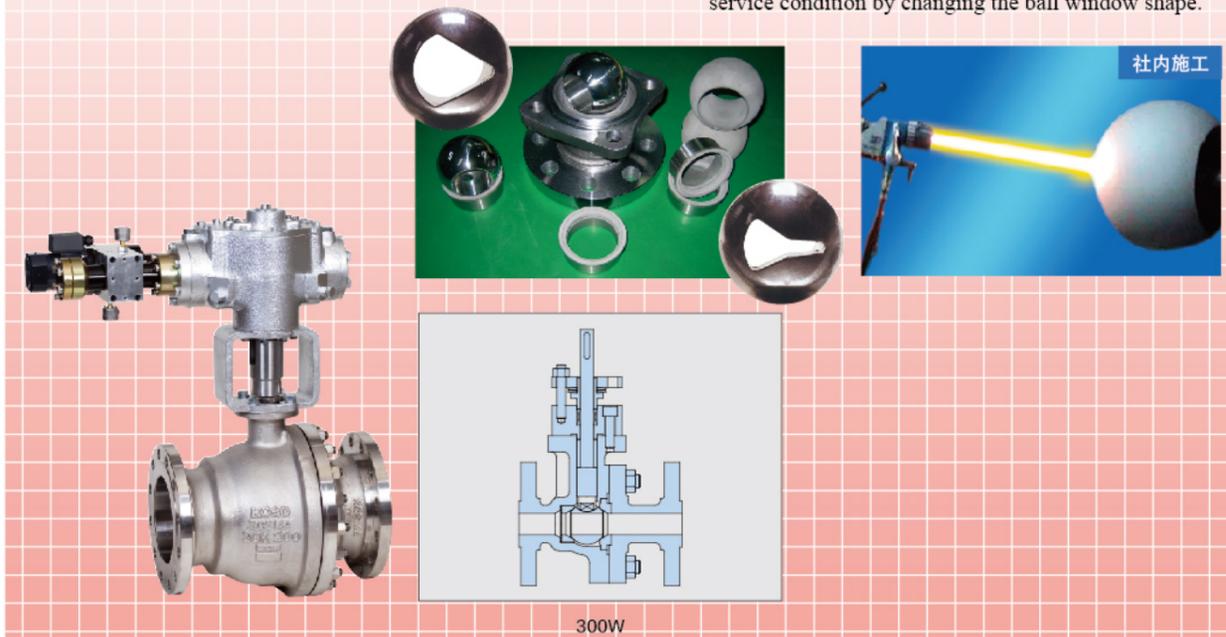
另外，通过改变球体流道的形状，阀门可选择任意的流量特性。

This series provides Zero-Leakage ball valves in several service applications with high temperature and/or high pressure. The ball and seat are hard coated with chrome carbide or tungsten carbide, which has high erosion and abrasion resistance, using KOSO-owned HVOF coating system. They are mate-lapped based on our own technique to ensure 100% sealing. Live loading also ensures zero emissions.

The ball never leaves the seat and wipes contaminants away. This self-cleaning action prevents the interference and damage from contaminants.

Therefore, this valve is suitable for the slurry service and the abrasive service.

This valve can select any flow characteristic according to the service condition by changing the ball window shape.



规格: Specifications

本体形式	Body Type	300W
公称通径 <td>Body Size</td> <td>1/2"(15A)~24"(600A)</td>	Body Size	1/2"(15A)~24"(600A)
公称压力 <td>Body Rating</td> <td>ANSI Class 150 ~ 600 / JIS 10K ~ 40K</td>	Body Rating	ANSI Class 150 ~ 600 / JIS 10K ~ 40K
流体温度 <td>Fluid Temperature</td> <td>-45 ~ 538°C</td>	Fluid Temperature	-45 ~ 538°C
连接方式 <td>Connections</td> <td>法兰型(RF) Flanged(RF)</td>	Connections	法兰型(RF) Flanged(RF)
阀体材质 <td>Body Materials</td> <td>SCPH2/WCB, SCS13A/CF8, SCS14A/CF8M, etc</td>	Body Materials	SCPH2/WCB, SCS13A/CF8, SCS14A/CF8M, etc
球体材质 <td>Ball/Seat Materials</td> <td>SUS316 / SUS410</td>	Ball/Seat Materials	SUS316 / SUS410
球体处理 <td>Ball Treatment</td> <td>碳化钨 / 碳化铬 / 自溶性合金 / 镀硬铬 Tungsten Carbide / Chrome Carbide / Self-Fluxing Alloy / Hard Chrome</td>	Ball Treatment	碳化钨 / 碳化铬 / 自溶性合金 / 镀硬铬 Tungsten Carbide / Chrome Carbide / Self-Fluxing Alloy / Hard Chrome
密封环处理 <td>Seat Treatment</td> <td>碳化钨 / 碳化铬 / 司太莱合金 Tungsten Carbide / Chrome Carbide / Stellite</td>	Seat Treatment	碳化钨 / 碳化铬 / 司太莱合金 Tungsten Carbide / Chrome Carbide / Stellite
阀座泄漏量 <td>Leakage</td> <td>金属密封 Metal seat ANSI Class V, ANSI Class VI or MSS-SP61</td>	Leakage	金属密封 Metal seat ANSI Class V, ANSI Class VI or MSS-SP61
结构 <td>Structure</td> <td>浮动球型 / 固定球型 Floating / Trunnion</td>	Structure	浮动球型 / 固定球型 Floating / Trunnion

700 SERIES HIGH PERFORMANCE BUTTERFLY VALVES

710C: 同心高性能蝶阀(PARA-SEAL C)

720C: Concentric PARA-SEAL Valves

710E: 偏心高性能蝶阀(PARA-SEAL E)

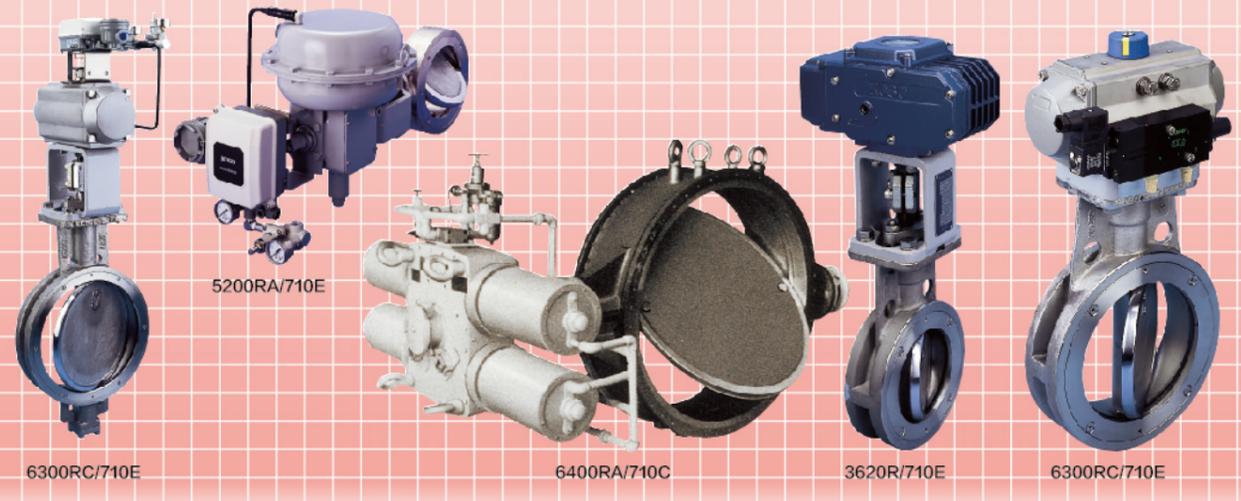
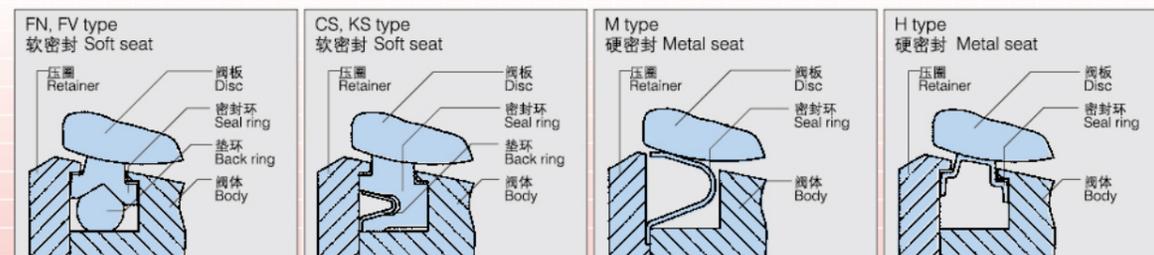
721E: Eccentric PARA-SEAL Valves

PARA-SEAL 系列高性能蝶阀的阀板与阀座具有独特的结构设计, 因此具有优良的切断性能和耐久性, 是一种用途广泛的调节阀。

This PARA-SEAL valve is high performance butterfly valve of high durability, high seating performance.

It has several different seal ring constructions suitable to various service applications.

密封环结构: Seal-ring Construction



规格: Specifications

本体形式	Body type	710E		721E		710C		720C	
公称口径	Body size	3"(80A)~24"(600A)				3"(80A)~60"(1500A)			
公称压力	Body rating	ANSI Class 150~300 • JIS 10K~20K							
流体温度	Fluid temperature	-196~+500°C				-196~+600°C			
连接方式	Connections	对夹式 Wafer type	法兰型(RF) Flanged(RF)		对夹式 Wafer type	法兰型(RF) Flanged(RF)			
阀体材质	Body materials	SCPH2/WCB, SCS13A/CF8, SCS14A/CF8M, etc.							
阀板材质	Disc materials	SCPH2/WCB, SCS13A/CF8, SCS14A/CF8M, etc.							
阀板处理	Disc treatment	镀铬或堆焊司太素合金				Chrome plated or Stellite			
可调比	Rangeability	60度开度 60° Opning/25:1		90度开度 90° Opning/50:1					
流量特性	Flow characteristics	近似等百分比(固有特性) Approximate Eq% (Inherent Characteristic)							
密封形式	Seal ring type	FN	FV	CS	KS	M	H		
密封环材质	Seal ring materials	强化聚四氟乙烯 R. TFE		Kel-F		SUS316		SUS316, 630	
垫环材质	Back ring materials	NBR	VITON	SUS316		SUS316			
阀座泄漏量	Seat Leakage	微气泡级	ANSI Class VI	额定Cv×0.00001% Rated Cv×0.00001%		Rated Cv×0.01~0.00001%			
执行机构	Actuator combination	6300RC, 6400RB, 6500RA, 7300RB: 气动活塞式执行机构				Pneumatic Cylinder Actuator			
		3500RC, 3600RB: 全电子式执行机构				Solid State Electronic Actuator			
		5200RA: 气动薄膜式执行机构				Pneumatic Diaphragm Actuator			

700 SERIES HIGH PERFORMANCE BUTTERFLY VALVES

740E: 高性能低温铝蝶阀

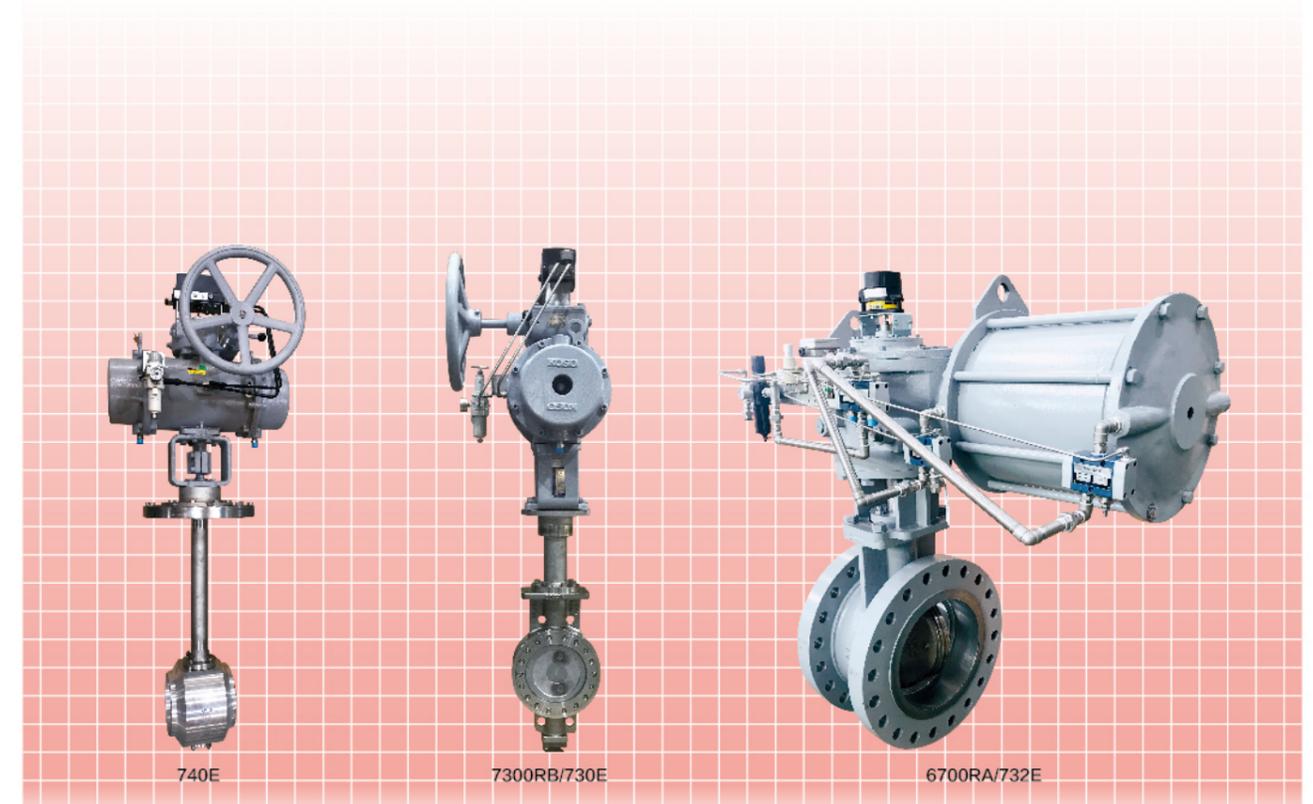
High Performance Cryogenic Aluminum Butterfly Valves

730E: 三偏心高性能蝶阀

732E: Triple Offset High Performance Butterfly Valves

732E 为独特的三偏心密封结构设计, 可完全消除阀门在 90° 行程内, 阀座密封面产生的摩擦及擦伤, 并依靠阀座产生的作用扭矩, 使阀座实现双向紧密密封性能。

732E features a unique triple offset geometry sealing mechanism, which can completely eliminate rubbing galling generated at the sealing surface throughout the valve's 90 degree rotation and provide bi-directional high shut-off performance by torque seating action.



规格: Specifications

本体形式	Body type	730E		732E		740E	
公称口径	Body size	3"(80A)~60"(1500A)		3"(80A)~96"(2400A)		3"(80A)~40"(1000A)	
公称压力	Body rating	ANSI Class 150~600					
流体温度	Fluid temperature	-196~+500°C					
连接方式	Connections	对夹式 Wafer type	法兰型(RF) Flanged(RF)		焊接型(BW) Weld ends(BW)		
阀体材质	Body materials	SCPH2/WCB, SCS13A/CF8, SCS14A/CF8M etc.				LF4	
阀板材质	Disc materials	SCPH2/WCB, SCS13A/CF8, SCS14A/CF8M etc.				SUS304, SUS316	
阀板处理	Disc treatment	镀铬或堆焊司太素合金 Chrome plated or Stellite					
可调比	Rangeability	60度开度 60° Opning/25:1		90度开度 90° Opning/50:1		30:1	
流量特性	Flow characteristics	近似等百分比(固有特性) Approximate Eq% (Inherent Characteristic)					
密封环材质	Seal ring materials	SUS316+Graphite, SUS316, SUS630/PH					
阀座泄漏量	Seat Leakage	ANSI Class V, VI				ANSI Class IV	
执行机构	Actuator combination	6300RC, 6400RB, 6500RA, 7300RB: 气动活塞式执行机构		Pneumatic Cylinder Actuator		Pneumatic Diaphragm Actuator	
		3500RC, 3600RB: 全电子式执行机构		Solid State Electronic Actuator		Solid State Electronic Actuator	
		5200RA: 气动薄膜式执行机构		Pneumatic Diaphragm Actuator		Pneumatic Diaphragm Actuator	

600 SERIES CONVENTIONAL BUTTERFLY VALVES

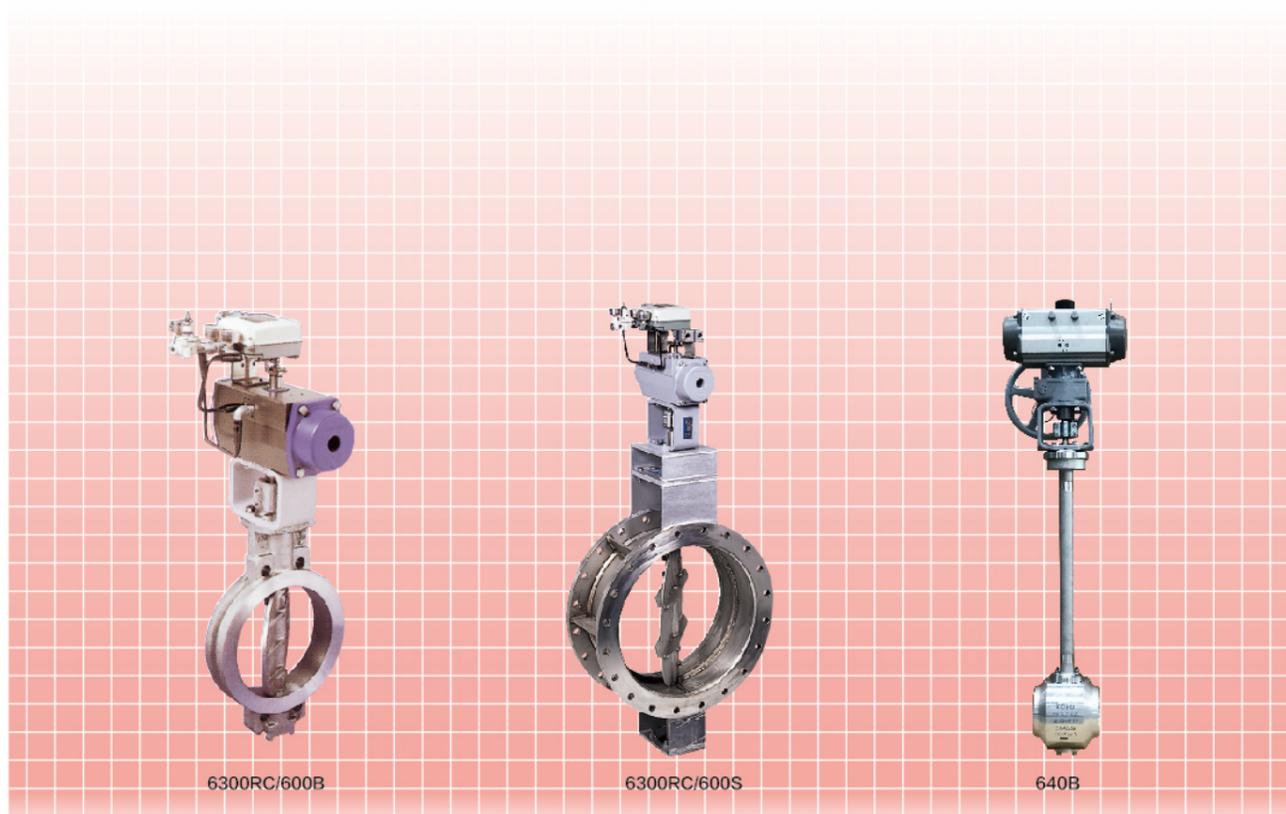
600B: 蝶阀/铸造型阀体 Butterfly Valves/Casting Body type

600S: 蝶阀/钢板阀体 Butterfly Valves/Fabricated Body type

640B: 低温铝蝶阀 Cryogenic Aluminum Butterfly Valves

该系列是一种体积小、结构简单、适合于控制低温流体的低温铝蝶阀。

Simple structure and compact size characterize our cryogenic aluminum butterfly valve. It can be used to control extremely low temperature fluids.



规格: Specifications

本体形式	Body type	600B	600S	640B
公称口径	Body size	3"(80A)~60"(1500A)	3"(80A)~160"(4000A)	3"(80A)~40"(1000A)
公称压力	Body rating	ANSI Class 150~900 • JIS 5K~63K	ANSI Class 125 • JIS 2K~10K	ANSI Class 150
流体温度	Fluid temperature	-45~+600°C		-196~ -45°C
连接方式	Connections	对夹式 Wafer type	法兰型(RF) Flanged(RF)	焊接型(BW) Weld ends(BW)
阀体材质	Body materials	SCPH2/WCB, SCS13A/CF8, SCS14A/CF8M etc.	SS400, SUS304, SUS316 etc.	LF4
阀板材质	Disc materials	SS400, SUS304, SUS316 etc.		SUS304, SUS316
可调比	Rangeability	60度开度 60° Opening/15:1	90度开度 90° Opening/30:1	30:1
流量特性	Flow characteristics	近似等百分比(固有特性) Approximate Eq%(Inherent Characteristics)		
密封环材质	Seal ring materials	—	—	—
阀座泄漏量	Seat Leakage	标准型 Standard 90° Cv×2.5~0.5%	90° Cv×5.0~1.5%	90° Cv×2.5~0.5%
		15° 密封型 15° seal —	90° Cv×0.5~0.2%	—
		后座型 Back seat —	90° Cv×2.0~1.0%	—
执行机构	Actuator combinations	6300RC, 6500RA, 7300RB: 气动活塞式执行机构 Pneumatic Cylinder Actuator		3500RC, 3600RB: 全电子式执行机构 Solid State Electronic Actuator
		5200RA: 气动薄膜式执行机构 Pneumatic Diaphragm Actuator		

600 SERIES CONVENTIONAL BUTTERFLY VALVES

620S: 三偏心密封蝶阀 Triple Offset Butterfly Valves

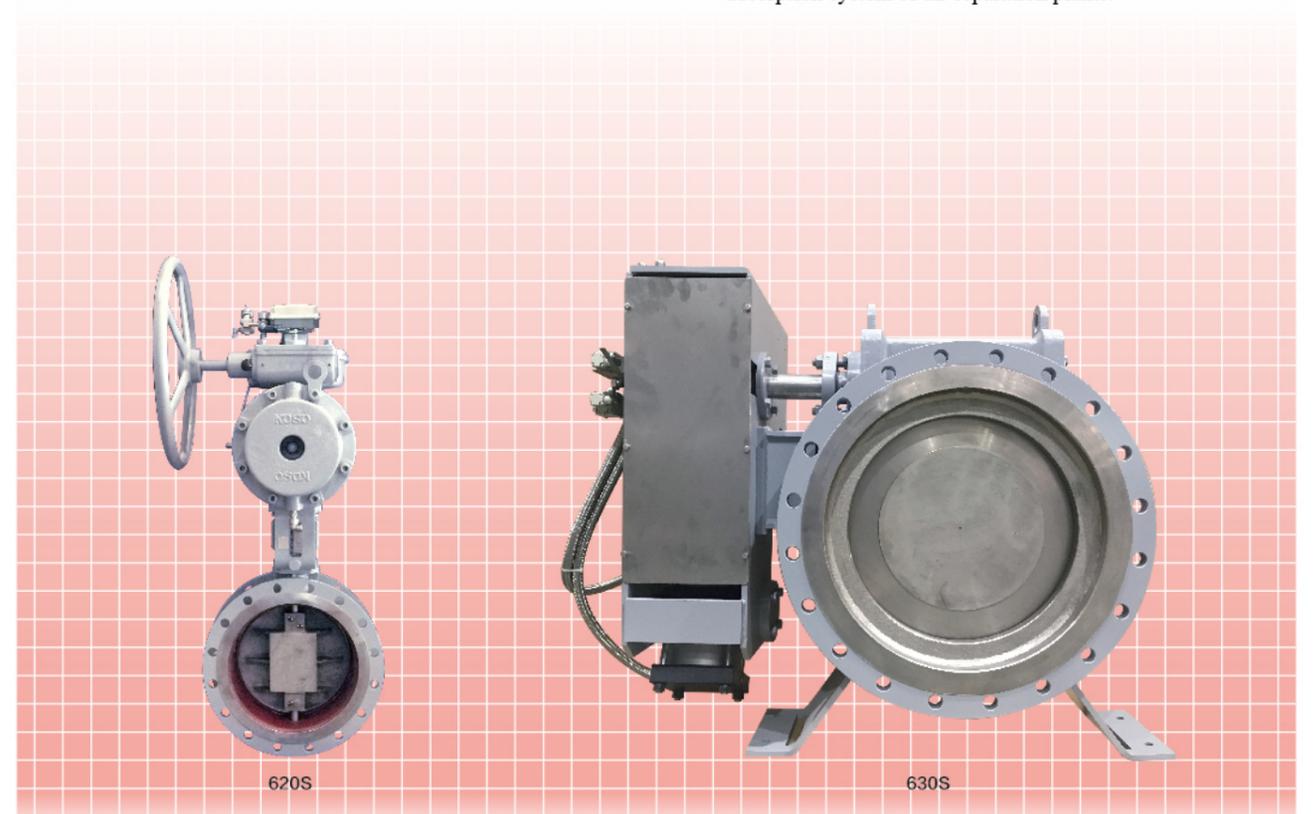
620S 系列的阀体、阀板均用钢板焊接,是一种重量轻、结构合理的三偏心蝶阀。适用于低压状态空气及其他气体的流量、压力控制,此外也适用于高温状态的气体。

The valve body and disc of the 620S series butterfly valves are made of machined steel plates. This allows light and proper construction. Typical application are flow/pressure controls of low-pressure air and gas. High temperature fluid at low pressure levels can also be accommodated inexpensively and easily.

630S: 三杆阀 Three Lever Valves

三杆阀主要用于空气分离装置分子筛吸附系统中。

Three Lever valve are mainly used in the molecular sieve adsorption system of air separation plants.



规格: Specifications

本体形式	Body type	620S	630S
公称口径	Body size	3"(80A)~160"(4000A)	16"(400A)~64"(1600A)
公称压力	Body rating	ANSI Class 150	
流体温度	Fluid temperature	-45~+600°C	-45~+300°C
连接方式	Connections	法兰式 Flanged	
阀体材质	Body materials	SS41, SUS304, SUS316 etc.	SS400, SUS304
阀板材质	Disc materials	SS41, SUS304, SUS316 etc.	SS400, SUS304
可调比	Rangeability	50:1	
流量特性	Flow characteristics	近似等百分比(固有特性) Approximate Eq%(Inherent Characteristics)	开关型 ON-OFF
密封环材质	Seal ring materials	SS41, SUS304, SUS316	Aramid Fiber
阀座泄漏量	Seat Leakage	ANSI Class V	
执行机构	Actuator combinations	6300RC, 6500RA, 7300RB: 气动活塞式执行机构 Pneumatic Cylinder Actuator	3500RC, 3600RB: 全电子式执行机构 Solid State Electronic Actuator
		5200RA: 气动薄膜式执行机构 Pneumatic Diaphragm Actuator	

执行机构制造范围

KOSO ACTUATOR RANGES

直行程执行机构 Linear Stem Motion type Actuators

形式 Type	Series Code	输出力 Output(N)					
		1x10 ³	3x10 ³	5x10 ³	1x10 ⁴	3x10 ⁴	5x10 ⁴
电动式 Motorized	AC Motor	3400LA	16,000				
全电子式 Solid State Electronic	DC Motor	3500LC	9,800				
	AC Motor	3600LB	16,000				
电液式 Microprocessor controlled Digital or Analog	Step Motor	3800LA	533,787				
电液式 Electro-Hydraulic Actuators	AC Motor	4800LA	140,000				
气动薄膜式 Pneumatic Diaphragm	Multi Spring	5200LA	16,475				
		5300LA	15,200				
气动活塞式双动作型 Pneumatic Double Cylinder	1-Piston	6100LA	106,820				
	2-Piston	6200LA	213,640				
	1-Piston	6300LB	129,850				
气动活塞式单动作型 Pneumatic Spring Cylinder	1-Piston	6300LA	30,576				
油压式·双动作型 Hydraulic Double Cylinder	1-Piston	9000LA	539,000				

角行程执行机构 Rotary Stem Motion type Actuators

形式 Type	Series Code	输出力矩 Output(N·m)								
		50	100	300	500	1x10 ³	3x10 ³	5x10 ³	1x10 ⁴	
电动式 Motorized	AC Motor	3200RA	49							
	AC Motor	3300RA	49							
	AC Motor	3400RA	1,600							
全电子式 Solid State Electronic	DC Motor	3500RC	588							
	AC Motor	3600RB	1,600							
电液式 Microprocessor controlled Digital or Analog	Step Motor	3800RA	45,194							
电液式 Electro-Hydraulic Actuators	AC Motor	4800RA	20,000							
气动薄膜式 Pneumatic Diaphragm	Multi Spring	5200RA	558							
气动活塞式双动作型 Pneumatic Double Cylinder	Large Torque	6700RA	106,086							
		6400RB	20,500							
	Middle Torque	6500RA	7,500							
		7300RB	6,987							
	Small Torque	6300RC	2,594							
气动活塞式单动作型 Pneumatic Spring Cylinder	2-Step Action	7900RA	2,960							
	Large Torque	6700RA	20,635							
	Middle Torque	6500RA	4,413							
	7300RB	2,232								
	Small Torque	6300RC	1,091							
	2-Step Action	7900RC	995							
油压式·双动作型 Hydraulic Double Cylinder	1-Piston	9000RA	98,000							

*如需选用其它公司的执行机构请与我公司联系。
Other makers' actuators may be selected and mounted on KOSO valves on our own responsibility.

3000 SERIES ELECTRIC CONTROL MOTOR ACTUATORS

3200: 电动式执行机构 Motorized Actuators

3300:

3400:

3400 系列作为两位式开关作用, 具有与 3600 系列相同的高可靠性的机构构造。由于电位器的高灵敏度, 在简单的控制场合, 具有较高的性价比。

For two position (ON-OFF) operation, the 3400 series utilizes the same high reliability mechanical components as found in the 3600. Since a potentiometer can be attached for position sensing, this series will be cost-effective for simplified instrumentation.

3500: 全电子式执行机构 Solid State Electronic Actuators

3600:

3500: 分辨率 Resolution 0.1~0.3%/无刷直流电机 Brushless DC Motor Driven

3600: 分辨率 Resolution 0.4~0.8%/交流可逆电机 AC Reversible Motor Driven

该系列通过接收 (4~20mA DC) 信号, 来控制电机, 从而实现控制调节阀的目的。请根据电机的形式, 选择 3500 系列和 3600 系列。

In this Series, actuators receive signals (DC4~20mA) and drive motors by solid state controllers to control valves.



3200RA



3500RC



3500LC

规格: Specifications

形式 Type	Type	直行程式 Linear Stem Motion Type			角行程式 Rotary Stem Motion Type			
		3400L	3500LC	3600L	3200RA 3300RA	3400R	3500RC	3600R
最大输出力	Max. output	16000 N	9800 N	16000 N	49 N·m	1600 N·m	588 N·m	1600 N·m
供给电压	Power source	AC 100V 50/60Hz		AC 220V 50Hz	AC 100V 50/60Hz AC 220V 50Hz			
最大行程/回转角度	Max. stroke/angle	100 mm			90°			
输入信号	Control signal	4~20mA DC			正反切换接点信号 SW. signal 4~20 mA DC			
允许环境温度	Environment temp.	-10~+60°C			-10~+60°C			
电源接口	Conduit	G1/2		G1/2	G1/2, Size D: G3/4			
防护等级	Enclosure type	室外防水型, 耐压防爆型 Weather, Explosion Proof			3200RA/3300RA: 仅有室外防水型 Weather Proof Only			
选购设备	Options	3200: 附加限位开关, 内置加热器 Sub-Limit Switch, Space heater 3300, 3400: 附加限位开关, 内置加热器, 电位器, 手动操作机构 Sub-Limit Switch, Space heater, Potentiometer, Manual handle 3500: 分程控制, 开度发送器(4~20mA DC), 接线盒, 手动操作机构, 内置加热器 Split range, Position transmitter, Junction box, Manual handle, Space heater 3620: 扭矩开关, 电位器, 接线盒, 手动操作机构, 内置加热器 Torque Switch, Potentiometer, Junction box, Manual handle, Space heater						

3800 SERIES ELECTRO-HYDRAULIC ACTUATORS

3800: **REXA** 智能型电液式执行机构 Microprocessor Controlled Actuators

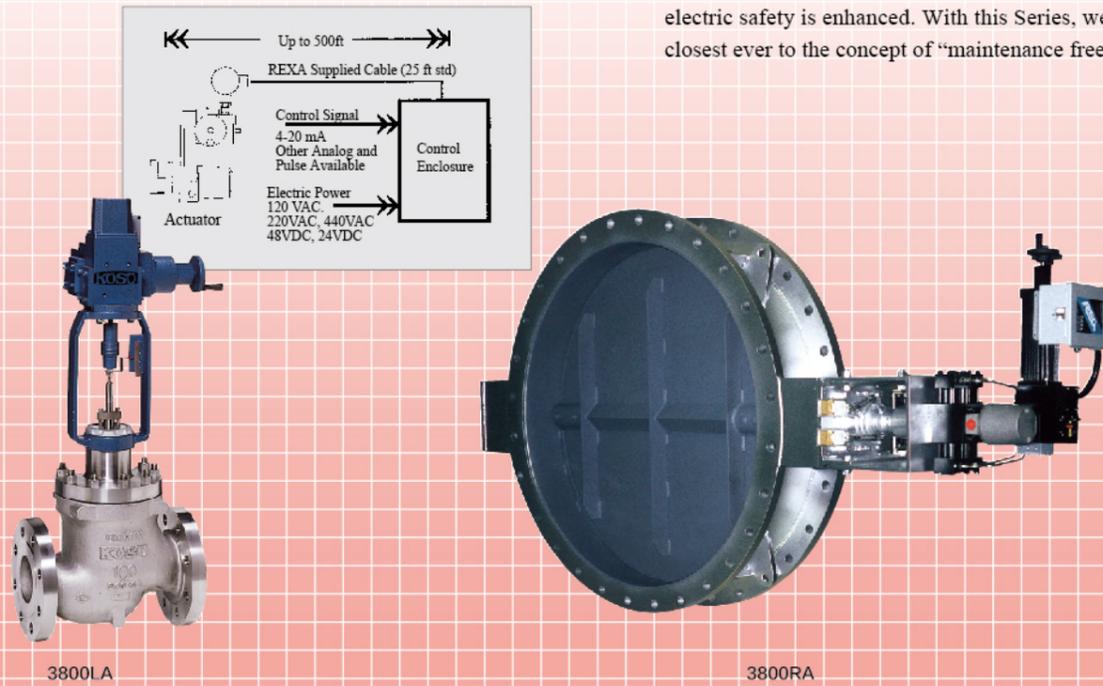
HIGH POWER-HIGH SPEED-HIGH PERFORMANCE ACTUATOR

该系列是着眼于二十一世纪控制方式的智能型现场总线控制执行机构。它应用计算机技术，发挥电气高速、油压输出力大的特点，是一种多功能电-液混合式的智能型执行机构。

主要部分由步进电机、可逆式齿轮泵、电子回路组成。利用直接数字信号来控制独创的油压流量配给系统，从而实现了高速、高精度、超长时间的稳定运行。弹簧复位可以提供故障安全保护措施，可选择第二套备用油压回路增加冗余性，从而几乎可以做到零维护。

This Series represents intelligent digital actuators targeting the control method of the next generation. They are process control devices of multi-function hybrid structure incorporating computer functions to fully utilize advantages of both electric and hydraulic types, ie., high speed and large output.

Major components are digital motor, gear pump and electronic circuit. Unique hydraulic Flow Match System (pat-ented) controlled by direct digital signals secures stabilized high speed response and high accuracy action. Fail safe upon power loss. Furthermore, with two kinds of power modules that have redundancy and high power, electric safety is enhanced. With this Series, we have come closest ever to the concept of "maintenance free."



规格: Specifications

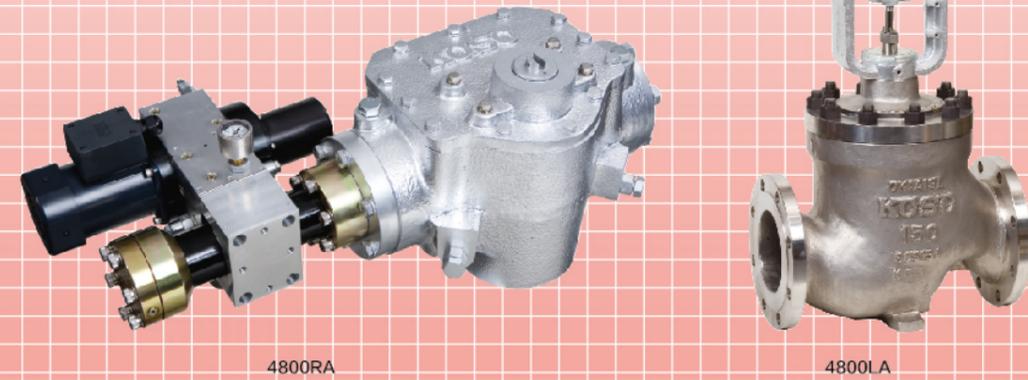
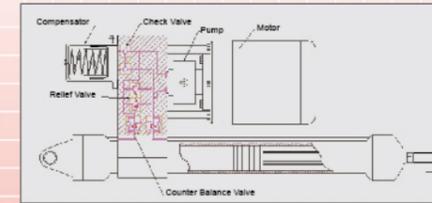
形式	Type	直行程型	角行程型	曲柄式
		Linear Stem Motion Type	Rotary Stem Motion Type	Crank Arm Motion Type
		3800LA	3800RA	3800DA
最大输出	Max. output	533787 N	11300 N · m	11300 N · m
供给电压	Power source	AC100V 50/60 Hz / Options: AC120V, AC220V, AC440V, DC48V, DC24V		
最大行程/回转角度	Max. stroke/angle	550mm	90°	
输入信号	Control signal	4 ~ 20mA DC, Direct-digital, Pulse, Two position, Manual(up/down push-button)		
允许环境温度	Environment temp.	Actuator: -30 ~ +70°C (Options: +93°C) / CONTROL ENCLOSURE: -40 ~ +60°C		
死区	Deadband	0.05% (minimum)	Selectable at the PCP between 0.05% and 5.0% of calibrated signal span	
精度	Positioning accuracy	<0.15% of full stroke		
线性	Linearity	<0.05% of full stroke		
回差	Repeatability	<0.10% of full stroke		
防护结构	Enclosure type	NEMA 4 × (STD), FM approved Class 1, Div.2, Groups A, B, C & D and NEMA 4 ×		
选购设备	Options	弹簧复位, 阀位变送器, 限位开关, 手动操作机构 Spring return type, Position Transmitter, Limit Switches, Manual Override.		

4800 SERIES ELECTRO-HYDRAULIC ACTUATORS

4800: **M-mac** 电液执行机构 Electro-Hydraulic Actuators

M-Mac 系列电液执行机构有效结合了液压执行机构的动力、固态电子式执行机构的可靠性以及用户可配置控制方式的灵活性。独立的一体化、紧凑型液压系统提供了更有效的动力输出。安装方便、电源适用范围广。M-Mac 系列执行机构控制精度高且不受负载变化的影响。马达到位后自动停转，能耗更低。专用控制器允许用户设定控制参数。

M-MAC Series is the electro-hydraulic actuator which combines the power of hydraulics, the reliability of solid state electronics and the flexibility of user configured control. It is a compact design, and all the major components of a hydraulic system are packaged with a stand alone modular actuator, which provides excellent cost performance. Simply install, then hook up to the appropriate electric power source. M-MAC series allow precise positioning independent of load variation. The motor only operates when motion is required. And it achieves the low power consumption. The dedicated controller allows the user to set actuator operation parameters.



规格: Specifications

形式	Type	直行程型	角行程型	曲柄式
		Linear Stem Motion Type	Rotary Stem Motion Type	Crank Arm Motion Type
		4800LA	4800RA	4800DA
最大输出	Max. output	140,000 N	20,000 N · m	20,000 N · m
供给电压	Power source	AC100, 200V 50/60 Hz / Options: AC120V, AC220V, AC380V, AC440V		
最大行程/回转角度	Max. stroke/angle	150mm	90°	
输入信号	Control signal	4 ~ 20mA DC, Direct-digital, Two position, Manual(up/down push-button)		
允许环境温度	Environment temp.	Actuator: -10 ~ +60°C / CONTROL ENCLOSURE: -10 ~ +50°C		
精度	Positioning accuracy	<0.1% of full stroke		
防护结构	Enclosure type	室外防水型, 耐压防爆型 Weather, Explosion Proof		
选购设备	Options	弹簧复位, 手泵, 蓄能器 Spring return type, Manual Handpump, Accumulator		

5000 SERIES PNEUMATIC DIAPHRAGM ACTUATORS

5200: 气动薄膜式执行机构

5300: Pneumatic Diaphragm Actuators

该系列是一种采用多弹簧结构，重量轻、体积小、性能高、输出力大的气动薄膜式执行机构。其工作原理为：由调节仪表来的电或气信号经定位器转换而成的气压被输入到膜室内，作用于膜片上产生推力，使输出轴移动，同时压缩弹簧直至和弹簧的反作用力相平衡，使输出轴到达预定的位置。位置控制也可以通过气信号 (20~100kPa) 直接作用于膜片上来实现。

该执行机构如与 KOSO 公司的定位器配合使用可以实现高精度的位置控制。

This Series provides high performance, high power diaphragm actuators of multi-spring type that are compact and light. Receiving pneumatic or electric signals, the unit balances the force created when diaphragm is air-pressured through positioner and the force of compressed spring, so that the output shaft is controlled and placed at a set position. Control of position by pneumatic signals (20~100kPa) directly applied on diaphragm is also possible. Combination with KOSO positioner provides high accuracy position control.



规格 : Specifications

形式	Type	直行程式 Linear Stem Motion Type								角行程式 Rotary Stem Motion Type			
		5221LA	5227LA	5235LA	524SLA 524LLA	526SLA 526LLA	532SLA 532LLA	533SLA 533LLA	534SLA 534MLA 534LLA	5221RA	5227RA	5235RA	524LRA
执行机构尺寸	Actuator size	218	270	350	450	650	270	350	450	218	270	350	450
最大输出力	N	2185	3648	4315	7453	16475	4800	8800	15200	—	—	—	—
	N·m	—	—	—	—	—	—	—	—	46.4	116.2	183.2	553.7
供气压力	Air supply kPa	140, 300, 340	140, 300	300	400	300, 340	300	—	—	—	—	—	
弹簧范围	Spring range kPa	20~100, 80~200, 120~300	20~100, 80~200	80~200	80~240, 160~320	80~200, 120~300	80~200	—	—	—	—	—	
最大行程/回转角度	Max. stroke/angle	20mm	30mm	40mm	80mm	110mm	40mm	60mm	120mm	60°			
动作	Action	正作用(DA), 反作用(RA) Direct Action or Reverse Action											
允许环境温度	Environment temp.	标准型: -10~+70℃, 低温型: -40~+40℃, 高温型: 0~+100℃ Standard type: -10~+70℃, Low temp.service: -40~+40℃, High Temp.service: 0~+100℃											
选购设备	Options	手动操作机构, 限位开关, 定位器, 过滤减压阀等 Manual handle, Limit SW, Positioner, Air-set etc.											

6000 SERIES PNEUMATIC CYLINDER ACTUATORS

直行程型
Linear Stem Motion type

6100LA: 气动活塞式执行机构 Pneumatic Cylinder Actuators

6200LA: 6100LA: 单活塞式 1 Piston type 6200LA: 双活塞式 2 Piston type

执行机构与阀杆一体式

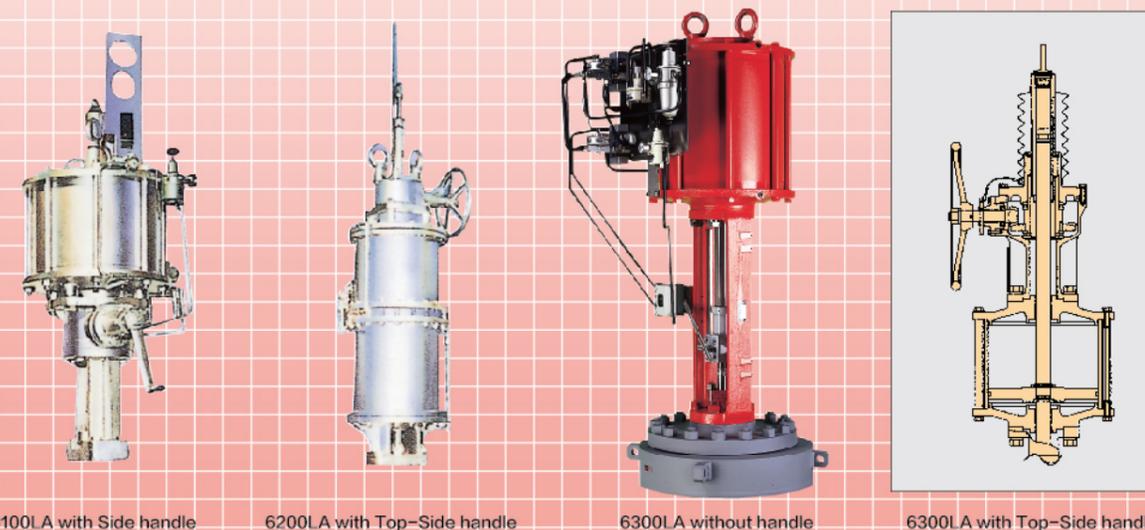
Valve stem and actuator output shaft connection is inside the cylinder.

6300LA: 气动活塞式执行机构 Pneumatic Cylinder Actuators

6300LB: 6300LA/6300LB: 单活塞式 1 Piston type

执行机构与阀杆分离式

Valve stem and actuator output shaft connection is outside the cylinder (in Yoke).



规格 : Specifications

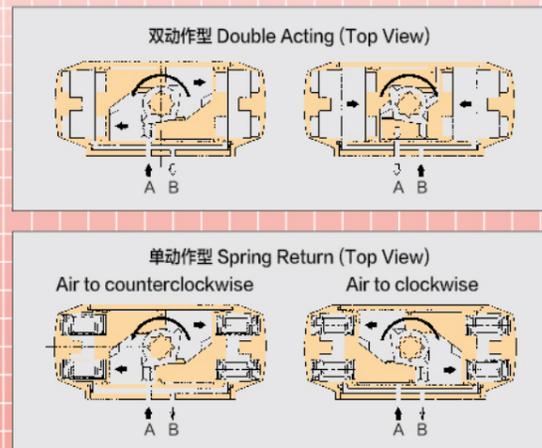
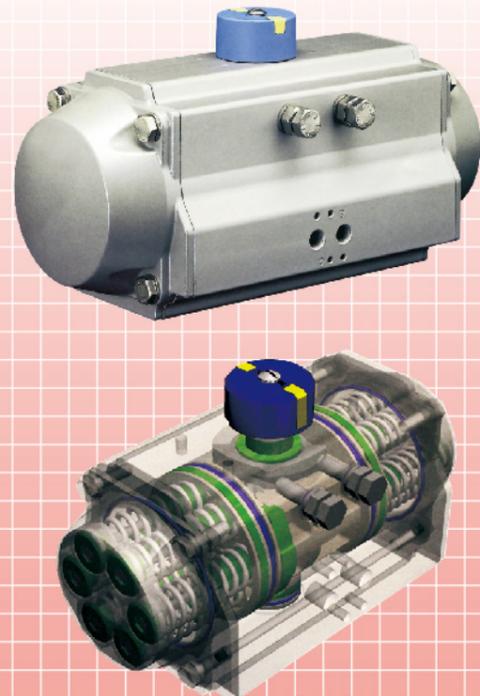
形式	Type code	双动作型 Double Acting type								
		6110LA	6116LA	6128LA	6136LA	6141LA	6154LA	6254LA	6180LA	6111LA
尺寸	Size	100	160	280	360	415	540	540×2	800	1000
输出力	Output N at 500kPa	3430	9310	29890	45570	62220	106820	213640	238000	439000
最大行程	Max. stroke mm	60	210	310	610	810	810	1360	1360	1360
形式	Type code	双动作型 Double Acting type					单动作型 Spring Return type			
		6315LB	6320LB	6330LB	6345LB	6360LB	6330LA	6345LA	6360LA	
尺寸	Size	150	200	300	450	600	300	450	600	
输出力	Output N at 500kPa	7938	14308	32242	73010	129850	7644	17248	30576	
最大行程	Max. stroke mm	210	210	210	410	410	210	210	210	
供气压力	Air supply	双动作 Double Acting: 300~500 kPa 单动作 Spring Return: 500 kPa								
动作	Action	正作用(DA), 反作用(RA) Direct Action or Reverse Action								
允许环境温度	Environment temp.	标准型: -20~+60℃, 低温型: -50~+60℃, 高温型: 0~+100℃ Standard type: -20~+60℃, Low temp.service: -50~+60℃, High Temp.service: 0~+100℃								
选购设备	Options	手动操作机构, 限位开关, 定位器, 过滤减压阀, 调速器等 Manual handwheel, Limit Switch, Positioner, Air-set, Speed controller etc.								

6000 SERIES PNEUMATIC CYLINDER ACTUATORS

角行程型
Rotary Stem Motion type

6300RC: 气动活塞式执行机构 Pneumatic Cylinder Actuators

小力矩气缸	Small Torque Cylinder
双气缸齿轮齿条式气动执行机构	2 Piston Rack & Pinion Pneumatic Actuator
输出轴回转角度/90°或60°	Output Shaft Rotating angle/90° or 60°



规格: Specifications

6300RC		双动作型 Double Acting type											
形式	Type code	63D1RC	63D2RC	63DARC	63D3RC	63DBRC	63D4RC	63DCRC	63D5RC	63DDRC	63D6RC	63DERC	63D7RC
尺寸	Size	AT100	AT200	AT250	AT300	AT350	AT400	AT450	AT500	AT550	AT600	AT650	AT700
输出力矩	Output N·m at 500kPa	29.3	58.2	91.5	133	215	277	435	567	766	1064	1787	2594
6300RC		单动作型 Spring Return type											
形式	Type code	63D1RC	63D2RC	63DARC	63D3RC	63DBRC	63D4RC	63DCRC	63D5RC	63DDRC	63D6RC	63DERC	63D7RC
尺寸	Size	AT100	AT200	AT250	AT300	AT350	AT400	AT450	AT500	AT550	AT600	AT650	AT700
输出力矩	Output N·m at 500kPa	11.1	22.1	36.7	50.7	82	105	165	224	292	425	721	992
供给气压	Air supply	双动作 Double Acting: 300~500 kPa 单动作 Spring Return: 300, 400, 500 kPa											
动作	Action	正作用(DA), 反作用(RA) Direct Action or Reverse Action											
允许环境温度	Environment temp.	标准型: -20~+60°C, 低温型: -50~+60°C, 高温型: 0~+100°C Standard type: -20~+60°C, Low temp.service: -50~+60°C, High Temp.service: 0~+100°C											
选购设备	Options	手动操作机构, 限位开关, 定位器, 过滤减压阀, 调速器, 锁止阀, 电磁阀等 Manual handwheel, Limit Switch, Positioner, Air-set, Speed controller, Lock Valve, Lock up Valve, Solenoid Valve etc.											

6000, 7000 SERIES PNEUMATIC CYLINDER ACTUATORS

角行程型
Rotary Stem Motion type

7300RB: 气动活塞式执行机构 Pneumatic Cylinder Actuators

中等力矩气缸	Middle Torque Cylinder
双气缸齿轮齿条式气动执行机构	2 Piston Rack & Pinion Pneumatic Actuator
输出轴回转角度/90°或60°	Output Shaft Rotating angle/90° or 60°

6500RA: 气动活塞式执行机构 Pneumatic Cylinder Actuators

中等力矩气缸	Middle Torque Cylinder
双气缸拨叉式气动执行机构	2 Piston Scotch Yoke type Pneumatic Actuator
输出轴回转角度/90°或60°	Output Shaft Rotating angle/90° or 60°

6400RB: 气动活塞式执行机构 Pneumatic Cylinder Actuators

大力矩气缸	Large Torque Cylinder
4气缸拨叉式气动执行机构	4 Piston Scotch Yoke type Pneumatic Actuator
输出轴回转角度/90°或60°	Output Shaft Rotating angle/90° or 60°

6700RA: 气动活塞式执行机构 Pneumatic Cylinder Actuators

大力矩气缸	Large Torque Cylinder
单/双气缸拨叉式气动执行机构	1&2 Piston Scotch Yoke type Pneumatic Actuator
输出轴回转角度/90°或60°	Output Shaft Rotating angle/90° or 60°



规格: Specifications

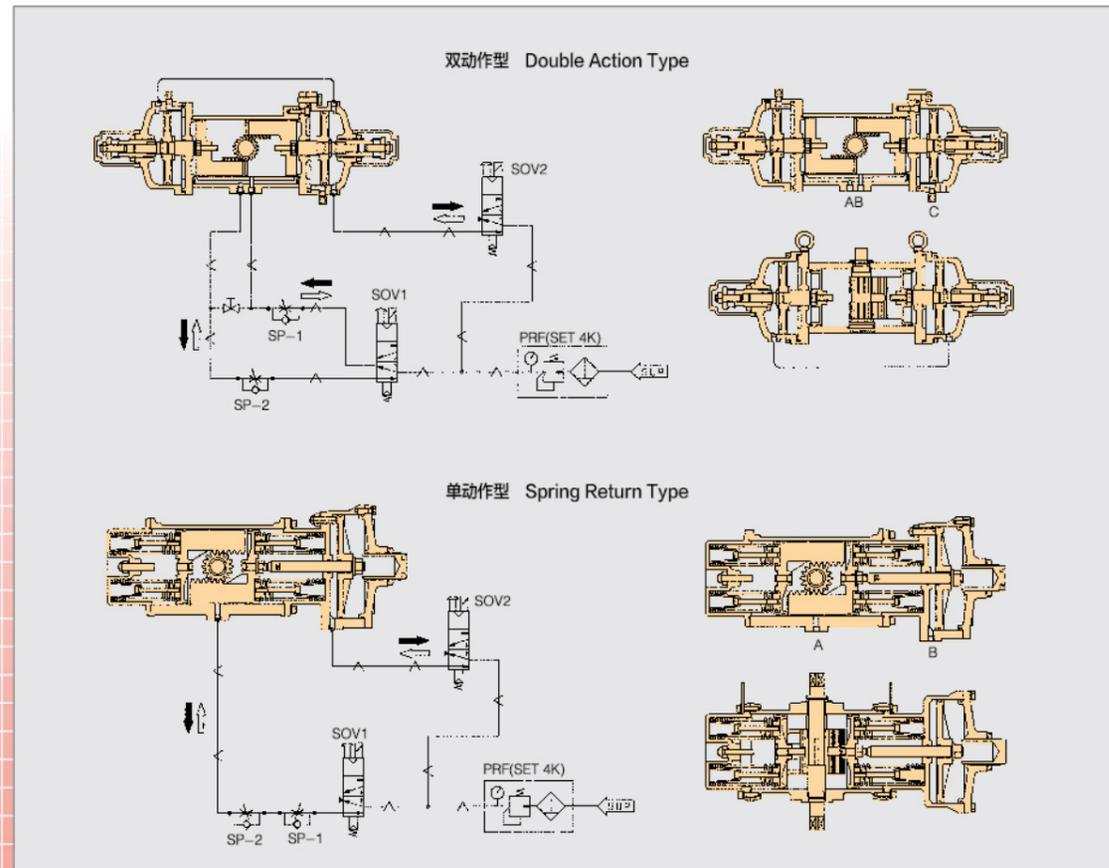
7300RB		双动作型 Double Acting type				单动作型 Spring Return type			
形式	Type code	7317RB	7323RB	7328RB	7337RB	7317RB	7323RB	7328RB	7337RB
尺寸	Size	170	235	280	375	170	235	280	375
输出力矩	Output N·m at 500kPa	637	1712	2962	6987	212	589	995	2332
6500RA, 6400RB		6500RA						6400RB	
		双动作型 Double Acting type			单动作型 Spring Return type			双动作型 Double Acting type	
形式	Type code	6517RA	6520RA	6528RA	6520RA	6528RA	6536RA	6420RB	6428RB
尺寸	Size	170	200	280	200	280	360	200	280
输出力矩	Output N·m at 500kPa	1850	3200	7500	907	2231	4413	9370	20500
6700RA		双动作/单缸 Double Acting type / 1 Piston							
形式	Type code	6745RAB4S	6750RAB4S	6755RAB4S	6760RAB4S	6760RAB5S	6770RAB5S	6780RAB5S	
尺寸	Size	450	500	550	600	600	700	800	
输出力矩	Output N·m at 500kPa	18274	22587	27245	32467	38960	53043	69388	
6700RA		双动作/双缸 Double Acting type / 2 Piston			单动作型 Spring Return type				
形式	Type code	6755RAB5W	6760RAB5W	6770RAB5W	6745RAB4	6750RAB4	6755RAB4	6760RAB4	
尺寸	Size	550	600	700	450	500	550	600	
输出力矩	Output N·m at 500kPa	65388	77919	106086	11604	15701	17750	20635	
供给气压	Air supply	双动作 Double Acting: 300~500 kPa 单动作 Spring Return: 300, 400, 500 kPa							
动作	Action	正作用(DA), 反作用(RA) Direct Action or Reverse Action							
允许环境温度	Environment temp.	标准型: -20~+60°C, 低温型: -50~+60°C, 高温型: 0~+100°C Standard type: -20~+60°C, Low temp.service: -50~+60°C, High Temp.service: 0~+100°C							
选购设备	Options	手动操作机构, 限位开关, 定位器, 过滤减压阀, 调速器, 锁止阀, 电磁阀等 Manual handwheel, Limit Switch, Positioner, Air-set, Speed controller, Lock Valve, Lock up Valve, Solenoid Valve etc.							

7000 SERIES PNEUMATIC CYLINDER ACTUATORS

角行程型
Rotary Stem Motion type

7900RC: 2段式开关气动活塞式执行机构 2 Step Action type Pneumatic Cylinder Actuators

输出轴回转角度 / 90° Output Shaft Rotating angle/90°
双气缸齿轮齿条式执行机构 2 Piston Rack & Pinion Pneumatic Actuator



规格: Specifications

7900RC		双动作型 Double Acting type					单动作型 Spring Return type				
形式	Type code	79B3RC	79B4RC	7917RC	7923RC	7928RC	79B3RC	79B4RC	7917RC	7923RC	7928RC
尺寸	Size	AT300	AT400	170	230	280	AT300	AT400	170	230	280
输出力矩 Output	N · m AT 400 kPa	106	222	510	1370	2370	40.5	84	170	455	796
	N · m AT 500 kPa	133	277	637	1712	2960	50.7	105	212	569	995
供给气压	Air supply	双动作 Double Acting: 300 ~ 500 kPa 单动作 Spring Return: 300, 400, 500 kPa									
动作	Action	正作用(DA), 反作用(RA) Direct Action or Reverse Action									
允许环境温度	Environment temp.	标准型: -20 ~ +60°C, 低温型: -50 ~ +60°C, 高温型: 0 ~ +100°C Standard type: -20 ~ +60°C, Low temp.service: -50 ~ +60°C, High Temp.service: 0 ~ +100°C									
选购设备	Options	手动操作机构, 调速器, 电磁阀, 过滤减压阀等 Manual handwheel, Speed controller, Solenoid Valve, Air-set etc.									

ACCESSORIES FOR PNEUMATIC ACTUATORS

EP800: 电气定位器 Electro-Pneumatic Positioner

该系列电 - 气定位器与气动执行机构配套使用, 输入 4~20mA DC 的信号转换成输出空气压力, 控制执行机构的动作。同时根据执行机构的行程进行反馈, 从而使执行机构的行程能按控制信号进行精确定位。

This series is for positioning of pneumatic actuator operated control valves. Input signal 4~20mA DC is changed to air pressure. Accurate positioning is achieved by having valve position feedback from valve stem.

PP800: 气气定位器 Pneumatic-Pneumatic Positioner

该系列的工作原理与 EP800 相同, 但输入的是 (20~100kPa) 的气信号, 也有双动作型和单动作型可供选择。

Same series as EP800 but this works having pneumatic signal (20~100kPa). Also double acting and single acting types are available.

PRF300: 过滤减压阀 Airfilter-Regulator

PRF400:

用于对仪表气的过滤和减压。

For regulating instrument air.

CL-420: 锁止阀 Lock Valves

CL-523:

在空气回路中起到开关、切换、锁止的作用。

Used for shut off, switching, or locking of instrumental air circuit (air relay).



规格: Specifications

形式	Type	EPA800	EPC800	EPB800
		单动作型 for single acting	双动作型 for double acting	5200LA专用 for 5200LA actuator
输入信号/输出特性	Input signal / Characteristic	4~20, 4~12, 12~20 mA DC / 线性, 等百分比 Linear, Eq%		
供给气压	Air supply	140 ~ 700 kPa		
直线性/滞后	Linearity/Hysteresis	单动作型 Single acting type		双动作型 Double Acting type
灵敏度/重复精度	Response level/Repeatability	±1.0% / 0.5%		±1.5% / 0.8%
耗气量	Air consumption	输出气压50%时的耗气量 5 NI/min. at Sup. 140 kPa [gaug]		输出侧气源放空时 15 NI/min. at Sup. 400 kPa [gaug]
最大处理流量	Max. capacity	输出侧气源放空时 175 NI/min. at Sup. 140 kPa [gaug]		Output atmosphere 400 NI/min. at Sup. 400 kPa [gaug]
结构形式	Enclosure	室外防水型 Weather proof type, 耐压防爆型 Explosion proof type 本质安全型 Intrinsically safe explosion proof type		
气源接口/电气接口	Air/Electric wiring connection	Rc 1/4 / G 1/2		
允许环境温度	Environment temp.	标准型: -20 ~ +80°C, 低温型: -50 ~ +60°C, 高温型: 0 ~ +100°C Standard model: -20 ~ +80°C, Low temp.model: -50 ~ +60°C, High Temp.model: 0 ~ +100°C		

SMART VALVE POSITIONER



KGP5000: 智能阀门定位器
Smart Valve Positioner

KGP5000 系列智能阀门定位器是一种安装在控制阀气动执行器上的控制装置, 可根据上级控制系统或控制装置 4 ~ 20mA 的输入信号对控制阀进行精确定位。此外, 该定位器可以用于操作各种类型的气动执行机构, 如直行程或角行程的单动作和双动作执行机构。该定位器具有利用数字技术执行先进的 PID 控制器的功能, HART 通信功能, 带 LCD 现场操作界面, 还具备角度传感器和压力传感器等传感技术的诊断功能。在运行、维护操作中, 可以实现有效地监控和高效地作业。

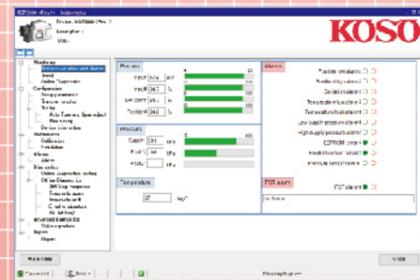
KGP5000 series smart valve positioner is a control device mounted on the pneumatic actuator for control valve, which positions a control valve according to a 4 to 20mA electric input signal from a higher-level control system or a control device.

Position feedback control system which receives feedback signal mapped to the desired valve travel and compares both input signal and feedback signal enables accurate positioning of a control valve.

In addition, it is possible to use this positioner in order to operate various types of pneumatic actuator such as single and double acting, linear and rotary motion actuators.

Furthermore, the positioner utilizing digital techniques performs the functions of advanced PID controller, local user interface using LCD, diagnostics utilizing sensing techniques with potentiometers and internal pressure sensors.

Such features enable an easy installation and calibration, an effective monitoring and an efficient process management relevant to operations and maintenance.



(DTM画面)

规格: Specifications

形式	Type	KGP5000
输入信号	Input Signal	4 ~ 20mA DC
输入电压	Compliance Voltage	13V DC at 20mA
输出特性	Characteristic Curve	线性(Linear)/Eq%/Q-Open/任意特性(Custom Curve)
放大器	Pilot Valve	单动作型・双动作型兼用(Single Acting/Double Acting combined use)
耗气量	Air Consumption	5Nl/min以下@140kPa (单动作型)
设定方法	Setting	内置3个按钮(Built-in 3-Button) / HART通信
智能化功能	Smart Function	自动调整 / 紧闭动作 / 自动报警 / LCD显示等 Autotuning/Cut-off Action/Alarm Sending/LCD display etc.
自诊断功能	Self-Diagnosis	在线/离线诊断(供气压力诊断 / 输出压力诊断 / 动作诊断 / 环境温度诊断) Online/Offline-Diagnosis(Supply Air Press./Output Air Press./Operation/Ambient Temp. etc.)
防护等级	Enclosure	IP66/耐压防爆型(Exd IIC T6)
标准附属机构	Standard Function	自动-手动切换、阀位反馈 Auto-Manual/Position Transmitter
重量	Approx. Weight	3.3 kg

SIMULATOR

HCS600: 电流·电压信号发生器
CURRENT/VOLTAGE SIMULATOR

HCS600 是 KOSO 独创的手持式信号发生器, 可满足高性能、高可靠性的要求。除电流、电压输出等标准功能外, 还可在预先设定的条件下自动改变输出值。在实现“程序功能”的同时, 还支持“分程设定”(4-12mA, 12-20mA)、“超程设定”(扩大到24mA)。另外, 带背光的大尺寸 LCD 面板显示器, 可以清楚地显示工作状态、设定值以及测定值。

HCS600 is KOSO Original handheld current simulator which can meet severe requirements. It equips not only standard function like a current/voltage output but also "split range"(4-12mA, 12-20mA), "over range"(2.00mA, 24.00mA) and "Program mode" which can be programmable at any set point, with backlight wide LCD display.



规格: Specifications

形式	Type	HCS600
精度 Accuracy	SOURCE MODE	电流 Current ±0.1% ±2 digit 电压 Voltage ±0.5% ±2 digit
	READ	电流 Current ±0.1% ±2 digit
分辨率 Resolution	SOURCE MODE	电流 Current 0.01mA 电压 Voltage 0.01V
	READ	电流 Current 0.01mA
输入·输出范围 Input/Output range	SOURCE MODE	电流 Current 0 - 24.00mADC 电压 Voltage 0 - 6.00VDC
	READ	0 - 25.00mADC
	Sync	0 - 24.00mADC
输出能力 Output function	Current	750Ω±
	Voltage	≥50kΩ
输出设定 Output setting	Fine step	Fine step key, 0.01mA/1 shot
	25% step	25% step key, 5 point(0, 25, 50, 75, 100%)
	Over range	Over range key, Under 2.00mA(-12.5%) Over 24.00mA(150%)
显示 Display		带背光的单色LCD面板 Monochrome LCD with backlight (128×64 dot)