



LUOKAI
WE MAKE FLOW BETTER

偏心半球阀 Eccentric Semi Ball Valve



- 适用压力 Applicable Pressure: PN10~6.4MPa
- 适用规格 Applicable Size: DN15~2000
- 适用温度 Applicable Temperature: -29℃~425℃
- 主体材质 Body Material: 球墨铸铁、WCB、不锈钢
Ductile iron, WCB, Stainless steel
- 传动方式 Driving: 涡轮传动、电动、气动
Gear, Electric, Pneumatic

偏心半球阀产品特性

Product Features of Eccentric Semi Ball Valve

■更合理的结构设计

采用偏心——契原理通过传动机构达到闸紧、调节、关闭的目的，密封副是金属面环带硬面接触密封，双偏心结构在开启时阀芯位于藏球室内，流通截面大，水头损失为零，可节约大量资源，且阀门不被冲刷，关闭时阀芯不被冲刷，开启时阀芯球面沿阀座渐进，有效地切除结垢障碍，实现可靠密封，它对两相混流易结垢固体析出的混流输送特别有效。

■更低的压力损失

全开时水损为零，流道完全通畅；内腔自动清洗，阀芯90度旋转，自动冲洗阀体内腔，将介质中的杂物清洗干净并且介质不会沉积在阀腔内。球体为半球形，流通具有最高的Cv值，增强了泵的系统效率，并使磨蚀降为最低程度。

■更优质的密封保障

利用偏心的原理，在正压时，球体与阀座越关越紧，从而得到良好的密封；反压时，浮动式阀座在受压作用下，阀座自动向球体推紧，压力越高，阀座向球体越堆越紧，从而得到良好的自动密封功能。

■更长久的使用寿命

球阀在开启后，球冠偏置于阀体内，不被介质直接冲刷。密封副的阀芯留有补偿量，当阀座磨损（阀座硬度低于阀芯）后，关闭时再转动少许，仍能可靠密封，延长使用寿命。

■更轻松的维护

具备自动清污功能。自清洁功能。当球体倾离阀座时，管线中的流体沿球体密封面成360°均匀通过，不仅消除了高速流体对阀座局部的冲刷，也冲走了密封面上的聚积物。硬密封偏心半球阀的球冠边沿采用刀刃状，不但可以刮去阀座上的污垢，还可以切断杂物，达到自清洁的目的。

■More reasonable structure design

Adopting the eccentric — deed principle achieves the purpose of the brake tightly, regulation by transmission mechanism. The sealing ring surface is metal with hard faced contact seal. Double eccentric structure is in the open when the valve core is located in the ball room. large flow area and zero water loss, can save a lot of resources, and the valve is not washed. close the valve core will not be washed, and open the valve core sphere can effectively move along the seat, so as to easily remove fouling obstacles, achieve reliable seal, and the two-phase mixed flow easily scale solid precipitation mixed flow convey particularly effectively.

■Lower pressure loss

Fully open when the water loss is zero, the flow channel is completely smooth; chest automatic cleaning. The valve core is can rotate in 90 angle, automatically flush valve chest and clean up the debris of the medium.) Also, the debris will not be deposited in the valve chest. The ball is hemispherical. Circulation with the highest Cv value enhanced the system efficiency of the pump and the abrasion is reduced to the lowest degree.

■Better quality assurance of sealing

Using eccentric principle, the ball and valve seat are closed tightly under the positive pressure, so as to obtain good sealing; floating seat under the anti pressure, will push the ball towards valve seat. The higher the pressure, the closer between valve seat and the ball, So that the sealing can get a good automatic seal function.

■Longer service life

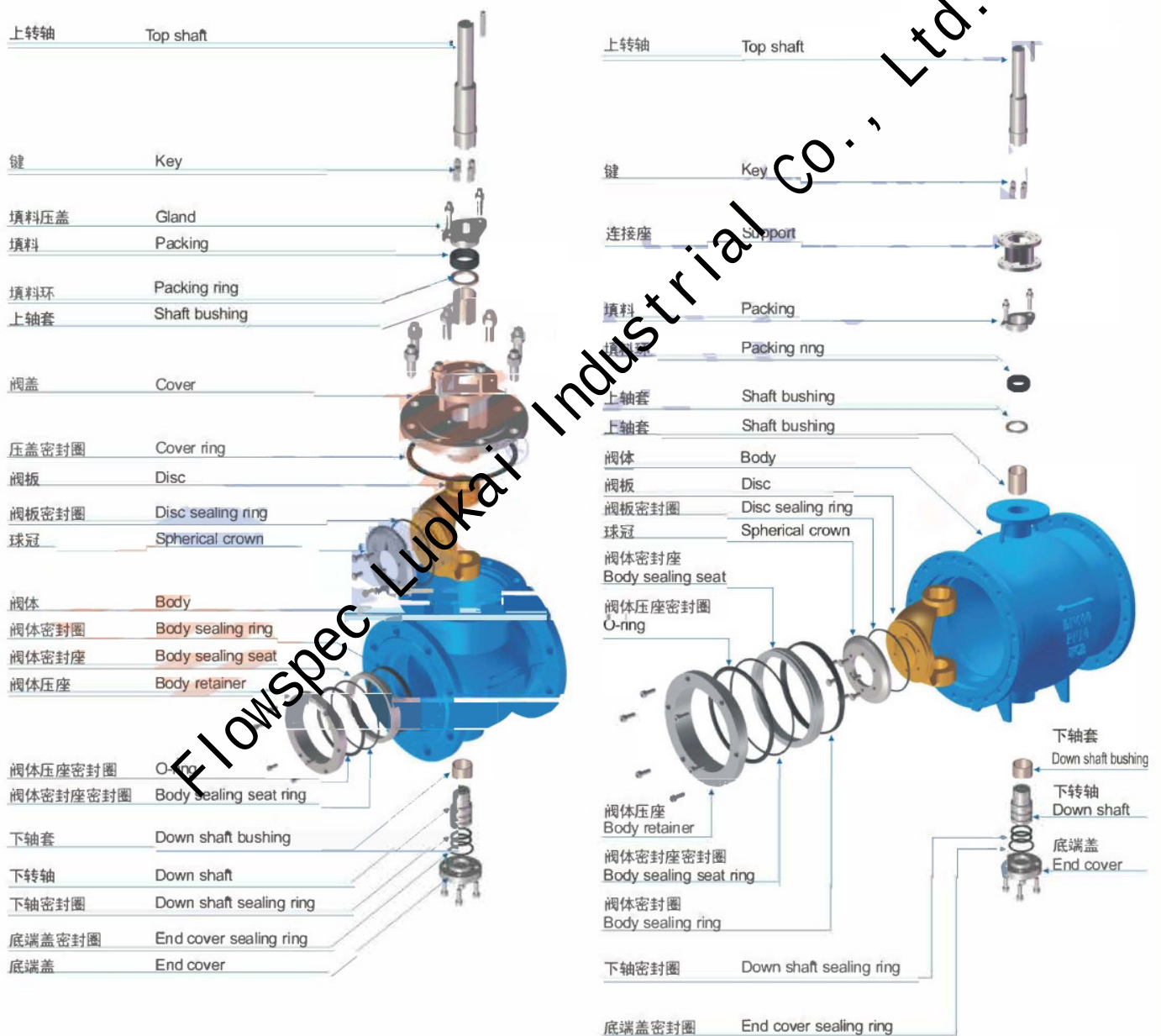
No wearing parts. Due to the eccentric effect, in the process of opening and closing, the valve body completely separated from the sealing of valve seat, and make the seat surface and the spherical cap shift without friction between spherical rotation. At the same time it can reduce operating torque effectively and operate easily. Automatic compensation functions of the valve, can greatly improve the service life of the valve.

■Maintenance easier

Self-cleaning function. When the ball roll away from the valve seat, fluid in the pipeline flow along the sealing surface of the sphere into 360 degree, not only eliminates the high-speed fluid scour to seat local, sediment is washed away from the sealing face. The spherical cap edge with hard seal eccentric semi ball valve adopts edge shape, not only can scrape the dirt on the valve seat, also can cut sundries, to achieve self cleaning purposes.

偏心半球阀结构示意图

Structural Explosion Diagram Of Eccentric Semi Ball Valve



偏心半球阀结构特性说明

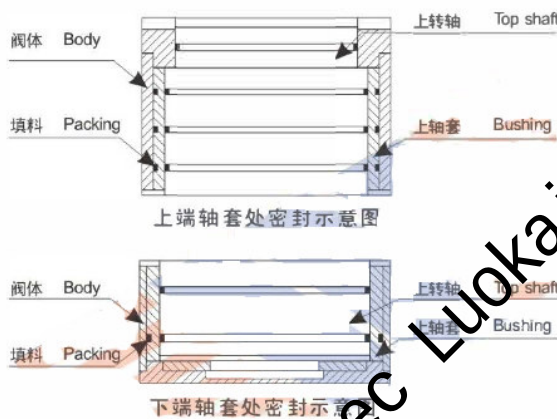
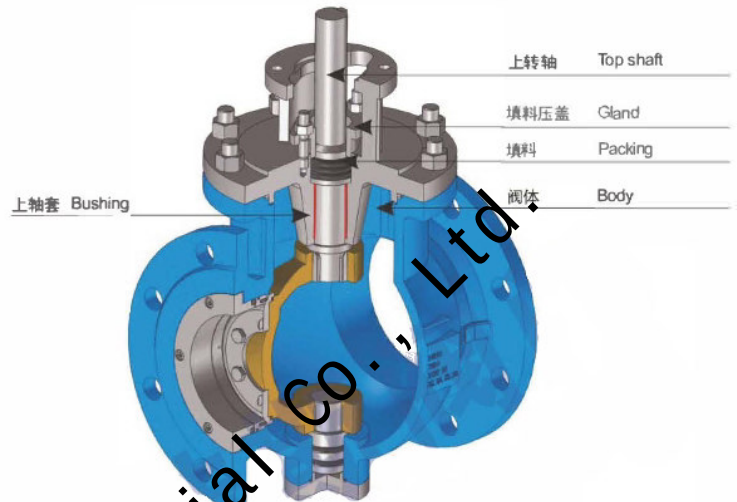
The Structure Characteristics of Eccentric Semi Ball Valve

■ 阀轴与阀体连接示意图及密封处理措施

The valve shaft connection diagram with the body and sealing treatment measures

偏心半球阀阀轴为干轴设计，即阀轴完全被填料和轴承包覆，确保轴承和阀杆间隙不产生任何腐蚀，保证长期可靠操作、免维护，填料压盖锁紧在阀体上，压板上套锁紧螺母及锁紧垫片，保证阀轴不上下窜动。

Eccentric semi ball valve shaft designed as the stem shaft, namely, the valve shaft is completely covered with packing and the bearing, to make sure the bearing and valve stem gap does not produce any corrosion, to ensure long-term reliable operation, maintenance free, and gland locking on the body. The bushing locks the nut and the gasket tightly, to make sure the shaft cannot move up and down.



■ 阀轴的密封示意图及注解

Valve shaft sealing sketch and annotation

阀轴处密封示意图如图所示。

上端轴套处密封采用主动轴上3道O型圈密封及轴套上2道O型圈密封，下端轴套处密封采用从动轴上2道O型圈密封及轴套上2道O型圈密封，密封泄漏率小于万分之一。

Valve shaft Sealing is shown schematically in figure.

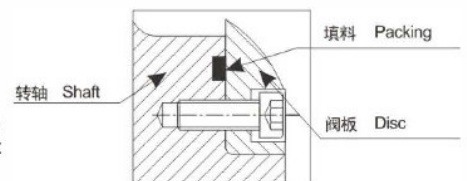
The upper shaft sealing adopts 3 O sealing rings on the driving shaft and 2 O sealing rings on the bushing. The lower shaft adopts 2 O sealing rings both on the driven shaft and on the sleeve on the bushing. The chance of seal leakage is less than 1/10000.

■ 阀轴与阀板连接示意图及密封处理措施

The valve shaft and the valve plate connection diagram and sealing treatment measures

阀轴为偏心球体，采用三段式结构（主、从动轴、球体）；阀板为球冠。球冠用紧定螺钉固定在偏心球体上，它们之间用O形密封圈密封，因为是静密封，因此密封非常可靠。

The valve shaft is an eccentric sphere. The three section type structure (the main, driven shaft, ball) valve plate is a spherical cap. The spherical cap is fixed on the eccentric ball with the set screw. So it is static seal, the seal is reliable.

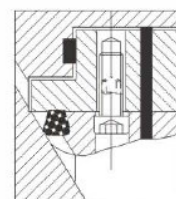


■ 阀板密封形式及注解

The valve plate seal form and annotation

偏心半球阀在阀座上加入了独特的软硬双密封设计，正、反向进水，不仅可实现双向密封，而且可达到密封零泄漏，专用于特殊和循环水系统。

Eccentric semi ball valve is designed uniquely with soft and hard double sealing on the seat. Both the front and the back can pour the water. It not only can realize two-way sealing, but also can achieve zero leakage sealing, being used in special and circulating water system.

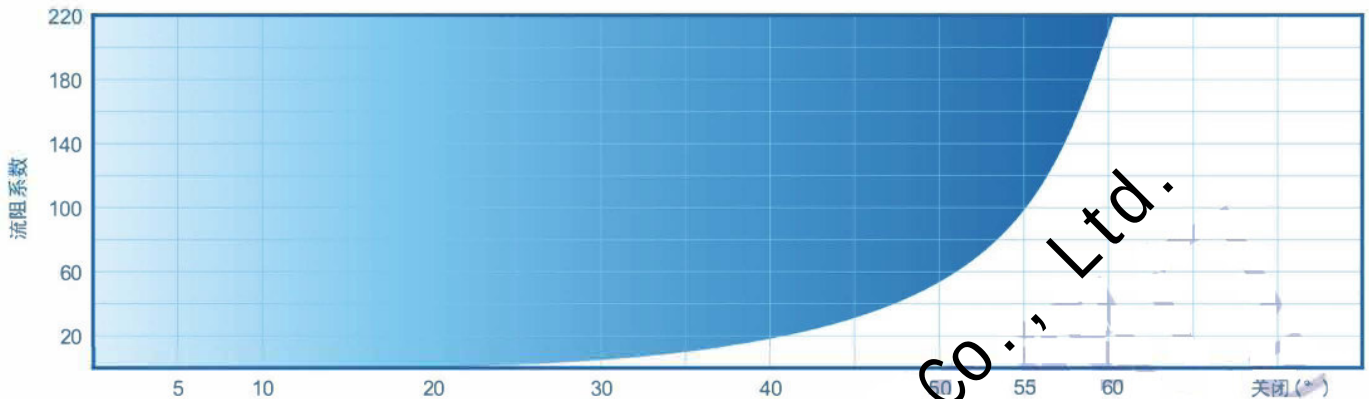


阀门不同开度的水头损失及流量曲线

Water Head Loss and Flow Curve of Different Opening Degree in Valve

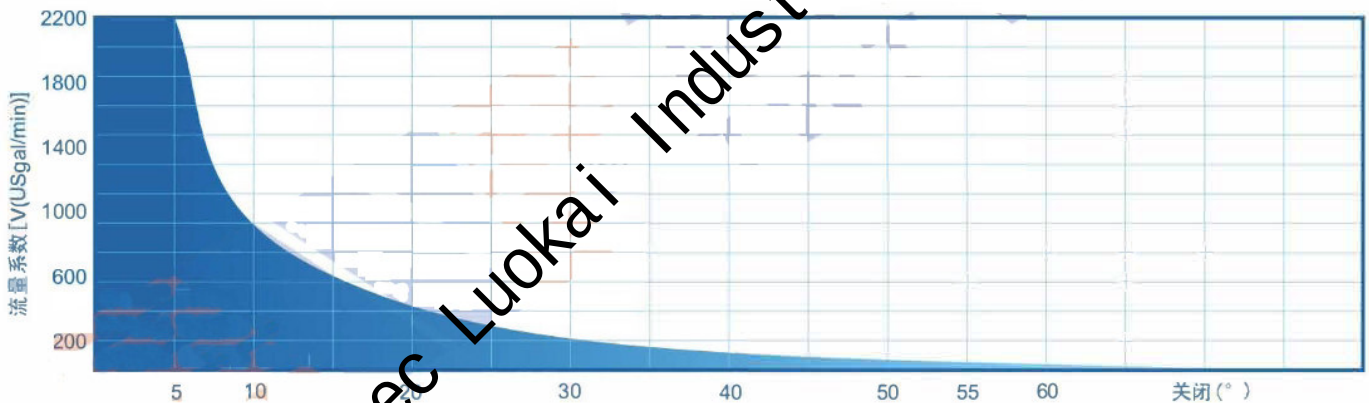
阻力特性曲线图及过流特性曲线图

The Resistance Characteristic Curve and Flow Characteristic Curve



阀门开度与流阻系数的关系 (DN700为例), 全开时流阻系数为0.04, 水头损失为0.125MP。

The relationship between the valve opening and flow coefficient (DN700 for example), when the valve is full opened, the flow resistance coefficient is 0.04, and the head loss is 0.125MP.



阀门开度与流量系数的关系 (DN700为例)

Relationship between the valve opening and flow coefficient (DN700 for example)

Cv=当阀门全开时, 阀门两端压差为1磅/英寸², 流体用60°F的清水时, 通过阀门的美加仑/分的流量数。

Cv=when valve entirely opened, pressure difference in both sides of valve will be 1 pound/inch², when fluid is 60°F clean water, flow volume of per gallon/min.

flowing through valve.

$$Cv=Q(G/\Delta P)^{1/2}$$

Q: 最大流量 (美加仑/分)

G: 比重 (水=1)

ΔP : 压力降 (磅/英寸²)

$$Cv=Q(G/\Delta P)^{1/2}$$

Whereas: G=Specific gravity, clean water will be 1.0

Q=Max. flow rate

ΔP =Pressure difference, lb/in²

C=当阀门全开时, 阀两端压差为100KPa(1Kg/cm²), 流体用常温清水时, 某给定行程的流量以m³/h计, 介质密度取Kg/m³的流量数值 (m³).

Cv=1.17C

C=The valve Cv is the flow rate(m³/h) of pure water at normal temperature passing through the valve when the valve disc is fully opened and the pressure differential between the two ends of the valve is 100Kpa(1Kg/cm²)

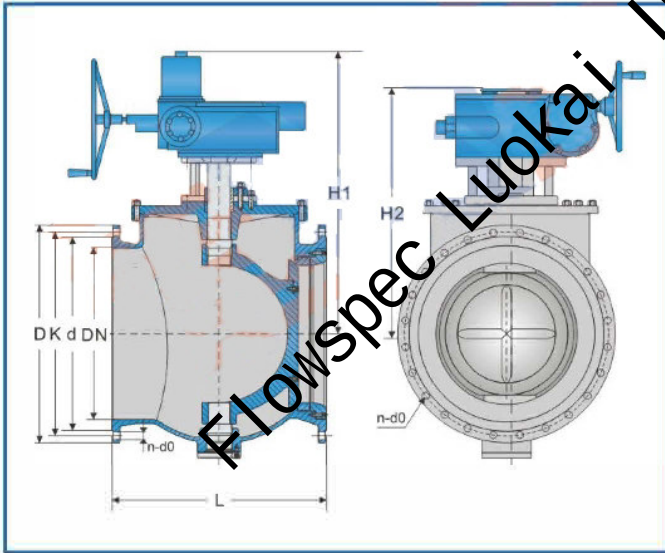
Cv=1.17C

上装式偏心半球阀（电动·涡轮）技术参数

Top Entry Type Eccentric Semi Ball Valve (Electric and Gear Operator) Technical Parameters



DIMENSIONS: PN10 · 16 · 25 · 40



部件	Component	材质 Material
上转轴	Top shaft	2Cr13
键	Key	45
填料压盖	Gland	HT200
填料	Packing	NBR
填料环	Packing ring	ZCuZn382Pb2
上轴套	Shaft bushing	DF-1
阀盖	Cover	QT450
压盖密封圈	Cover ring	NBR
阀板	Disc	QT450
阀体	Body	QT450
下轴套	Down shaft bushing	DF-1
下轴	Down shaft	2Cr13
下轴密封圈	Down shaft sealing ring	NBR
底端盖密封	End cover sealing ring	NBR
底端盖	End cover	QT450
阀板密封圈	Disc sealing ring	NBR
球冠	Spherical crown	304
阀体密封圈	Body sealing ring	NBR
阀体密封座	Body sealing seat	2Cr13
阀体压座密封圈	O-ring	NBR
阀体压座	Body strainer	QT450-10
阀体密封座密封圈	Body sealing ring	NBR

注：所有部件可根据实际工况选用不同材质。
Note: All parts can choose different material, according to the actual condition of selection.

1. 该产品符合GB/T26146-2010《偏心半球阀》标准。
2. 试验符合GB/T13927-2008《工业阀门 压力试验》标准。
3. 侧法兰连接符合GB/T17241.6-2008《整体铸铁法兰》标准。同时符合BS4504，ISO7005，DIN2501中PN1.0MPa，PN1.6MPa法兰连接标准。
4. 结构长符合GB/T26146-2010《偏心半球阀》标准。
1. The product is in conformity with standard GB/T26146-2010 eccentric hemisphere valve.
2. Tests are in conformity with standard GB/T13927-2008 industrial valve pressure test.
3. Connection between side flanges is in conformity with standard GB/T17241.6-2008 Integral Cast Iron Flanges and PN1.0MPa，PN1.6MPa flange connection standards provided in BS4504，ISO7005 and DIN2501 Respectively.
4. Structure length confirms to standard GB/T26146-2010" eccentric hemisphere valve".



上装式偏心半球阀（电动·涡轮） 外形尺寸

Top Entry Eccentric Semi Ball Valve (Electric and Gear Operator) Dimensions: PN10 -16-25-40

(单位 Unit:mm,kg)

DN	PN10				PN16				PN25				PN40				L	H1	H2
	D	K	d	n-do	D	K	d	n-do	D	K	d	n-do	D	K	d	n-do			
50	165	125	99	4-Φ19	165	125	99	4-Φ19	165	125	99	4-Φ19	165	125	99	4-Φ19	178	310	270
65	185	145	118	4-Φ19	185	145	118	4-Φ19	185	145	118	8-Φ19	185	145	118	8-Φ19	190	320	280
80	200	160	132	8-Φ19	200	160	132	8-Φ19	200	160	132	8-Φ19	200	160	132	8-Φ19	203	330	290
100	220	180	156	8-Φ19	220	180	156	8-Φ19	235	190	156	8-Φ23	235	190	156	8-Φ23	229	380	330
125	250	210	184	8-Φ19	250	210	184	8-Φ19	270	220	184	8-Φ28	270	220	184	8-Φ28	254	405	345
150	285	240	211	8-Φ23	285	240	211	8-Φ23	300	250	211	8-Φ28	300	250	211	8-Φ28	267	440	370
200	340	295	226	8-Φ23	340	295	226	12-Φ23	360	310	274	12-Φ28	375	320	284	12-Φ31	292	470	405
250	395	350	319	12-Φ23	405	355	319	12-Φ28	425	370	330	12-Φ31	450	385	345	12-Φ34	330	540	480
300	445	400	370	12-Φ23	460	410	370	12-Φ28	485	435	389	16-Φ31	515	450	409	16-Φ34	356	580	520
350	505	460	429	16-Φ23	520	470	429	16-Φ28	550	490	448	16-Φ34	580	510	465	16-Φ37	450	630	570
400	565	515	480	16-Φ28	580	525	480	16-Φ31	620	550	503	16-Φ37	660	585	535	16-Φ40	530	710	630
450	615	565	530	20-Φ28	640	585	548	20-Φ31	670	600	548	20-Φ37	685	610	560	20-Φ40	580	770	690
500	670	620	582	20-Φ28	715	650	609	20-Φ34	730	660	609	20-Φ37	755	670	615	20-Φ43	660	820	740
600	780	725	682	20-Φ31	810	770	720	20-Φ37	845	770	720	20-Φ40	890	795	735	20-Φ49	680	940	840
700	895	840	794	24-Φ31	910	840	794	24-Φ37	960	875	820	24-Φ43					900	1040	960
800	1015	950	901	24-Φ34	1025	950	901	24-Φ40	1085	990	928	24-Φ49					1000	1180	1080
900	1115	1050	1001	28-Φ34	1125	1050	1001	28-Φ40	1185	1090	1028	28-Φ49					1100	1280	1190
1000	1230	1160	1112	28-Φ37	1255	1170	1112	28-Φ43	1320	1210	1140	28-Φ56					1200	1420	1310
1200	1455	1380	1328	32-Φ40	1485	1390	1328	32-Φ49	1530	1420	1350	32-Φ56					1300	1530	1420
1400	1675	1590	1530	36-Φ43	1685	1590	1530	36-Φ49	1755	1640	1560	36-Φ62					1500	1650	1540
1600	1915	1820	1750	40-Φ49	1930	1820	1750	40-Φ56	1975	1860	1780	40-Φ62					1800	1750	1660
1800	2115	2020	1950	44-Φ49	2130	2020	1950	44-Φ56	2195	2070	1985	44-Φ70					2100	1860	1790
2000	2325	2230	2150	48-Φ49	2345	2230	2150	48-Φ62	2425	2300	2210	48-Φ70					2300	1990	1920

注: PN40及DN2000以上技术数据请向厂商索取

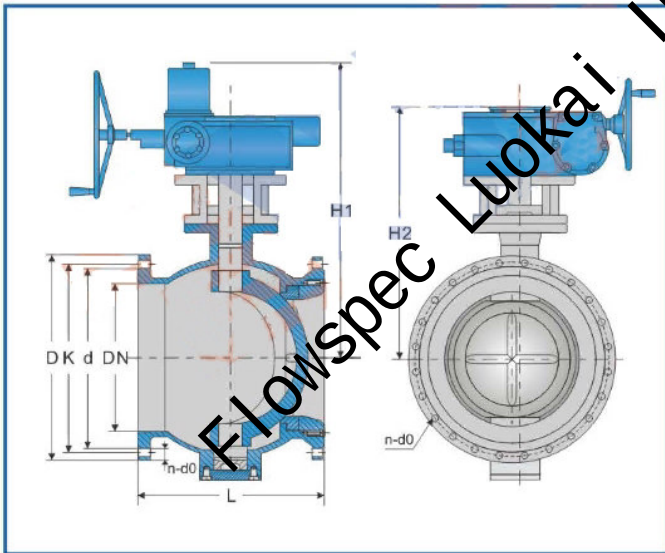
Note: PN40 and DN2000 above technical data please to manufacturers claim

侧装式偏心半球阀（电动·涡轮）技术参数

Side Entry Eccentric Semi Ball Valve (Electric and Gear Operator) Technical Parameters



DIMENSIONS: PN10 · 16 · 25 · 40



部件	Component	材质 Material
上转轴	Top shaft	2Cr13
键	Key	45
填料压盖	Gland	HT200
填料	Packing	NBR
填料环	Packing ring	ZCuZn382Pb2
上轴套	Shaft bushing	DF-1
阀板	Disc	QT450-10
连接座	Support	QT450-10
阀体	Body	QT450-10
下轴套	Down shaft bushing	DF-1
下转轴	Down shaft	2Cr13
下轴密封圈	Down shaft sealing ring	NBR
底端盖密封圈	End cover sealing ring	NBR
底端盖	End cover	QT450-00
阀板密封圈	Disc sealing ring	NBR
球冠	Spherical crown	304
阀体密封圈	Body sealing ring	NBR
阀体密封座	Body sealing seat	2Cr13
阀体压座密封圈	O-ring	NBR
阀体压座	Body strainer	QT450-10
阀体密封座密封圈	Body sealing ring	NBR

注：所有部件可根据实际工况选用不同材质。
Note: All parts can choose different material, according to the actual condition of selection.

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3. 侧法兰连接符合GB/T17241.6-2008《整体铸铁法兰》标准。同时符合BS4504，ISO7005，DIN2501中PN1.0MPa，PN1.6MPa法兰连接标准。
4. 结构长符合GB/T26146-2010《偏心半球阀》标准。
1. The product is in conformity with standard GB/T26146-2010 eccentric hemisphere valve.
2. Tests are in conformity with standard GB/T13927-2008 industrial valve pressure test.
3. Connection between side flanges is in conformity with standard GB/T17241.6-2008 Integral Cast Iron Pipe Flanges and PN1.0MPa, PN1.6MPa flange connection standards provided in BS4504, ISO7005 and DIN2501 Respectively.
4. Structure with GB/T26146-2010" eccentric hemisphere valve".



侧装式偏心半球阀（电动·涡轮） 外形尺寸

Side Entry Eccentric Semi Ball Valve (Electric And Gear) Dimensions: PN10-16-25-40

(单位 Unit:mm,kg)

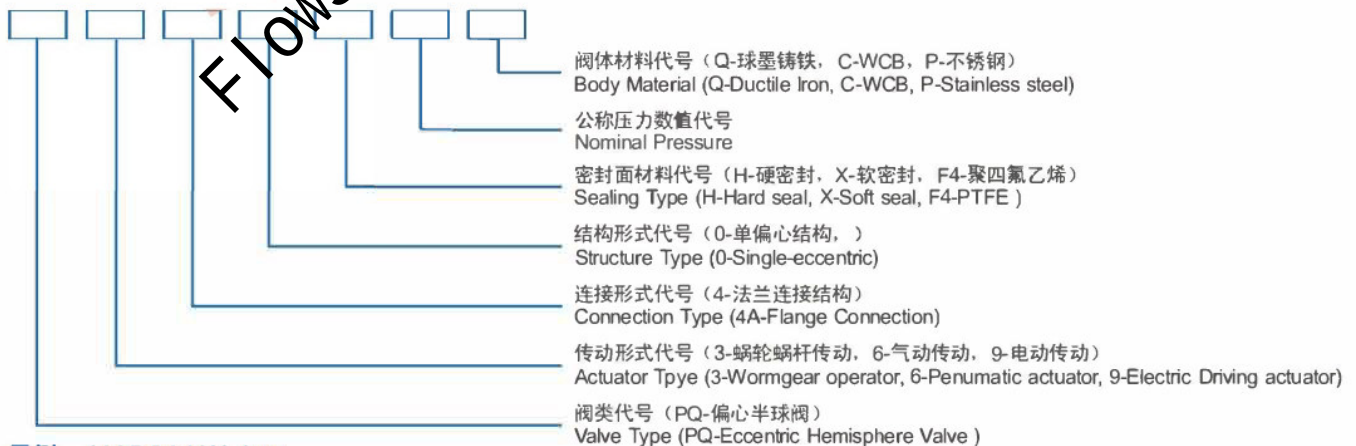
DN	PN10				PN16				PN25				PN40				L	H1	H2
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50	165	125	99	4-Φ19	165	125	99	4-Φ19	165	125	99	4-Φ19	165	125	99	4-Φ19	178	350	210
65	185	145	118	4-Φ19	185	145	118	4-Φ19	185	145	118	8-Φ19	185	145	118	8-Φ19	190	270	230
80	200	160	132	8-Φ19	200	160	132	8-Φ19	200	160	132	8-Φ19	200	160	132	8-Φ19	203	285	245
100	220	180	156	8-Φ19	220	180	156	8-Φ19	235	190	156	8-Φ23	235	190	156	8-Φ23	229	315	265
125	250	210	184	8-Φ19	250	210	184	8-Φ19	270	220	184	8-Φ28	270	220	184	8-Φ28	254	370	310
150	285	240	211	8-Φ23	285	240	211	8-Φ23	300	250	211	8-Φ28	300	250	211	8-Φ28	267	420	350
200	340	295	226	8-Φ23	340	295	226	12-Φ23	360	310	274	12-Φ28	375	320	284	12-Φ31	292	450	385
250	395	350	319	12-Φ23	405	355	319	12-Φ28	425	370	330	12-Φ31	450	385	345	12-Φ34	330	495	435
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400	565	515	480	16-Φ28	580	525	480	16-Φ31	620	550	503	16-Φ37	650	585	535	16-Φ40	530	660	620
450	615	565	530	20-Φ28	640	585	548	20-Φ31	670	600	548	20-Φ37	685	610	560	20-Φ40	580	750	670
500	670	620	582	20-Φ28	715	650	609	20-Φ34	730	660	609	20-Φ37	755	670	615	20-Φ43	560	780	700
600	780	725	682	20-Φ31	840	770	720	20-Φ37	845	770	720	20-Φ40	890	795	735	20-Φ49	680	860	760
700	895	840	794	24-Φ31	910	840	794	24-Φ37	980	875	820	24-Φ43					900	930	850
800	1015	950	901	24-Φ34	1025	950	901	24-Φ40	1085	980	928	24-Φ49					1000	1020	920
900	1115	1050	1001	28-Φ34	1125	1050	1001	28-Φ40	1185	1110	1028	28-Φ49					1100	1190	1100
1000	1230	1160	1112	28-Φ37	1255	1170	1112	28-Φ43	1320	1210	1140	28-Φ56					1200	1410	1300
1200	1455	1380	1328	32-Φ40	1485	1390	1328	32-Φ49	1530	1420	1350	32-Φ56					1300	1710	1600
1400	1675	1590	1530	36-Φ43	1685	1590	1530	36-Φ49	1755	1640	1560	36-Φ62					1500	2060	1950
1600	1915	1820	1750	40-Φ49	1930	1820	1750	40-Φ56	1975	1860	1780	40-Φ62					1800	2460	2350
1800	2115	2020	1950	44-Φ49	2130	2020	1950	44-Φ56	2195	2070	1985	44-Φ70					2100	2900	2790
2000	2325	2230	2150	48-Φ49	2345	2230	2150	48-Φ62	2425	2300	2210	48-Φ70					2300	3400	3290

注: PN40及DN2000以上技术数据请向厂商索取

Note: PN40 and DN2000 above technical data please to manufacturers claim

产品型号编制

Constitution of Product Model



示例: 100PQ340H-10Q

For Example: 100PQ340H-10Q

以上编码表示: DN100, 偏心半球阀, 蜗轮蜗杆传动, 法兰连接结构, 单偏心结构, 密封面硬密封, PN1.0Mpa, 球铁阀体。

Above codes indicate: DN100, Eccentric hemisphere valve, Flanged connection, Single-eccentric, Hard seat, PN1.0Mpa, DI body.



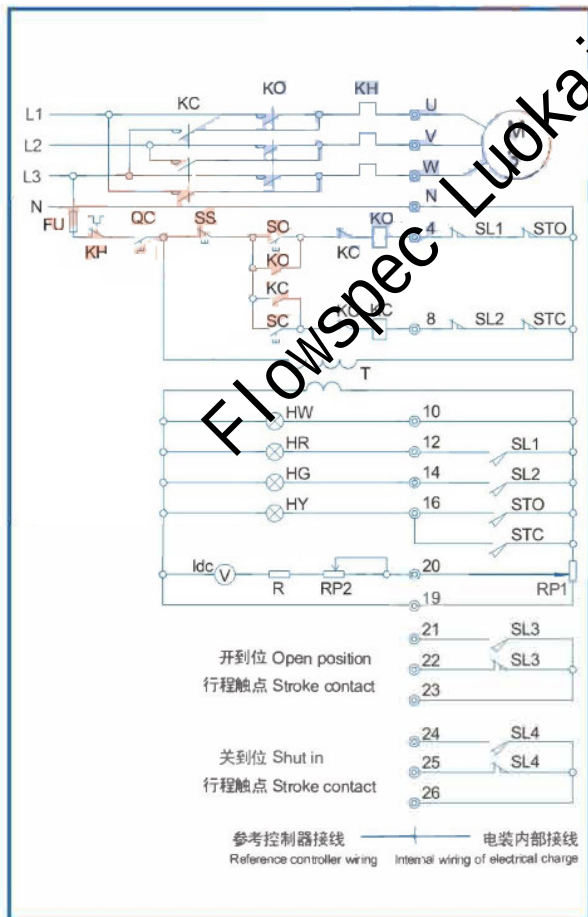
NQB系列电动装置性能规范

Performance of Electric Actuator for NQB



NQB系列电气原理图

Diagram of Electric Principle for NQB



电动装置型号 Type of Electric Actuator	额定输出转矩 Rating Torque	输出转速 (r/min) Output Revolution	旋转时间 Time for 90°turning(s)	电机功率 Motor Power
NQB5-1	50	2	15	0.04
NQB5-2	50	1	7.5	0.04
NQB10-1	100	2	15	0.04
NQB10-2	100	1	7.5	0.06
NQB15-1	150	2	15	0.06
NQB15-2	150	1	7.5	0.09
NQB20-1	200	2	15	0.06
NQB20-2	200	1	7.5	0.09
NQB30-1	300	2	15	0.09
NQB30-2	300	1	7.5	0.12
NQB40-1	400	2	15	0.12
NQB40-2	400	1	7.5	0.18
NQB60-1	600	2	15	0.18
NQB60-2	600	1	7.5	0.25
NQB90-1	900	1	15	0.25

说明 Explain

本图表示阀门处于中间位置

The graph representation of the valve is in an intermediate position

(1) 普通型端子接线对照表 General Type Terminal Control Table

端子号 Terminal number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
原理图线号 Schematic Line No.	U	V	W	N	4	8	10	12	14	16	19	20	21	22	23	24	25	26

(2) 防爆型及 SMC-3, 4, 5 普通型端子接线对照表

Explosion-proof Type and SMC-3, 4, 5 Ordinary Type Terminal Control Table

端子号 Terminal number	U	V	W	E	1	2	3	4	5	6	7	8	9	10	11	12	13	14	...	20	21
原理图线号 Schematic Line No.	L1	L2	L3	N	4	8	10	12	14	16	19	20	21	22	23	24	25	26			

No.	代号 Code	名称 Name	No.	代号 Code	名称 Name
1	KO KC	交流接触器 AC contactor	9	M	三相异步电机 Three phase asynchronous motor
2	KH	热继电器 Thermal relay	10	RP1	位置电位器 Position potentiometer
3	FU	熔断器 Fuse	11	RP2	调节电位器 Regulator potentiometer
4	QC	电源开关 Power switch	12	R	电阻 Electric resistance
5	SS SO SC	远控按钮开关 Remote control button switch	13	Idc	开度表 Opening statement
6	HW HR HG	指示灯 Pilotlamp	14	SL1-SL4	限位开关 Limit switch
7	HY	过转矩指示灯 Torque indicator	15	STOSTC	转矩开关 Torque switch
8	T	变压器 Voltage changer	备注: 基本型 带行程无源点 Note: the basic tour with a passive point		

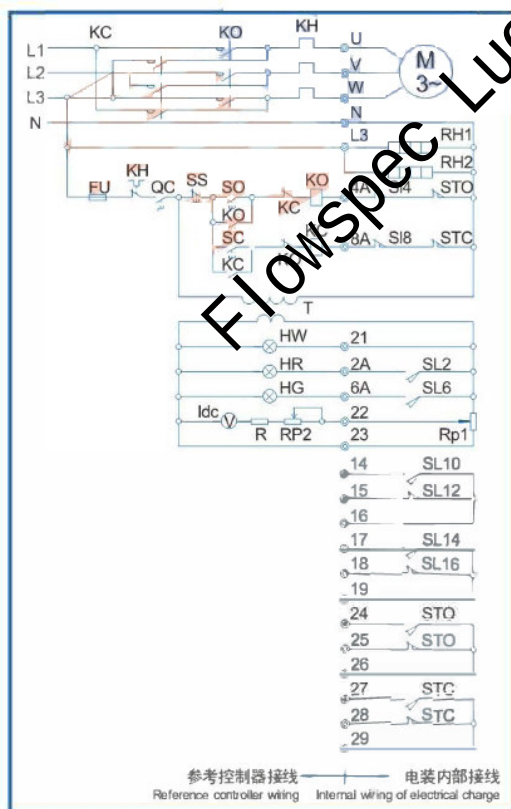
SMC系列电动装置性能规范

Performance of Electric Actuator for SMC

电动装置型号 Type of Electric Actuator	额定输出转矩 Rating Torque	输出转速(r/min) Output Revolution	旋转时间 Time for 90°turning(s)	电机功率 Motor Power
SMC-04/H0BC	450	1	15	0.12
SMC-04/H0BC	600	1	15	0.20
SMC-04/H1BC	1100	1	15	0.30
SMC-03/H1BC	2000	1	15	0.40
SMC-03/H2BC	3000	0.5	30	0.40
SMC-03/H2BC	3000	1	15	0.60
SMC-00/H3BC	7800	0.5	30	1.10
SMC-00/H3BC	7800	1	15	1.50
SMC-0/H4BC	10000	0.5	30	1.50
SMC-0/H4BC	17500	0.3	45	1.50
SMC-1/H5BC	12500	1	15	2.20
SMC-1/H5BC	27000	0.3	45	2.20
SMC-2/H6BC	42000	0.3	45	3.00
SMC-2/H6BC	50000	0.25	50	4.00
SMC-3/H6BC	63500	0.3	40	5.50
SMC-3/H7BC	87400	0.25	60	5.50
SMC-3/H8BC	135000	0.10	150	5.50
SMC-3/H10BC	200000	0.10	150	7.50
SMC-3/H12BC	300000	0.10	150	7.50

SMC系列电动装置电气原理图

Diagram of Electric Principle for SMC



说明 Explain

1. 本图表示阀门处于中间位置

2. 其中SMC-3、4、5普通型电装的U、V、W电机线及N线接在单独的端子上，接线时按防爆型端子接线对照表。

1、The valve in drawing is in an intermediate position.

2、U, V, W motor line and N line for SMC-3, 4, 5 Common Electric is wired in a separate terminal board, line is wired according to explosion proof terminal control table.

(1) 普通型端子接线对照表 General Type Terminal Control Table

端子号 Terminal number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
原理图线号 Schematic Line No.	U	V	W	N	L3	2A	4A	6A	8A	14	15	16	17	18	19	21	22	23	24	25	26	27	28	29					

(2) 防爆型及SMC-3、4、5普通型端子接线对照表

Explosion Proof Type and SMC-3, 4, 5 Ordinary Type Terminal Control Table

端子号 Terminal number	U	V	W	E	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
原理图线号 Schematic Line No.	U	V	W	N	L3	2A	4A	6A	8A	14	15	16	17	18	19	21	22	23	24	25	26	27	28	29

No.	代号 Code	名称 Name	No.	代号 Code	名称 Name
1	KO KC	交流接触器 AC contactor	9	R	电阻 Electric resistance
2	M	S三相异步电机 S three phase asynchronous motor	10	RP1	位置电位器 Position potentiometer
3	KH	热继电器 Thermal relay	11	RP2	调节电位器 Regulator potentiometer
4	FU	熔断器 Fuse	12	SL2-SL16	限位开关 Limit switch
5	QC	电源开关 Power switch	13	STO STC	转矩开关 Torque switch
6	HW HE HG	指示灯 Pilot lamp	14	RH1 RH2	加热电阻 Heating resistor
7	SS SO SC	远控按钮开关 Remote control button switch	15	Idc	开度表 Opening statement
8	T	变压器 Voltage changer			

备注：基本型 带行程、力矩无零点
Note: The basic type with stroke, torque passive point