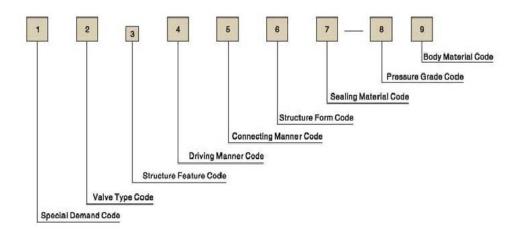
Deseen International

Cast steel valve and Stainless valve





1. Special Demand Code: K-anti-sulphur type D-low-temperature type

L-Lengthened rod type 0-oxygen specific type

2, Valve Type Code: Q-ball valve

3, Structure Feature Code: W-Welding Structure T-Track Type J-Jacketed Type

4, Driving manner Code: 3-worm wheel and screw transmission 6-air-operated

7-hydro dynamically operated 8-air-hydro operated

9(B)-electric driving(explosion-proof)/(handle transmission)

5, Connecting Manner Code:1 - Internal thread connecting 2-external thread connecting

4-flange connecting 6-welded connection

7-wafer type 8-buckle connecting

6, Struture Form Code: 1-Straight-through Floating Type 4-Floating Type*L*mode Three-way

5-Floating Type*T*mode Three-way 7-Staight-through Fixed Type 8-Fixed Type *T*model Three-way 9-Fixed Type*L*model Three-way

7, Sealing material Code: Y-hard alloy F-polyterafluoroethylene(PTFE)

N-nylon P-Pata-position polyphenylene

8、Pressure Grade Code: 10 x nominal rating pressure MPa, the pound grade is actual number

9. Valve Material Code: C-WCB I-WC6, ZG1Cr5Mo
V-WC9, ZG20CrMoV P-CF8, ZG1Cr18Ni9Ti

R-CF8M, ZG1Cr18Ni12Mo2Ti S-CF3 L-CF3M F-LCB N-LC3

Notes:PN≥2.5MPa and pressure≥Class150 carbon steel valve body omits the code.

Example1: Q647Y-64R

denotes 6.4 MPa nominal rating pressure, air—oper, flange—connecting, full bore trunnion type ball valve, CFSM valve material, and hard—alloy sealing material;

Example2: QW967F-150

denotes Class 150 pressure grade electric driving, welded connection, fixed type & welded structure, carbon steel body material and PTFE sealing material.

1



Product design features

Serial floating ball valves are mainly applied to ntural gas, oil products, chemical engineering, metallurgy, city building, environment protection, pharmacy and food industries, among which the anti-sulphr series are used for long delivery pipes of natural gas that contains hydrogen sulphide medium, a lot of impurity and corrosive substances.

The design features of the floating ball valves include:

Specific Sealing Structure of Valve Base

Double cant elastic seal ting or V-shaped groove seal ring structural design is adopted to ensure sealing reliability. As for low-pressure, ultra-low pressure or vacuum-operated ball valves, a plate spring-loaded sealing structure of valve base is adopted to ensure their long-term sealing reliability. As for moderate or high temperature ball valves, Para-Position polyphenylene or mental can be adopted for valve base material.

Antomatic pressure relief structure

When the pressure in cloaca cavity increases singularly, the cavity medium can push valve base by its own thrusting force, which results in automatic pressure relief and valve security assurance.

Reliable Sealing of Valve Rod

The valve rod adopts downward installation structure with back sealing. The sealing force will increase together with the hightening of medium pressure, which can ensure the sealing reliability. Moreover, even if the pressure in valve cavity increases singularly, the valve rod will not burst out.

Fire-resistant Structure

According to the operating condition and users requirement, ball valve can be designed with a fire resistant structure up to the fire—resistant standards of API607 and JB/T6899. Once the soft seal ring is burnt out on fire, the structure can avoid serious leaking of the medium and prevent the fire from scaling up.

Anti-static Structure

While operating the valve, the friction between the sphere and the base will produce static charges accumulating on the sphere. To avoid static sparkle, the fire-resistant device is designed to derive the accumulated static sparkle, charges from the sphere.

Locking Device

A locking structure is designed on the full-open and full-close spots of manual ball balves to avoid abnormal open-and -close produced by misoperation or unperation or unpredictable circuit vibration. On production lines of petroleum and chemicals of flammable mediums, and during the course of outdoor piping, the design is especially advantgeous and practical.

Full Bore Structure and Reduced Bore Structure

The two structure series are produced to meet different requirement of users. The passage inside diameter of full ball valves is the same as that of valve pipe, which is convenient for pipe cleaning. The weight of retractive diameter ball valves is relativ—ely lighter, but the fluid resistance is just 1/7 that of stop valves with the same caliber. Therefore, the application prospects of retractive diameter series is much better.

Products performance specification

Draw	sure		1	Nominal (PN)			Pound	(Class)			
FIE	isure	1.6	2.5	4.0	6.4	10.0	150	300	400	600		
Test	Shell test	2.4	3.75	6.0	9.6	15.0	3.1	7.5	10.2	15.0		
(MPa)	Sealing test	1.76	2.75	4.4	7.04	11.0	2.2	5,5	7.48	11.0		
Applicable	temperature		-196°C-550°C (Different materials for different operating temperature)									
Applicable	Ordinary type				Water	r, oil and natu	ral gas					
medium	Antisulphur type			N	atural gas con	taining HaS ar	nd GO,petrole	um				



产品規格 Products specification (K) Q41, (K) 341, (K) Q641, (K) Q741, (K) Q841, (K) Q841 系列型号 Serial Model (K) Q61, (K) Q361, (K) Q661, (K) Q761, (K) Q861, (K) Q961 压力等级范围 Pressure Grade Range 公称通径范围 Nominal size DN15-200mm 1/2"-8" PN1.6~10MPa CLASS150-600 手柄驱动 Handle driving DN15~300mm 1/2"-12" 鍼轮螺杆 薬功 Worm gear and screw driving PN1.6-4.0MPa PN6.4-10.0MPa CLASS150~300 CLASS400-800 驱动方式及 DN80-100mm 3'-4' DN150~200mm 6"-12" 适用范围 Driving Manner and Scope of PN1.6~10MPa CLASS150~600 气动、液动 Air-operating and fluid driving Application DN15-300mm 1/2"-12" PN1.6-4.0MPa PN6.4-10.0MPs CLASS150-300 CLASS400-600 电动 Electric Driving DN150-200mm

注:本公司可根据用户要求提供产品 Notes:our company can provide products at customers' requirement.

浮动式球阀力矩表(N.M) Floating ball valve torque form 压力(MPa) Pressure 20 25 50 80 100 200 2.5 3 5 11 18 60 80 140 -400 680 30 300 10 24 50 100 450 585 996 6.4 15 50 80 300 400 30 100 200

注:表中所列数据未经实际测定,仅供参考。 Notes:The data in the form are not practically measured, and just for reference.

压力(MPa) 通移(mm) Size Pressure	1/2	3/4	31	11/2	2	21/2	3	4	5	6	8
150	3	5	11	16	50	50	65	125	250	410	700
300	7	12	26	38	120	120	180	280	600	950	1550
400	15	30	50	90	240	240	350	540	-	-	*
600	19	35	68	130	360	360	460	770	-	-	-

注: 表中所列数据未经实际测定、仅供参考。 Notes:The data in the form are not practically measured, and just for reference.





技术规范 Technical specification

设计依据	Design Reference	GB	API	ANSI
设计标准	Design Standard	GB/T 12237	API 6D	ANSI B16.34
结构长度	法兰连接 Flange connecting	GB/T 12221	API 6D	ANSI B16.10
Face to Face	焊接 Welded commection	GB/T 15188.1	API6D	ANSI B16.10
连接法	≝ Flanged ends	GB/T 9113 JB/T 79	ANSI B1	6.5, B16.47
对焊網B	utt-welding ends	GB/T 12224	ANS	I B16.25
试验和检验	Test & Inspection	JB/T 9092	API 6D	API 598

注:系列阀门连接法兰及对焊缆尺寸可模据用户要求设计制造。 Notes:The sizes of serial valve connecting flange and butt-welding terminal can be designed according to customer's requirement.

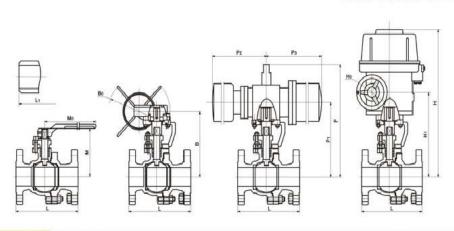
主要零件材质表 Form of major parts materials

序号	零件名称	材度N	laterial	序号	零件名称	材质A	Material
No	Accessory name	GB	ANSI	No	Accessory name	GB	ANSI
1	右体 Bonnet	WCB	A216-WCB	9	整片 Gasket	PTFE	PTFE
2	螺母 Nut	35	A194-2H	10	填料 Packing	柔性石墨 Graphite	柔性石鶥 Graphite
3	無片 Gasket	素性石墨+不锈钢 Graphite+stainless steel	ASME B12.10-304/F.G.	11	填料压盖 Gland	WCB	A216-WCB
4	螺栓 Bolt	35CrMoA	A193-B7	12	罐钉 Screw nail	35	A194-2H
5	脚体 Body	WCB	A216-WCB	13	定位片 Locating piece	Q235A	Carbon steel
6	飼座 Seat	PTFE 25+HCr	PTFE	14	挡腰 ring	65Mn	AISI 1566
7	球体* Ball	1Cr13	A105+HCr	15	手柄 Wrench	КТ33	A47-887 Gr.32510
8	尚杯** Stem	1Cr13	A276-410				

注:"抗硫型阀门该零件的材质为GB(1Cr18Ni9+Ni.P)、ASTM(A182-304+Ni.P);""抗硫型阀门该零件的材质为GB(1Cr18Ni9)、ASTM(A276-321);系列阀门主要零部件及密封面的材质可根据实际工况条件或用户特殊要求设计选用。
Notes:"The material of this part about the anti-sulphur type valve is GB(1Cr18Ni9+Ni.P)、ASTM(A182-304+Ni.P);""The material of this part about the anti-sulphur type valve is GB(1Cr18Ni9),ASTM(A276-321);Major parts of the valve series and materials of sealing surface differ according to actual working condition and customer's special requirement.



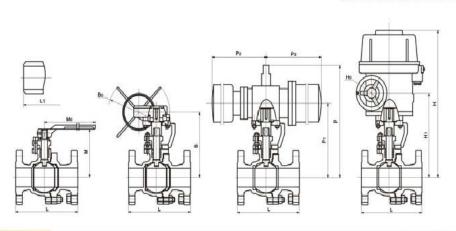
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PN1.6Mpa CLASS150 主要外形尺寸 Main size of outside DN 11/2 21/2 1/2 3/4 NPS in 法兰 Flange 对焊 Butt Welding 手动 Hand-Operated 蜗轮蜗杆 传动 Worm gear Be and Screw operated 型号Type 气动液动 Air-operating and fluid driving Pa 型号Type AW20 AG06 AG09 AG09 AG13 AG13 AG13 AG13 AW13 AW17 AW17 Hı 电动 Dirving 型号Type Q60-1 Q60-1 Q60-1 Q60-1 Q120-1 Q120-1 Q120-1



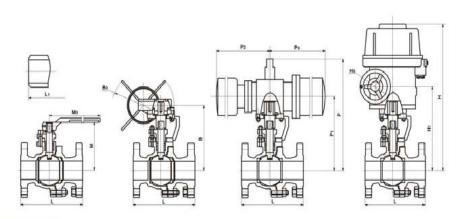
(K)Q(3, 7, 8, 9)4(6)1F(Y, N, P)



PN2.5 4.0Mpa CLASS300 主要外形尺寸 Main size of outside DN 1/2 3/4 11/2 21/2 NPS in 法並 Flange 对卿 Butt Welding 手动 Hand-Operated Мо В 蜗轮 蜗杆 传动 Worm gear and Screw operated 型号Type P 气动被动 Air-operating and fluid driving Pa 型号Type AG13 AG13 AW17 Hı Eectric Dirving 型号Type Q60-1 Q60-1 Q120-1 Q120-1 Q120-1 Q60-1 Q60-1



(K)Q(3, 7, 8, 9)4(6)1F(Y, N, P)



主要外形尺寸 Main size of outside

PN6.4 10.0Mpa CLASS400 600

DN	mm	15	20	25	40	50	65	80	100	125	150	200
NPS	in	1/2	3/4	1	11/2	2	21/2	3	4	5	6	8
法兰 Flange	L	165	190	216	241	292	330	356	406(432)*	-	(-)	-
对焊 Butt Welding	Lı	165	191	216	241	292	330	356	406(432)*	-	2	-
手助	М	59	63	75	95	167	180	198	198	-	-	-
Hand-Operated	Mo	160	160	230	400	400	650	650	1050	2	-	-
蜗轮蜗杆传动	В	-	-	-	-	-	2.5	292	398	-	-	-
Worm gear and Screw	Во	(4)	-	-	-	12.	-	400	600	-	-	-
operated	型号Type	\ -	-		-	-	1375	A	В	-	, - (1	-
	Р	200	204	241	284	340	379	452	584	-	-	7.4
	Pi	122	145	146	169	209	248	295	375	9	-	-
气动 液动 Air-operating and fluid driving	P ₂	283	283	283	350	590	590	523	610	-	-	i e
and iluid Criving	Pa	136	181	181	181	257	257	287	378	-	-	-
	型号Type	AG09	AG09	AG09	AG09	AG13	AG13	AG13	AW17	-	**:	-
	н	12	_	2	2	472	599	599	632	2		14
电动 Eectric	Hı	1.7	-	-	-	377	449	449	472	-		
Dirving	Но	-	-	-		190	190	190	1900	2		12
	型号Type		_	_	_	Q120-1	Q120-1	Q120-1	Q120-1	_	_	

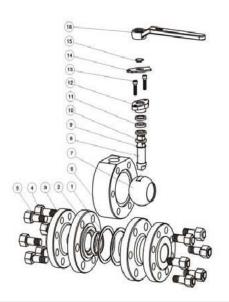
^{*()} 内为PN10.0MPa、Class600尺寸

Deseen International

Cast steel valve and Stainless valve







技术规范 Technical specification

设计依据	Design Reference	GB	API	ANSI		
设计标准	Design Standard	GB/T 12237	API 6D	ANSI B16.34		
结构长度	法兰连接 Flange connecting	GB/T 12221	ADIAD	41101 040 40		
Face to Face	焊接 Welded commection	GB/T 15188.1	API 6D	ANSI B16.10		
连接法	≛ Flanged ends	GB/T 9113 JB/T 79	ANSI B1	5.5, B16.47		
对焊網B	utt-welding ends	GB/T 12224	ANS	B16.25		
试验和检验	Test & Inspection	JB/T 9092	API 6D	API 598		

注:系列阀门连接法兰及对焊绳尺寸可根据用户要求设计制造。 Notes:The sizes of serial valve connecting flange and butt-welding terminal can be designed according to customer's requirement.

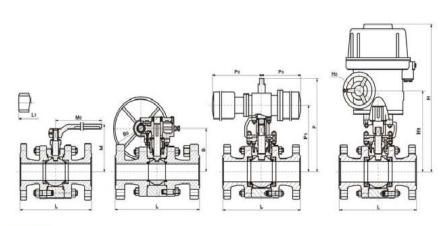
主要零件材质表 Form of major parts materials

序号	零件名称 Accessory name 並片 Gasket Gre 関連 Seat 古体 Bonnet 螺柱 Stud 阿体 Body 球体 Ball	材质 Ma	aterial	亦号	零件名称	材质 Material			
No	Accessory name	GB	ASTM	No	Accessory name	GB	ASTM		
1	垫片 Gasket	柔性石墨+不锈钢 Graphite+stainless steel	B12.10-304/F.G.	9	垫片 Gasket	PTFE	PTFE		
2	調座 Seat	PTFE	PTFE	10	填料垫 Packing seat	1Cr13	A270-410		
3	右体 Bonnet	25	A105	11	填料 Packing	柔性石鏃 Graphite	柔性石鶥 Graphite		
4	螺母 Nut	35	A194-2H	12	填料压盖 Gland	WCB	A216-WCB		
5	螺柱 Stud	35CrMoA	A193-B7	13	螺栓 Bolt	35CrMoA	A193-B7		
6	網体 Body	25	A1 05	14	定位片 Locating piece	Q235A	Carbon steel		
7	球体* Ball	25+HCr	A105+HCr	15	挡圈 ring	65Mn	AISI 1566		
8	資杆** Stem	1Cr13	A270-410		手柄 Wrench	ктээ	A47-667 Gr.3251		

注:"抗硫型阀门该零件的材质为GB(1Cr18Ni9+Ni.P)、ASTM(A182-304+Ni.P); **抗硫型阀门该零件的材质为GB(1Cr18Ni9)、ASTM(A276-321); 系列阀门主要零部件及密封面的材质可根据实际工况条件或用户特殊要求设计选用。
Notes:"The material of this part about the anti-sulphur type valve is GB(1Cr18Ni9+Ni.P)、ASTM(A182-304+Ni.P);**The material of this part about the anti-sulphur type valve is GB(1Cr18Ni9)、ASTM(A276-321);Major parts of the valve series and materials of sealing surface differ according to actual working condition and customer's special requirement.



(K)Q(3, 7, 8, 9)4(6)1F(Y, N, P)

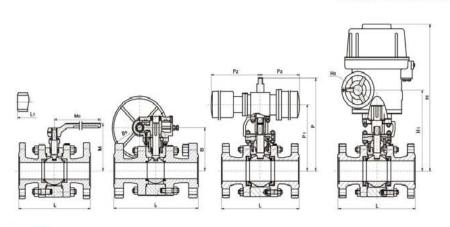


主要外形尺寸 Main size of outside PN1.6Mpa CLASS150 DN mm 15 20 25 40 50 65 80 100 125 150 200

DN	mm	15	20	25	40	50	65	80	100	125	150	200
NPS	in	1/2	3/4	1	11/2	2	21/2	3	4	5	6	8
法兰 Flange	L	108	117	127	185	178	191	203	229	356	394	457
对焊 Butt Welding	Li	140	152	165	190	216	241	283	305	381	457	521
手动	М	73	78	86	102	130	142	191	200	226	242	521
Hand-Operated	Мо	130	130	160	108	230	400	400	650	750	750	285
編轮編杆传动	В	-	-	-		-	100	-	-	(5)	260	950
Worm gear and Screw	Во	-	-	4	40	-	12	2	2	-	400	300
operated	型号Type	(H)	-	-	(#)	· ·	: (*)	-	-	(#)	A	В
	Р	203	234	242	326	354	366	415	485	607	623	742
	Pt	125	139	247	195	223	235	284	328	398	414	498
气动 液动 Air-operating and fluid driving	Pa	326	326	347	420	426	426	590	523	610	610	885
	Pa	136	136	181	181	257	257	257	287	378	378	530
	型号Type	AG06	AG09	AG09	AG13	AG13	AG13	AG13	AW13	AW17	AW17	AW20
	н	-	-	-	. /i	432	443	454	493	574	646	678
电动 Eectric	Hı		-		-	377	348	359	398	424	496	528
Dirving	Но	-	-	-	-	190	190	190	190	400	400	400
	型号Type	-	-	_	-	Q60-1	Q60-1	Q60-1	Q60-1	Q120-1	Q120-1	Q120-



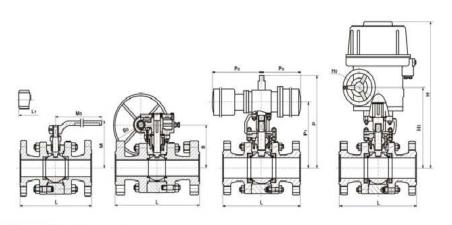
(K)Q(3, 7, 8, 9)4(6)1F(Y, N, P)



主要外形尺寸 Main Size of outside PN2.5 4.0Mpa CLASS300 DN 1/2 11/2 21/2 法兰 Flange 对焊 Butt Welding Li Hand-Operated Mo 蜘纶 蜗杆 传动 Worm gear and Screw Bo operated 型号Type В A Pi 气动液动 Air-operating and fluid driving Pa 型号Type AG06 AG09 AG09 AG13 AG13 AG13 AG13 AW13 AW17 AW17 AW20 电动 Eectric Dirving ---型号Type Q60-1 Q60-1 Q60-1 Q60-1 Q120-1 Q120-1 Q120-1



(K)Q(3, 7, 8, 9)4(6)1F(Y, N, P)



主要外形尺寸 Main size of outside

PN6.4 10.0Mpa CLASS400 600

DN	mm	15	20	25	40	50	65	80	100	125	150	200
NPS	in	1/2	3/4	1	11/2	2	21/2	3	4	5	6	8
法兰 Flange	L	165	191	216	241	292	330	3356	406(432)*	-	-	-
对焊 Butt Welding	Lı	165	191	216	241	292	330	356	406(432)*	2	-	- 4
手助	М	73	80	86	110	142	171	185	220	=	-	-
Hand-Operated	Mo	160	160	230	400	400	650	850	1050	-	21	12
網轮 網杆 传动	В		-	-	-			182	217		-	-
Worm gear and Screw	Во	1-	-	-	-	121	25	280	400	-	-	-
operated	型号Type	/=	-		-	171	1.5	0	А	-	(-
	P	229	236	242	266	366	395	470	601	-	-	
2000000	P ₁	134	141	147	171	235	264	313	392	9	-	-
气动 液动 Air-operating and fluid driving	Pz	283	283	283	350	590	590	523	610	-	-	-
	Pá	136	181	181	181	257	257	287	378	2	-	-
	型号Type	AG09	AG09	AG09	AG09	AG13	AG13	AG13	AW17	-		-
	н	-	-	-	(4)	500	520	545	558	2	4	-
电动 Eectric	Н1	157	7.	-	.50	350	370	395	408	-	- 5:	-
Dirving	Но	-	-	-	-	190	190	190	190	-	-	- 4
	型号Type	_	_	_	-	Q120-1	Q120-1	Q120-1	Q120-1	-	-	-

^{*()} 内为PN10.0MPa、Class600尺寸



Product design features

Serial floating ball valves are mainly applied to natural gas, oil products, chemical engineering, metallurgy, city building, env-ironment protection, pharmacy and food industries, among which the anti-sulphr series are used for long delivery pipes of natural gas that contains hydrogen sulphide medium, a lot of impurity and corrosive substances.

The design features of the floating ball valves include:

Construction of the shell

The valve bush of the startionary ball valve can be designed to three types: casting construction, forging construction, and full welding construction, according to user's demand or different working condition. And the ball valve of the full welding construction is mainly applied to underground operation.

The unique sealed structure of Valve seat

Pre-ball sealed structure, post-ball sealed structure or pre-post-ball double sealed structures are available for choosing to different pressure, medium properties, and sealing requirements of the fixed ball valves.

Antomatic pressure relief structure

When an abnormal rising of pressure appear in the hollow cavity, the single sealed-structure takes on the function of automatic pressure relieving, while the double-sealed struture can finish the job through a attached pressure-reliving device to the valve body.

Emergent repairman for the sealed structure

When leaking was caused by damage on the valve seat or valve stick, the sealed grease injected through the grease feeding valve can seal the valve at once.

Fire-resistant Structure

According to the operating condition and users requirement, ball valve can be designed with a fire resistant structure up to the fire—resistant standards of API 607 and JB/T6899. Once the soft seal ring is burnt out on fire, the structure can avoid serious leaking of the medium and prevent the fire from scaling up.

Anti-static Structure

While operating the valve, the friction between the sphere and the base will produce static charges accumulating on the sphere. To avoid static sparkle, the fire-resistant device is designed to derive the accumulated static sparkle, charges from the sphere.

Jam and release

When the valve is close, the valve seats will stop the effluence, and the precipitate in the canvity can be released through the releasing device.

Locking Device

A locking structure is designed on the full-open and full-close spots of manual ball valves to avoid abnormal open-and -close produced by misoperation or unpredictable circuit vibration. On production lines of petroleum and chemicals of flammable mediums, and during the course of outdoor piping, the design is especially advantgeous and practical.

Full Bore Structure and Reduced Bore Structure

The two structure series are produced to meet different requirement of users. The passage inside diameter of full ball valves is the same as that of valve pipe, which is convenient for pipe cleaning. The weight of retractive diameter ball valves is relatively lighter, but the fluid resistance is just 1/7 that of stop valves with the same caliber. Therefore, the application prospects of retractive diameter series is much better.

Products performance specification

Den	sure			No	ominal (P	N)					Pound	(Class)		
I-161	saure	1.6	2.5	4.0	6.4	10.0	15.0	25.0	150	300	400	600	900	1500
Test	Shell test	2.4	3.75	6.0	9.6	15.0	22,5	37.5	3.03	7.5	10.2	15.0	22.5	37.5
(MPa)	Sealing test	1.76	2.75	4.4	7.04	11.0	16,5	27.5	2.2	5.5	7.48	11.0	16.5	27.5
Applicable	temperature			-1	196°C~550	C (Diffe	rent mate	rials for di	ifferent op	erating to	mperatur	e)		7.0
Applicable	Ordinary type						Water	oil and na	itural gas					
medium	Antisulphur type					Natural	gas conta	ning H2S	and GO, p	etroleum				



产品規格 Products specification

系列型号		(K) Q47, (K) G	347, (K) Q647, (K)	Q847, (K) Q947	
Serial Model		(K) Q67, (K) Q367,	(K) Q867, (K) Q767,	(K) Q867, (K) Q967	
压力等级范围 Pressure Grade Range		PN1.6-10MPa		CLASS1	50~1500
公本通径范围 Nominal size		DN50-800mm		2*-	·32*
	手模驱动	PN1.6-4.0MPa	PN6.4-25.0MPa	CLASS150~300	CLASS400-1500
	Handle driving	DN50~150mm	DN50-80mm	2"-6"	2"-3"
	朝轮蜗杆 驱动	PN1.6~4.0MPa	PN6.4~25.0MPa	CLASS150~300	CLASS400-1500
驱动方式及 适用范围	Worm gear and screw driving	DN1200-1500mm	DN100~1500mm	860.	4*-60*
Driving Manner and Scope of Application	气动、液动	PN6.4-25.0MPa	CLASS150~400	CLASS600	CLASS900-1500
	Air-operating and fluid driving	DN50=1000mm	2*=40*	2'~28'	2*~24*
	电动	PN6.4-	25.0MPa	CLASS150~600	GLASS900~1500
	Electric Driving	DN150-	1500mm	6'60'	4'-24'

注:本公司可根据用户要求提供产品 Notes:our company can provide products at customers' requirement.

固定式球費力矩賽(N.M) Trunnion type ball valve torque form

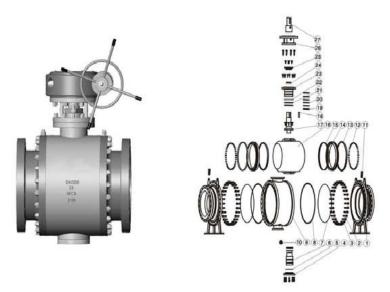
压力(Mpa) Size Pressure	50	85	80	100	125	150	200	250	300	350	400	450	500	600	700	800
PN1.6	25	50	65	125	250	340	485	810	1310	1810	2860	4500	5860	8920	13320	24000
PN2.5	30	60	80	140	300	400	680	1140	1870	2740	4150	6500	7800	13210	19830	35420
PN4.0	50	100	150	250	450	585	996	1690	2800	4110	6300	8900	12000	20380	30870	55200
PN6.4	100	200	300	400	650	890	1500	2560	4290	6320	9750	13500	18660	31820	48020	86830
PN10.0	190	360	460	770	1050	1980	3280	5250	7200	9860	14500	19600	29000	42500	58000	82000

注: 安中所列数据未经实际测定,仅供参考。 Notes:The data in the form are not practically measured, and just for reference.

通径(mm) Size Class	2	21/2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40
150	25	50	65	125	250	410	700	1100	1750	2600	3900	6200	7500	10500	14500	21000	28000	35000
300	60	120	160	280	600	950	1550	2000	3300	5000	7500	11800	14400	19600	28200	29800	40000	45000
400	140	240	350	540	740	1280	1910	32500	5340	7500	10000	12400	18500	29500	40500	53000	51000	71000
600	190	360	460	770	1050	1980	3280	5250	7200	9860	14500	19600	29000	42500	58000	62000	75000	105000

注:表中所列數据未經变际测定,仅供参考。 Notes:The data in the form are not practically measured, and just for reference.





技术規范 Technical specification

设计依据 Design Reference	ĠB	API	ANŜI
设计标准 Design Standard	JB/T7745 GB/T12237	API 6D	ANSI B16.34
结构长度 Face to Face	GB/T12221	API 6D	ANSI B16.10
连接法兰 Flanged ends	GB/T9113、JB/T79	ANSI B10	6.5, B16.47
试验和检验 Test & Inspection	JB/T9092	API 6D	API 598

注: 1、系列阀门连接法兰端尺寸可根据用户要求设计制造。 2、DN>1000(40")阀门设计标准按《长输管线阀门技术条件》 Notes:1.The sizes of serial valve connecting flange ends can be designed according to customer's requirement. 2.DN>1000(40"),the design standard is accordance with 《Specification of the length pipe valve》.

主要零件材质表 Form of major parts materials

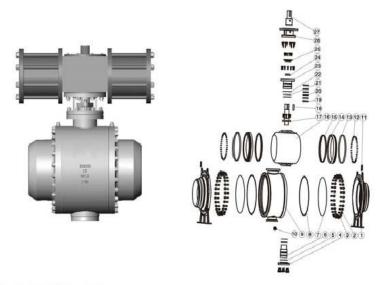
序号	零件名称	材质 M	laterial	序号	零件名称	材质 M	laterial
No	Accessory name	GB	ASTM	No	Accessory name	GB	ASTM
1	左右体 Bonnet	WCB	A216-WCB	15	密封團 Sealing ring	PTFE	PTFE
2	螺柱 Stud	35CrMoA	A193-B7	16	球体**Ball	WCB+HCr	WGB+HCr
3	螺母 Nut	35	A194-2H	17	上鋼杆®Stem	1Cr13	A270-410
4	底蓋 Bottom Cover	25	A105	18	键 Key	45	AISI C 1045
5	整片 Gasket	蛋性石量+不锈鋼 Graphite+stainless steel	B12.10-304/F.G.	19	填料垫 Packing seat	1Cr13	A270-410
6	下倒杆* Stem	1Cr13	A270-410	20	填料 Packing	柔性石墨 Graphite	柔性石墨 Graphite
7	O型團 "O" Ring	橡胶 Rubber	橡胶 Rubber	21	O型圈 *O* Ring	橡胶 Rubber	橡胶 Rubber
8	垫片 Gasket	聚性石墨+不锈钢 Graphite+stainless steel	B12.10-304/F.G.	22	垫片 Gasket	果性石墨+不锈锅 Graphite+stainless steel	B12.10-304/F.G.
9	資体 Body	WCB	A216-WCB	23	简盖 Cover	25	A105
10	排污潜头 Blow down stopple	25	A105	24	O型面 "O" Ring	橡胶 Rubber	橡胶 Rubber
11	注照概 Grease injection valve	1Cr13	A270-410	25	填料压盖 Gland	WCB	A216-WCB
12	弹簧 Spring	60Si2Mn	ANSI 9260	26	支架 Yoke	WCB	A216-WCB
13	O型關 "O" Ring	橡胶 Rubber	橡胶 Rubber	27	连接套 Connection set	45	ANSI 1045
14	阀座*Seat	25	A105				

注:"抗硫型阀门该零件的材质为GB(1Cr18Ni9)、ASTM(A276–321); "*抗硫型阀门该零件的材质为GB(1Cr18Ni9、CF8+Ni.P)、ASTM(A182–304、CF+Ni.P); 系列阀门主要零部件及密封面的材质可根据实际工况条件或用户特殊要求设计选用。
Notes:*The material of this part about the anti–sulphur type valve is GB(1Cr18Ni9)、ASTM(A276–321);**The material of this part about the anti–sulphur type valve is (1Cr18Ni9)、ASTM(A182–304、CF+Ni.P);Major parts of the valve series and materials of sealing surface differ according to actual working condition and customer's special requirement.

Deseen International

Cast steel valve and Stainless valve





技术規范 Technical specification

设计依据 Design Reference	GB	API	ANSI
设计标准 Design Standard	JB/T7745 GB/T12237	API 6D	ANSI B16.34
结构长度 Face to Face	GB/T15188.1	API 6D	ANSI B16.10
对焊缆 Butt-wdiding ends	GB/T12224	ANS	B16.25
试验和检验 Test & Inspection	JB/T9092	API 6D	API 598

注: 1、系列阀门连接法兰端尺寸可根据用户要求设计制造。 2、DN>1000(40")阀门设计标准按《长翰管线阀门技术条件》 Notes:1.The sizes of serial valve connecting flange ends can be designed according to customer's requirement. 2.DN>1000(40"),the design standard is accordance with 《Specification of the length pipe valve》.

主要零件材质表 Form of major parts materials

字号	零件名称	材质 M	laterial	序号	零件名称	材质 M	laterial
No	Accessory name	GB	ASTM	No	Accessory name	GB	ASTM
1	左右体 Bonnet	WCB	A216-WCB	15	密封國 Sealing ring	PTFE	PTFE
2	螺柱 Stud	35CrMoA	A193-B7	16	球体**Ball	WCB+HCr	WCB+HCr
3	螺母 Nut	35	A194-2H	17	上個杆* Stem	1Cr13	A270-410
4	庭蓋 Bottom Cover	25	A105	18	键 Key	45	AISI C 1045
5	整片 Gasket	素性石量+不锈钢 Graphite+stainless steel	B12.10-304/F.G.	19	填料垫 Packing seat	1Cr13	A270-410
6	下阀杆* Stem	1Cr13	A270-410	20	填料 Packing	柔性石墨 Graphite	柔性石墨 Graphite
7	O型图 "O" Ring	橡胶 Rubber	橡胶 Rubber	21	O型图 "O" Ring	橡胶 Rubber	橡胶 Rubber
8	整片 Gasket	素性石墨+不锈钢 Graphite+stainless steel	B12.10-304/F.G.	22	整片 Gasket	素性石墨+不锈钢 Graphite+stainless steet	B12.10-304/F.G.
9	個体 Body	WCB	A216-WCB	23	商益 Cover	25	A105
10	排污增头 Blow down stopple	25	A105	24	O型图 *O* Ring	橡胶 Rubber	橡胶 Rubber
11	注脳側 Grease injection valve	1Cr13	A270-410	25	填料压盖 Gland	WCB	A216-WCB
12	弹簧 Spring	60Si2Mn	ANSI 9260	26	支架 Yoke	WCB	A216-WCB
13	O型画 "O" Ring	橡胶 Rubber	橡胶 Rubber	27	连接套 Connection set	45	ANSI 1045
14	何座* Seat	25	A105				

注:"抗硫型阀门该零件的材质为GB(1Cr18Ni9)、ASTM(A276–321); ""抗硫型阀门该零件的材质为GB(1Cr18Ni9、CF8+Ni.P)、ASTM(A182–304、CF+Ni.P); 系列阀门主要零部件及密封面的材质可根据实际工况条件或用户特殊要求设计选用。
Notes: "The material of this part about the anti–sulphur type valve is GB(1Cr18Ni9)、ASTM(A276–321); "The material of this part about the anti–sulphur type valve is (1Cr18Ni9)、ASTM(A182–304、CF+Ni.P);Major parts of the valve series and materials of sealing surface differ according to actual working condition and customer's special requirement.







技术規范 Technical specification

设计依据 Design Reference	GB	API	ANSI
设计标准 Design Standard	JB/T7745 GB/T12237	API 6D	ANSI B16.34
结构长度 Face to Face	GB/T12221	API 6D	ANSI B16.10
连接法兰Flanged ends	GB/T9113、JB/T79	ANSI B1	6.5、B16.47
试验和检验 Test & Inspection	JB/T9092	API 6D	API 598

注: 1、系列阀门连接法兰端尺寸可根据用户要求设计制造。 2、DN>1000(40")阀门设计标准按(长输管线阀门技术条件) Notes:1.The sizes of serial valve connecting flange ends can be designed according to customer's requirement. 2.DN>1000(40"), the design standard is accordance with 《Specification of the length pipe valve》.

主要零件制质表 Form of major parts materials

字号	零件名称	材质 M	aterial	序号	零件名称	材质 M	laterial
No	Accessory name	GB	ASTM	No	Accessory name	GB	ASTM
1	O型團 "O" Ring	橡胶 Rubber	橡胶 Rubber	13	球体**Ball	25+HCr	A105+HCr
2	密封圈 Sealing ring	PTFE	PTFE	14	神査 Bushing	PTFE & stainless steel	PTFE & stainless steel
3	網座* Seat	25	A105	15	上阀杆* Stem	1Cr13	A270-410
4	弹簧 Spring	60Si2Mn	AISI 9260	16	掛片 Gasket	操性石墨+不锈钢 Graphite+stainless steel	B12.10-304/F.G.
5	螺柱 Stud	35CrMoA	A193-B7	17	阀盖 Cover	25	A105
8	左右体 Bonnet	25	A105	18	填料 Packing	柔性石墨 Graphite	乘性石墨 Graphite
7	注顧價 Grease injection valve	1Cr13	A270-410	19	支架 Yoke	WCB	A216-WCB
8	垫片 Gasket	流性石器+不锈钢 Graphite+stainless steel	B12.10-304/F.G.	20	驱动装置 Driving		
9	下阀杆*Stem	1Cr13	A270-410	21	连接套 Connection set	45	AISI C 1045
10	整片 Gasket	委性石器+不锈鋼 Graphite+stainless steel	B12.10-304/F.G.	22	填料压盖 Gland	WCB	A216-WCB
11	村套 Bushing	PTFE & stainless steel	PTFE & stainless steel	23	定位销 Fitting pin	1Cr13	A270-410
12	简体 Body	25	A105	24	排污增头 Blow down stopple	25	A105

注: "抗硫型阀门该零件的材质为GB(1Cr18Ni9)、ASTM(A276–321); "*抗硫型阀门该零件的材质为GB(1Cr18Ni9、CF8+Ni.P)、ASTM(A182–304、CF+Ni.P); 系列阀门主要零部件及密封面的材质可根据实际工况条件或用户特殊要求设计选用。
Notes: "The material of this part about the anti–sulphur type valve is GB(1Cr18Ni9)、ASTM(A276–321); "The material of this part about the anti–sulphur type valve is 【1Cr18Ni9、CF8+Ni.P)、ASTM(A182–304、CF+Ni.P); Major parts of the valve series and materials of sealing surface differ according to actual working condition and customer's special requirement.







技术規范 Technical specification

设计依据 Design Reference	GB	API	ANSI
设计标准 Design Standard	JB/T7745 GB/T12237	API 6D	ANSI B16.34
结构长度 Face to Face	GB/T15188.1	API 6D	ANSI B16.10
对焊连接 Butt-wdlding ends	GB/T12224	ANS	B16.25
试验和检验 Test & Inspection	JB/T9092	API 6D	API 598

注: 1、系列阀门连接法兰端尺寸可根据用户要求设计制造。 2、DN>1000(40")阀门设计标准按《长输管线阀门技术条件》 Notes:1.The sizes of serial valve connecting flange ends can be designed according to customer's requirement. 2.DN>1000(40"),the design standard is accordance with 《Specification of the length pipe valve》.

主要零件材质表 Form of major parts materials

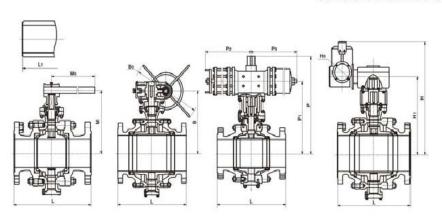
序号	零件名称	材质 M	laterial	序号	零件名称	材质 M	laterial
No	Accessory name	GB	ASTM	No	Accessory name	GB	ASTM
1	O型圈 "O" Ring	橡胶 Rubber	橡胶 Rubber	13	球体**Ball	25+HCr	A105+HCr
2	密封圖 Sealing ring	PTFE	PTFE	14	村套 Bushing	PTFE & stainless steel	PTFE & stainless steel
3	稠座" Seat	25	A105	15	上海杆* Stem	1Cr13	A270-410
4	弹簧 Spring	60Si2Mn	AISI 9260	16	董片 Gasket	聚性石墨+不锈钢 Graphits+stainless steel	B12.10-304/F.G.
5	螺柱 Stud	35CrMoA	A193-B7	17	舞盖 Cover	25	A105
6	左右体 Bonnet	25	A105	18	填料 Packing	柔性石墨 Graphite	柔性石墨 Graphite
7	注脳側 Grease injection valve	1Cr13	A270-410	19	支架 Yoke	WCB	A216-WCB
8	垫片 Gasket	派性石器+不锈钢 Graphito+stainless steel	B12.10-304/F.G.	20	驱动装置 Driving		
9	下阀杆* Stem	1Cr13	A270-410	21	连接套 Connection set	45	AISI C 1045
10	整片 Gasket	柔性石器+不锈筒 Graphite+stainless steel	B12.10-304/F.G.	22	填料压盖 Gland	WCB	A216-WCB
11	村套 Bushing	PTFE & stainless steel	PTFE & stainless steel	23	定位销 Fitting pin	1Cr13	A270-410
12	简体 Body	25	A105	24	排污增头 Blow down stopple	25	A105

注: "抗硫型阀门该零件的材质为GB(1Cr18Ni9)、ASTM(A276–321); "抗硫型阀门该零件的材质为GB(1Cr18Ni9、CF8+Ni.P)、ASTM(A182–304、CF+Ni.P); 系列阀门主要零部件及密封面的材质可根据实际工况条件或用户特殊要求设计选用。
Notes: "The material of this part about the anti–sulphur type valve is GB(1Cr18Ni9)、ASTM(A276–321);" "The material of this part about the anti–sulphur type valve is (1Cr18Ni9、CF8+Ni.P)、ASTM(A182–304、CF+Ni.P); Major parts of the valve series and

materials of sealing surface differ according to actual working condition and customer's special requirement.



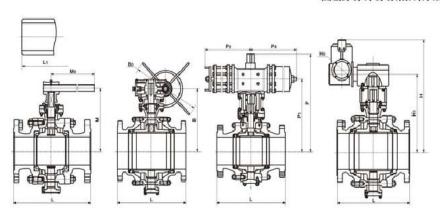
(K)Q(3, 6, 7, 8, 9)4(6)7F(Y, N, P)



主要外形	尺寸	Ma	in si	ze of	outs	side														PN	1.6MP	a Cla	ss150
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	150
NPS	In	2	21/2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	42	48	56	60
法 兰 Flange	L	178	191	203	229	356	394	457	533	610	686	762	864	914	1067	1245	1372	1524	1721	1829	2180	2300	240
对爆 Butt Welding	Lt	216	241	283	305	381	457	521	559	635	762	838	914	991	1143	1346	1524	1727	1930	1689	2100	2250	240
手动 Hand-	M	107	125	152	178	300	330	-	-	~		-	-	-	-		-	-	×	-	-	-	-
Operated	Мо	230	400	400	650	1050	1050	-	-	=	-	-	-	12	2	-2	-	2	2		2	2	2
観轮 銀杆	В	-	-	-	-	-		398	495	580	625	670	698	840	1050	1100	1150	1230	1230	1480	1610	1780	186
传动 Worm	Bo	4	-	12	-	-	(#)	600	600	800	800	800	800	800	800	800	800	800	800	800	800	800	80
gear and Screw operated	型号 Type	-	-	-		-	-	В	В	С	С	D	D	D	DA	DA	DB	DB	DC	DC	DD	DH	DI
	p	269	379	389	479	552	666	804	839	972	1127	1459	1529	1559	1145	1160	1460	1540	1630	1	7.	-	-
气动液动 Air-	Pı	174	248	258	322	395	457	595	630	728	883	1154	1224	1294	915	930	1100	1180	1280	121	=	-	-
operating and	P ₂	89	148	148	287	287	378	378	378	530	530	680	680	680	1455	1455	1685	1665	1960	-	-	-	-
fluid driving	Pa	181	257	257	287	287	378	378	378	530	530	680	680	680	1455	1455	1665	1668	1960	-	-	-	-
	型号 Type	AG 09	AG 13	AG 13	AW 13	AW 13	AW 17	AW 17	AW 17	AW 20	AW 20	AW 28	AW 28	AW 28	C1- 355	C1- 355	C2- 490	C2- 490	C3- 600	2	100	0	1
	н	-		-	-	-	554	600	652	771	771	831	921	943	1123	1218	1328	1696	1925	2105	2245	2395	247
电动 Electric	Н1	20	-	-	-2	_	337	382	435	520	520	580	670	770	850	945	1055	1130	1240	1420	1560	1710	178
	Но	-	-	-	-	-	200	200	200	280	280	280	305	305	305	400	400	460	460	600	600	600	60
Univing	型号 Type	-	9 .	-		-	5MC-04		SMC-04			SMC-03				PERMIT	Schmes.	SMC-2			SMC-4 +H78C	5MG-4	



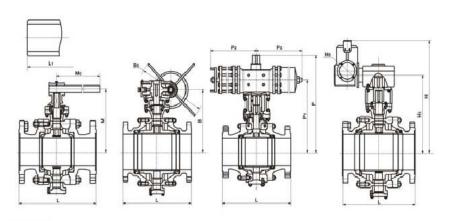
(K)Q(3, 6, 7, 8, 9)4(6)7F(Y, N, P)



DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	150
NPS	In	2	21/2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	42	48	56	600
法 兰 Flange	L	216	241	283	305	381	403	502	568	648	762	638	914	991	1143	1346	1524	1727	2083	2050	2180	2300	240
对焊 Butt Welding	Lı	216	241	283	305	381	403	521	559	635	762	838	914	991	1143	1346	1524	1727	2083	1960	2020	2250	240
手动 Hand-	M	107	125	152	178	300	330	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	(=)
Operated	Мо	230	400	400	650	1050	1050	-	120	_	2	72	=		2	_	2	2	2	-	-	200	2
螺轮螺杆	В	-		-	-	-	-	398	495	580	625	670	698	840	1050	1100	1150	1230	1230	1480	1610	1780	186
传动 Worm gear	Во	=0	-	2	-	-	-	600	600	800	800	800	800	800	800	800	800	800	800	800	800	800	800
and Screw operated	型号 Type	-	-	-	-	-	-	В	В	С	С	D	D	DA	DB	DC	DC	DD	DD	DD	DH	DH	DH
	p	269	379	452	579	595	595	736	942	994	1188	1280	1480	1554	1380	1430	1749	1540	1630	-	-		;-
气动液动 Air-	P ₁	209	248	295	322	386	386	527	698	750	883	975	1080	1154	930	980	1149	1180	1280	_	-	-	-
operating and	P ₂	148	148	287	287	378	378	378	530	530	680	680	680	1455	1455	1665	1665	1960	1960	-	-	-	-
fluid driving	Pa	181	257	287	287	378	378	378	530	530	680	680	680	1455	1455	1665	1665	1960	1960	-	-	-	-
unving	型号 Type	AG 13	AG 13	AW 13	AW 13	AW 17	AW 17	AW 17	AW 20	AW 20	AW 28	AW 28	C1- 355	C1- 355	C2- 490	C2- 490	C2- 490	C3- 600	C3- 600	9	100	-	-
	н	-	-		-	-	554	600	652	761	771	831	921	943	1123	1218	1328	1696	1925	2105	2245	2395	247
A. Tak	Hı	-	-	2	-	-	337	382	435	480	520	580	670	770	850	945	1055	1130	1240	1420	1560	1710	178
电动 Electric Driving	Но	-	•	-		-	200	200	200	280	280	280	305	305	305	400	400	460	460	600	600	600	600
Driving	型号 Type	-		4	-	4			SMC-04				SMC-00	SMG-0				Constitution of the	SMC=3			SMC-4	5MC-



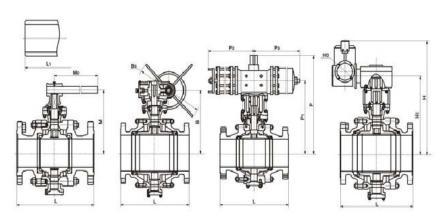
(K)Q(3, 6, 7, 8, 9)4(6)7F(Y, N, P)



主要外形	尺寸	Mai	n siz	e of c	outsi	de													PN	16.4MF	a Cla	ss40(
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	150
NPS	in	2	21/2	3	4	6	8	10	12	14	16	18	20	24	28	32	36	40	42	48	56	60
法 兰 Flange	L	292	330	356	406	495	597	673	762	826	902	978	1054	1232	1397	1651	1880	2300	2057	2400	2400	270
对爆 Butt Welding	Lt	292	330	356	406	495	597	673	762	826	902	978	1054	1232	1397	1651	1880	2300	2050	2180	2300	240
手动 Hand-	М	108	155	197	-	-	-	-	-	10.40	-	-	-	-	-	-	-	-	-	-	-	-
Operated	Мо	230	400	400	-	-	-	-	-	-	-	-	-	-	•	-	-	÷	-		-	-
蜗 轮 蜗 杆	В	-	-	+	235	300	374	445	512	550	615	750	810	1050	1100	1180	1274	1366	1540	1680	1840	191
传动 Worm gear	Во	-	-	-	600	600	800	800	800	800	800	800	800	800	800	800	800	800	1000	1000	1000	100
and Screw operated	型号 Type	-	-	-	В	С	С	С	D	D	DA	DA	DB	DC	DD	DD	DH	DH	DJ	DJ	DK	DK
	p	269		519	636	728	839	1014	1120	1225	1480	-	1480	1365	1430	-	-	-	×			
气动液动 Air-	Pt	209	-	295	322	386	527	698	750	883	1080	-	1080	915	980	-	9	-	9	-	2	~
operating and	P2	148	-	287	287	378	378	530	530	680	680		680	1665	1665	-	-	-	-			100
fluid driving	Pa	257	-	287	287	378	378	530	530	680	680	-	680	1665	1665	-	20	-	-	-	-	-
	型号 Type	AG 13	170	AW 13	AW 13	AW 17	AW 20	AW 20	AW 28	AW 28	C1- 355		C1- 355	C2- 490	C2- 490	17	7.	-	-	-	÷	-
	н	-	-	-	-	554	600	652	761	771	831	921	943	1123	1218	1328	1815	1925	2164	2324	2474	254
Table 1	Н	12	20	2	523	337	382	480	520	594	632	670	770	850	945	1055	1130	1240	1440	1660	1750	182
电动 Electric	Но	(-	:=:	-		200	200	200	280	280	280	305	305	305	460	460	600	600	600	600	600	600
Driving	型号 Type		-	-	-	8MC-04 +H1BC		5MC-03 +H29C	5MC-00 +H38C	5MC-00 4H3BC	SMC=0 +H4BC	SMC=0 +H4BC	SMC=1 +H58C	SMC-3 +H69C	SMC-3 +H6BC	5MC-3 +H78C	SMC-4 +H78C	5MC-4 +H7BC	SMC=5 +H6BC	SMC-5 +H78C	5MC-6 4H7BC	5MC- 4H7B



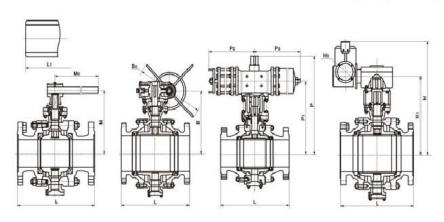
(K)Q(3, 6, 7, 8, 9)4(6)7F(Y, N, P)



DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	1500
NPS	In	2	21/2	3	4	6	8	10	12	14	16	18	20	24	28	32	36	40	42	48	56	60
法 兰 Flange	L	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	1549	1778	2083	2337	2100	2400	2400	2700
对焊 Butt Welding	Li	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	1549	1778	2083	2337	2050	2180	2300	2400
手劝 Hand-	М	108	155	197	-	-	-	40	~	-	-	((4)	(4)	=	-	-	(4)	-	-	=	=	-
Operated	Mo	650	650	650		-	-	Ŧ	-		=	-	-	-		-	-	-			-	-
蜗 N 蜗 杆	В	æ	-	-	235	300	374	445	512	550	615	750	810	1050	1180	1250	1315	1420	1540	1680	1840	1915
传动 Worm gear	Во	- 4	_	2	600	600	800	800	800	800	800	800	800	800	800	800	800	800	1000	1000	1000	1000
and Screw operated	型号 Type	-	-	-	В	С	С	D	D	DA	DA	DB	DC	DD	DH	DH	DH	DH	DJ	DJ	DK	DK
	p	269	-	519	636	728	839	1014	1120	1224	1374		1490	1615	1760	-		-	-	-	-	-
气动液动 Air-	P1	209	-	295	479	519	595	770	810	1004	1154	-	1210	1335	1410	-	-	-	=	-	-	7
operating and	P2	148	-	287	287	378	530	530	680	1445	1445	-	1665	1665	1960	-	-	-	-	-	-	-
fluid	P ₃	257	-	287	287	378	530	530	680	1445	1445	-	1665	1665	1960	-	-	37	2	-	=	-
univing	型号 Type	AG 13	-	AW 13	AW 13	AW 17	AW 20	AW 20	AW 28	C1- 355	C1- 355		C2- 490	C2- 490	C3- 600	-	-	:::	-	-	-	: -:
	н	-	40	-	-	600	652	761	771	831	921	943	1123	1218	1328	1458	1855	1960	2164	2324	2474	2544
12002	Hı		-	-		382	480	520	594	632	670	770	850	945	1055	1135	1170	1285	1440	1660	1750	1820
电动 Electric	Ho	g=:		-	-	200	200	280	280	280	305	305	305	400	400	600	600	600	600	600	600	600
Driving	型号 Type	-2	-	363	9	2000	SMC-03	SMC-00 +H3BC	1,592,53	SMC-0 +HABC		SMC-1 +H5BC	SMC-3 +H6BC	SMC-3 +H6BC	SMC-4 +H78G	SMC-4 4H7BC	SMC-4 4H75C	SMC-4 +H78C	SMC-5 +H78G	8MC-6 +H7BG	SMC-5 +H7BC	8MC-8 +H7BC



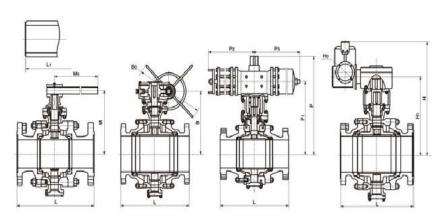
(K)Q(3, 6, 7, 8, 9)4(6)7F(Y, N, P)



DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	750	800	900	1000	1200
DN		50	03	00	100	100	200	200	300	330	400	400	500	800	750	800	900	1000	IEU
NPS	In	2	21/2	3	4	6	8	10	12	14	16	18	20	24	30	32	36	40	48
法兰 Flange	L	368	419	381	457	610	737	838	965	1029	1130	1219	1321	1549	1780	2050	2050	2180	260
对焊 Butt Welding	Lı	368	419	381	457	610	737	838	965	1029	1130	1219	1321	1549	1700	1780	1980	2100	237
手动 Hand-	М	217	241	259	-1	-	-	-	-	-	-		-	-	-	-	-	-	-
Operated	Mo	650	650	650	-	-	-			-	-	-	-	-	-	-	-	-	-
蜗 轮 蜗 杆	В	-	-	+	297	364	394	502	572	675	762	866	894	956	1210	1290	1360	1480	163
传动 Worm gear	Во	-	12	2)	600	800	800	800	800	800	800	800	800	800	800	1000	1000	1000	1000
and Screw operated	型号 Type	-	-	-	В	-	С	D	D	DA	DB	DC	DD	DH	DH	DJ	DJ	DK	DK
	р	519		728	842	1014	1120	1124	1374	1490	1615	1760	1760	1760	-	-	-	-	-
气动液动 Air-	Pı	295	-	519	595	770	815	1004	1154	1210	1335	1410	1410	1410	=	-	-	7	-
operating and	Pa	287		378	530	530	680	1445	1455	1665	1665	1960	1960	1960	-	-	(=)	-	-
fluid driving	P ₃	287	-	378	530	530	680	1455	1455	1665	1665	1960	1960	1960	2	91	2	¥	-
	型号 Type	AW 17		AW 17	AW 20	AW 20	AW 28	AW 28	C1- 355	C1- 355	C2- 490	C2- 490	C2- 490	C3- 600	-	-	-	-	:=:
	н	-	-	-	600	761	771	831	921	943	1123	1218	1328	1458	1904	1984	2054	2174	227
电动	Hı				382	520	594	632	670	770	850	945	1055	1135	1180	1260	1330	1450	156
Electric	Ho	(±)	-	-	200	280	280	280	305	305	305	400	400	600	600	600	600	600	600
Driving	型号 Type	-	-	4	SMC-04 +H1BC	SMC-00 +H3BC	SMC-00 +H38C	SMC-0 +HABC	SMC-0 +H48C	SMC-1 +H58C	SMC-3 +H6BC	SMC-3 +H68G	SMC-4	SMC-4 +H7BC	SMC-4 +H7BG	SMC-6 4H7BG	SMC-5 +H78C	ISMC-8	8MG-



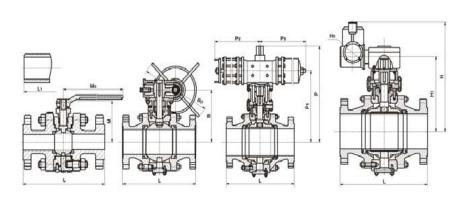
(K)Q(3, 6, 7, 8, 9)4(6)7F(Y, N, P)



要外形尺寸	Mains	ize of o	outside	•								PN2	5.0MPa C	ass15
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600
NPS	In	2	21/2	3	4	6	8	10	12	14	16	18	20	24
法兰 Flange	L	368	419	470	546	705	832	991	1130	1257	1384	1537	1664	204
对焊 Butt Welding	Lt	368	419	470	546	705	832	991	1130	1257	1384	1537	1664	204
手动 Hand-	М	217	241	259	-	-	-	1 - 1	11-1	-	11-11	-	-	1+
Operated	Мо	650	650	650	-	-	+	2	-	Ħ		-	-	-
蜗 轮 蜗 杆	В	217	241	259	297	364	475	578	696	761	831	900	950	108
传动 Worm gear	Bo	600	600	600	600	800	800	800	800	800	800	800	800	80
and Screw operated	型号 Type	А	А	В	В	С	D	D	DA	DB	DC	DD	DH	DH
	р	519	728	842	1014	1120	1124	1374	1490	1615	1760	1760	1760	-
气物液动 Air-operating	Pı	295	519	595	770	815	1004	1154	1210	1335	1410	1410	1410	-
and	Pz	257	378	530	530	680	1455	1455	1665	1665	1960	1960	1960	-
fluid driving	Ps	287	378	530	530	680	1455	1455	1665	1665	1960	1960	1960	-
	型号 Type	AW 17	AW 17	AW 17	AW 20	AW 28	AW 28	C1- 355	C1- 355	C2- 490	C2- 490	C2- 429	C3- 600	1.5
	н	-		652	761	771	831	921	943	1123	1218	1328	1458	1 -
	Hı	2	21	480	520	594	632	670	770	850	945	1055	1135	- 2
电动 Electric Driving	Ho	-	1 +1	200	280	280	280	305	305	305	400	400	600	-
Driving	型号 Type	-	-	SMC-04 +H1BC	SMC-04 +H1BC	SMC-00 +H3BC	SMC-00 +H3BC	SMC-0 +H4BC	SMC-0 +H4BC	SMC-1 +H5BC	SMC-3 +H6BC	SMC-3 +H6BC	SMC-4 +H7BC	



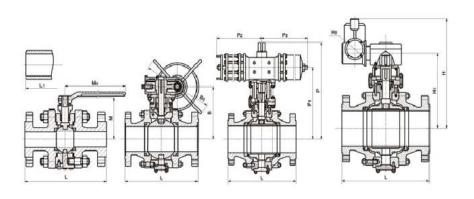
(K)Q(3, 6, 7, 8, 9)4(6)7F(Y, N, P)



DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	1500
NPS	in	2	21/2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	42	48	56	600
法 兰 Flange	L	178	191	203	229	356	394	457	533	610	686	762	864	914	1067	1245	1372	1524	1721	1829	2180	2300	2400
对焊 Butt Welding	Li	216	241	283	305	381	457	521	559	635	762	838	914	991	1143	1346	1524	1727	1930	1689	2100	2250	2400
手动 Hand-	М	130	142	191	200	226	242	-		-	-	-	-	-	-	-		-	-	-	-	-	-
Operated	Мо	230	400	400	460	750	750	-	-	308	-	-	-	1	4	-	300	-	-	-	190	-	-
朝轮朝杆	В	-	-	-	-	-	-	337	385	414	447	545	545	585	663	723	923	986	1061	1420	1530	1640	1710
传动 Worm gear	Во	(40)	(E	2	-	2	-	600	600	800	800	800	800	800	800	800	800	800	800	800	800	800	800
and Screw operated	型号 Type	-	-		10.70	-	373	В	В	С	С	D	D	D	DA	DA	DB	DB	DC	DC	DD	DH	DH
	p	269	379	389	479	552	666	769	824	897	935	1121	1161	1203	1145	1160	1460	1510	1610	iei	-	.+:	-
气动液动 Air-	р,	174	248	258	322	395	457	560	615	653	691	816	856	898	915	930	1100	1150	1250	-	2	_	_
operating and	P ₂	89	148	148	287	287	378	378	378	530	530	680	680	680	1455	1455	1665	1665	1960	neto	•		-
fluid	Pa	181	257	257	287	287	378	378	378	530	530	680	680	680	1455	1455	1665	1665	1960	-	-	-	-
	型号 Type	AG 09	AG 13	AG 13	AW 13	AW 13	AW 17	AW 17	AW 17	AW 20	AW 20	AW 28	AW 28	AW 28	C1- 355	C1- 355	C2- 490	C2- 490	C3- 600	9	0.8	2	100
	н	*	SÆ	=	oæ.	-	559	710	744	851	859	959	999	965	1141	1233	1341	1666	1895	2114	2194	2374	2404
SECRE	Н	28	24	2	<u></u>	-	342	492	527	570	608	708	748	790	866	960	1068	1100	1210	1390	1470	1650	1880
电动 Electric	Но	-	-	-	-	-	200	200	200	280	280	280	305	305	305	400	400	460	460	600	600	600	600
Driving	型号 Type	-	-	4	-	-	0000000			1000000					SMC-0				STEELING!		250000		SMC=4



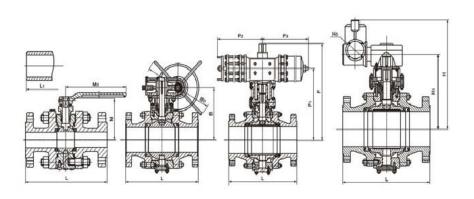
(K)Q(3, 6, 7, 8, 9)4(6)7F(Y, N, P)



DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	1500
NPS	in	2	21/2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	42	48	56	600
法 兰 Flange	L	216	241	283	305	381	403	502	568	648	762	838	914	991	1143	1346	1524	1727	2083	2050	2180	2300	2400
对焊 Butt Welding	Lı	216	241	283	305	381	403	521	5.59	635	762	838	914	991	1143	1346	1524	1727	2083	1960	2020	2250	2400
手助 Hand-	М	136	164	191	223	240	2530	-	=	-	=	-	-	-	-	(<u>-</u>	2	-	-	-	-		-
Operated	Mo	240	400	400	750	750	900	+	+	-	-	12	-	-	8	-	30	-	B	+	1	*	7.
蜗 轮 蜗 杆	В	=	-	-		-		337	385	414	447	515	545	585	663	723	923	968	1061	1420	1530	1640	1700
传动 Worm gear	Bo	-	-	14	-	-	_	600	600	800	800	800	800	800	800	800	800	800	800	800	800	800	800
and Screw operated	型号 Type	-		-	-	-	-	В	В	С	С	D	D	DA	DB	DC	DC	DD	DD	DC	DD	DH	DH
	р	360	388	476	418	621	634	701	771	814	913	1013	1148	1190	1316	1410	1518	1740	1850	-	-		-
气动液动 Air-	Pı	229	257	319	361	412	425	492	527	570	608	708	748	790	866	960	1068	1140	1250	•	3	-	-
operating and	Pa	148	148	287	287	378	378	378	530	530	680	680	680	1455	1455	1665	1665	1960	1960	*	-	-	-
fluid driving	Ps	181	257	287	287	378	378	378	530	530	680	680	680	1455	1455	1665	1665	1960	1960	:23	2	-	-
unving	型号 Type	AG 13	AG 13	AW 13	AW 13	AW 17	AW 17	AW 17	AW 20	AW 20	AW 28	AW 28	C1- 355	C1- 355	C2- 490	C2- 490	C2- 490	Ç3- 600	C3- 600				
	н	-	-	-	-	-	559	710	744	851	859	959	999	963	1141	1233	1341	1696	1925	2114	2194	2374	2404
10000000	Н1	4.	-	-		-	342	492	527	570	608	708	748	790	866	960	1068	1130	1240	1390	1470	1650	1680
电动 Electric Driving	Но	*	-	-	-	-	200	200	200	280	280	280	305	305	305	400	460	460	460	600	600	600	600
Duving	型号 Type	0		-		-						HALASSES.	SMC-00						SMG-3 +H68C		SMG-4 +H7BC		5MG-4 +H7BC



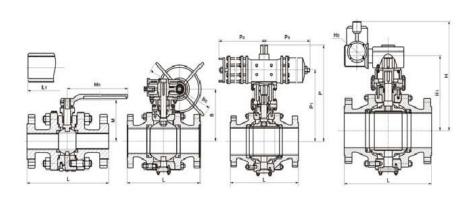
(K)Q(3, 6, 7, 8, 9)4(6)7F(Y, N, P)



DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	1500
NPS	in	2	21/2	3	4	6	8	10	12	14	16	18	20	24	28	32	36	40	42	48	56	60
法 兰 Flange	L	292	330	356	406	495	597	673	762	826	902	978	1054	1232	1397	1651	1880	2300	2057	2400	2400	2700
对焊 Butt Welding	Lt	292	330	356	406	495	597	673	762	826	902	978	1054	1232	1397	1651	1880	2300	2050	2180	2300	2400
手动 Hand-	М	136	164	191	-	-	-	-	-	-	-	-	-	-	-	1-	-	-	-	-	-	-
Operated	MO	230	400	400	-	2	-	3	-	•	100	į.	-	-	-	7	-	-	1		-	-
躺 轮 躺 杆	В		- 1	-	244	303	342	382	420	458	558	598	630	759	836	915	987	1212	1460	1600	1760	1845
传动 Worm gear	Во	-	2	-	600	600	800	800	800	800	800	800	800	800	800	800	800	800	1000	1000	1000	1000
and Screw operated	型号 Type	-	- 1	-	В	¢	С	¢	D	D	DA	DA	DB	DC	DD	DD	DH	DН	DJ	DJ	DK	DK
	р	269	-	519	636	728	839	1014	1120	1225	1480		1480	1365	1430	<u>u</u>	2	-	_		40	2
气动液动 Air-	Pı	209		295	322	386	527	698	750	883	1080	-	1080	915	980		-	-	-	-	-	-
operating and	P ₂	148	Э.	287	287	378	378	530	530	680	680	in.	680	1665	1665	+	+	-	-	-	-	*
fluid	Pa	257	-	287	287	378	378	530	530	680	680	-	680	1665	1665	-	ü	-	-	-	_	-
	型号 Type	AG 13	•	AW 13	AW 13	AW 17	AW 20	AW 20	AW 28	AW 28	C1- 355		C1- 355	C2- 490	C2- 490	-	=	-	-	-	-	
	Н	-	-	-	-	520	580	554	661	635	757	879	803	981	1073	1133	1287	1512	2114	2254	2424	2524
1000000	Н	-	•	-	-	303	342	382	420	458	558	598	630	759	836	915	987	1212	1390	1530	1700	1800
电动 Electric	Но	-		-	i - i	200	200	200	280	280	280	305	305	305	400	400	600	600	600	600	600	600
Driving	型号 Type	-	-	_	-	100000	SMC-04	SMC-03 +H2BC	SMC-00	SMC-00 +H3BC	SMC-0 +H4BC	SMC-0 +H4BC	SMC-1 +HSBC	SMC-3 +H6BC	SMC-3 +H68C	SMC-3 +H78C	SMC-4 +H78C	SMC-4 +H7BC	SMC-5 +H6BC	SMC-5 +H7BC	SMC-5 +H78C	100000



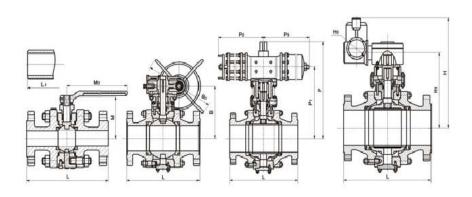
(K)Q(3, 6, 7, 8, 9)4(6)7F(Y, N, P)



主要外形	尺寸	Mai	n siz	e of c	utsi	de													PN	0.0MI	Pa Cla	ss600
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	150
NPS	in	2	21/2	3	4	6	8	10	12	14	16	18	20	24	28	32	36	40	42	48	56	60
法 兰 Flange	L	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	1549	1778	2083	2337	2100	2400	2400	270
对焊 Butt Welding	Li	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	1549	1778	2083	2337	2050	2180	2300	2400
手动 Hand-	М	136	164	191	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-
Operated	Мо	650	650	950		7	-	-	-	300	77		*		-	-	3		-		-	-
蜗 轮 蜗 杆	В	-		-	244	309	361	412	475	502	533	636	675	759	836	915	987	1212	1460	1600	1760	1845
传动 Worm gear	Во	12	-	ä	600	600	800	800	800	800	800	800	800	800	800	800	800	800	1000	1000	1000	1000
and Screw operated	型号 Type	-	1-1	-	В	С	С	D	D	DA	DA	DB	DC	DD	DH	DH	DH	DH	DJ	DJ	DK	DK
	p	269	+	519	636	728	839	1014	1120	1224	1374		1490	1615	1760	-	÷	*	÷			1 +
气动液动 Air-	P1	209	-	295	479	519	595	770	810	1004	1154		1210	1335	1410	-	-	•	2	-	9	-
operating and	P2	148	-	287	287	378	530	530	680	1445	1445		1665	1665	1960	-	-	-	-	*	-	-
fluid	Pa	257	-	287	287	378	530	530	680	1445	1445	- 4	1665	1665	1960	_	-2	2:	_	-	-	-
	型号 Type	AG 13	-	AW 13	AW 13	AW 17	AW 20	AW 20	AW 28	C1- 355	C1- 355	्च	C2- 490	C2- 490	C3- 600	-	-	-	-	-	-	-
	Н	-	-	-	(- (527	533	653	652	801	784	809	948	10381	1253	1473	1287	1512	2114	2254	2424	2524
-	Hı	+	-	-	-	309	361	412	475	502	533	636	675	765	980	1150	987	1212	1390	1530	1700	1800
电 助 Electric	Но	-	-	-	: + 2	200	200	280	280	280	305	305	305	400	400	600	600	600	600	600	600	600
Driving	型号 Type	-	-	_	-			SMC-00 +H38C	SMC-00	SMC-0 +H48C	8MC-0 +H4BC	SMC-1 +H5BC		SMC-3 +H6BC	SMC-4 +H7BC	SMC-4 +H7BC	SMC-4 +H79C	SMC-4 +H7BC	SMC-5 +H6BC	SMC-6 +H7BC	130000	SMC



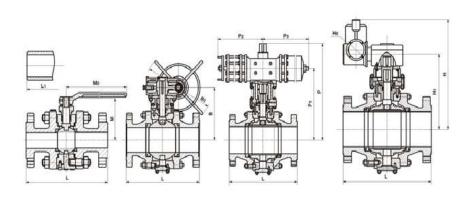
(K)Q(3, 6, 7, 8, 9)4(6)7F(Y, N, P)



DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	750	800	900	1000	1200
NPS	in	2	21/2	3	4	6	8	10	12	14	16	18	20	24	30	32	36	40	48
法兰 Flange	L	368	419	381	457	610	737	838	965	1029	1130	1219	1321	1549	1780	2050	2050	2180	2600
对焊 Butt Welding	Lı	368	419	381	457	610	737	838	965	1029	1130	1219	1321	1549	1700	1780	1960	2100	2376
手助 Hand-	М	148	191	216	-	4	-	-		(#)	-	9#8	43	-	2	-	40	-	4
Operated	Мо	650	650	750	-	-	-				-		-	-	-				٠
蜗 轮 蜗 杆	В		-	-	270	384	435	518	657	693	762	866	894	956	1160	1240	1310	1420	1530
传动 Worm gear	Bo	120	02	2	600	800	800	800	800	800	800	800	800	800	800	1000	1000	1000	1000
and Screw operated	型号 Type	-	-	-	В	-	С	D	D	DA	DB	DC	DD	DH	DH	DJ	DJ	DK	DK
	р	519	-	728	842	1014	1120	1124	1374	1490	1615	1760	1760	1760	2	12	1411	-	141
气动液动 Air-	Pı	295	-	519	595	770	815	1004	1154	1210	1335	1410	1410	1410	7.5	-	7	(=2.6	-
operating and	Pa	287	-	378	530	530	680	1445	1455	1665	1665	1960	1960	1960	-			1 + 1	
fluid driving	Pa	287	-	378	530	530	680	1455	1455	1665	1665	1960	1960	1960	-	-	9)	-	-
uning	型号 Type	AW 17	(#)	AW 17	AW 20	AW 20	AW 28	AW 28	C1- 355	C1- 355	Ç2- 490	C2- 490	C2- 490	C3- 600	-	+	+	-	·*:
	н	-	-	-	418	625	612	817	9081	866	1035	1139	1167	1279	1854	1934	2004	2114	2224
12.122	Hı	-	-	-	270	384	435	518	657	693	762	866	894	956	1130	1210	1280	1390	1500
电 劝 Electric	Но	-	-	-	200	280	280	280	305	305	305	400	400	600	600	600	600	600	600
Driving	型号 Type	*	1	200	SMC-04 +H1BC	SMG-00 +H38C	8MG-00 +108C	SMG-0	5MG-0 +H48C	SMC-1	SMC-3	SMG-3 +H66C	5MG-4 +H7BC	5MC=4 +N7BC	8MC-6 +H78C	SMC-6 +H78C	5MC-5 +H78C	-SMC-6 +H78C	SMC-6



(K)Q(3, 6, 7, 8, 9)4(6)7F(Y, N, P)



主要外形尺寸	Main	ize of o	outsid	0								PN2	5.0MPa CI	ass15
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600
NPS	in	2	21/2	3	4	6	8	10	12	14	16	18	20	24
法 兰 Flange	L	368	419	470	546	705	832	991	1130	1257	1384	1537	1664	204
对焊 Butt Welding	Li	368	419	470	546	705	832	991	1130	1257	1384	1537	1664	204
手助 Hand-	М	175	191	216	-	1 (44)	-	-	=;	94.0	-	-		-
Operated	Mo	650	650	750	ā.	-	7	-	-	-	-	3	-	-
與 與 軒	В	175	91	216	247	329	392	428	640	670	700	775	830	95
传动 Worm gear	Во	400	400	600	600	800	800	800	800	800	800	800	800	80
and Screw operated	型号 Type	A	А	В	В	С	D	D	DA	DB	DC	DD	DH	DH
	р	519	728	842	1014	1120	1124	1374	1490	1615	1760	1760	1760	-
气动液动 Air-	P1	295	519	595	770	815	1004	1154	1210	1335	1410	1410	1410	-
operating	Pa	257	378	530	530	680	1455	1455	1665	1665	1960	1960	1960	-
and fluid driving	P ₃	287	378	530	530	680	1455	1455	1665	1665	1960	1960	1960	- 2
	型号 Type	AW 17	AW 17	AW 17	AW 20	AW 28	AW 28	C1- 355	C1- 355	C2- 490	C2- 490	C2- 429	C3- 600	-
	н	-	(34 0)	388	488	506	591	679	813	943	973	1048	1153	-
	Hı	-	-	216	247	329	392	428	640	670	700	775	830	1
电动 Electric	Ho	-	7-3	200	280	280	280	305	305	305	400	400	600	-
Driving	型号 Type	-	-	SMC-04 +H1BC	SMC-04 +H1BC	SMC-00 +H3BC	SMC-00 +H3BC	SMC-0 +H4BC	SMC-0 +H4BC	SMC-1 +H5BC	SMC-3 +H6BC	SMC-3 +H6BC	SMC-4 +H7BC	1



产品结构特点 Product design features

系列轨道球阀系本公司引进国外先进技术开发设计的一种新型管线阀门,适用于天然气、抽品、化工、冶金、等行业中作调节、启闭管线液体之用,其中抗破系列产品适用于含硫化氯介质、杂质多、腐蚀严重的天然气长输管线。 其主要结构物点为:

- 1、静态单简座结构,能保证双向密封严密、可靠、达到零澄漏。
- 2、顶装式设计,使得系统可进行在线维修。
- 3、阀杆下端的凸轮机构可提供一个机械模聚力以保证持续的紧密封。
- 4、启闭过程均分两股完成, 升降行程短, 便于操作。
- 5、启闭操作过程中,密封面之间完全脱离接触,无磨损、操作扭矩低,使用寿命长。
- 6、球体旋转过程中与偶座形成的空间,使得通道中介质流速增大,从而达到清洗密封的作用。
- 7、球阀的耐火设计执行 API 807及JB/T6899 等标准的规定,一旦发生火灾而使软密封围烧损时,球阀的防火结构可阻止介质的大量难漏,防止火灾的进一步扩大。
 - 8、阀门驱动装置有手动、蜗轮蜗杆传动、电动、电动阀门器实现自动控制、易操作,安全可靠。

The series of the track ball valve is a new type of line pipe valve which is developed and designed by foreign advanced technology. It can be applied to natural gas, petroleum product, chemical industry, metallurgy set for adjusting, opening and closing the line pipe fluid. The series of the anti-sulfur products can be applied to the medium which has much impurity and to the long distance pipeline of the natural gas which is seriously corroded.

- 1. The construction of the single valve seat under the static state can ensure the tightness, credibility and zero leak of the two surface seal.
- 2. The top equipment type can make the system service in line.
- 3.The cam framework under the valve stem can supply a tight power of the mechanical wedge to ensure the continuous tight seal.
- 4. The opening and the closing course are completed in two segments, the rising and falling distance is short which is easy to operate.
- 5.In the course of the opening and closing operation, the sealed surface separates from touching completely without abrasion. The operating torque is short and the life-span is long.
- 6. The vacuum which is formed by the course of sphere spinning accelerates the velocity of flow of the medium in the channel and this course can achieve to clean the sealed surface.
- 7.The fire-resistant design of the ball valve enforces the standard of API 607 and JB/6899. When the soft seal burns, the fireproofing construction of the ball valve can prevent the medium from much leaking and the extension of the fire in case of fire.
- 8.The driving equipment of the valve can be divided into wrench operation, worm gear and worm drive, electric operation. The electric valve is easy to be auto-controlled and to be operated, with its safety and credibility.

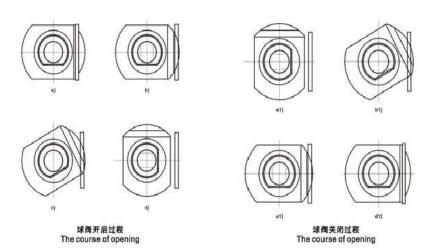
产品性能規范 Products performance specification

压力	等级		公線」	玉力(PN) N	ominal pre	ssure			研覧	ž(Class) po	ound	
Pressur	re grade	1.6	2.5	4.0	6.4	10.0	15.0	150	300	400	600	900
试验压力 (MPa)	売体试验 Shell test	2,4	3.75	6.0	9.6	15.0	22.5	2.93	7.58	10.0	15.0	22.4
Test pressure	密封试验 Sealing test	1.76	2.75	4.4	7.04	11.0	16.5	2.07	5.52	7.31	11.03	16.5
适用 Applicable						- 4	196℃-550	°C				
适用介质	普通型 Ordinary type				水、油	、天然气等	Water, o	oil and natu	ral gas			
Applicable medium	抗硫型 Antisulphur type				含H2S、C	20的天气、	石油等 Na	tural gas,	pe troleum			

Deseen International

Cast steel valve and Stainless valve





启闭原理分析 The analysis of the opening and closing theory

(1)开启过程

- 1)在关闭位置,或体受阀杆的机械施压作用,紧压在阀座上,如图a)所示。
- II)当进时针转动手轮时,阀杆则反向运动,其底部角形平面使球体脱开阀座,如图b)所示。
- III) 闽杆继续提升,并与闽杆螺旋槽内的导销相互作用,使球全开始无脑擦地旋转,如图c) 所示。
- N)直至到全开位置,資料提升到极限位置,球体旋转到全开位置,如图d)所示。

(1)The course of opening

- 1) In the location of the closing, the sphere closely presses on the valve seat by the mechanical pressure of the valve stem, See picture a).
- ||)When the hand wheel is anti-clockwised, the valve stem will counter move, then the surface of the angle at the bottom will make the sphere disconnect the valve seat, See picture b).
- III)The valve stem continues rising and interacts with the guide pin in the spin slot of the valve stem. The course makes the sphere begin to rotate without rub, See picture c).
- N)To the full opening, the valve stem will ascend to the limited location and the sphere will switch to the full opening. See picture d).

(2)美爾过程

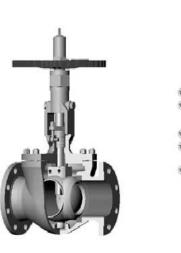
- 1)关闭时,顺时针旋转手轮,阀杆开始下降并使球体离开阀座开始旋转,如图a1)所示。
- II)继续转动手轮,倒杆受到嵌于其上螺旋槽内的导向销的作用,使阀杆和球体同时旋转90°,如图b1)所示。
- III)快要关闭时,球体已在与阀座无接触的情况下旋转90°,如图c1)所示。
- Ⅳ)手轮转动的最后几層,個杆底部的角形平面机械地模向压迫球体、使其紧密地压在阀座上,达到完全密封,如图d1)所示。

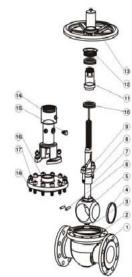
(2) The course of closing

- 1) The hand wheel is clockwised when closing, then the valve stem will fall and it will make the sphere separate from the valve seat and begin to rotate. See picture a1).
- II)Continue to turn the hand wheel, the valve stem is affected by the guide finger in the spin slot which is embedded over it, and it can make the valve stem and the sphere tuin 90° at the same time. See picture b1).
- III) When approaching closing, the sphere has switched 90° without touching the valve seat, See picture c1).
- N)The last circles of the hand wheel, the surface of the angle at the bottom of the valve stem automatically wedges to the forced sphere and presses it closely on the full seal. See picture d1).



(K)Q+(3, 9)4(6)7F(H, Y)





技术規范 Technical specification

设计依据 Design reference	GB	ANSI
结构长度 Face to Face	JB/T 7745、GB/T12221	ANSI B16.10
连接法兰 Flange ends	GB/T9113、JB/79	ANSI B16.5 MSS SP44
对焊端 Butt-welding ends	GB/T12224	ANSI B16.25
试验和检验 Test and Inspection	JB/9092	API 598

注: 系列阀门连接法兰及对焊蝎尺寸可根据用户要求设计制造。

Notes: The sizes of serial valve connecting flange and butt-welding end can be designed according to customer's requirement.

主要零件材质表 Form of major parts materials

序号	零件名称	材质 N	faterial	序号	零件名称	材质!	Material
No.	Accessory name	GB	ASME	No.	Accessory name	GB	ASME
1	阅体 Body	WCB	A216-WCB	10	轴承 Bear		
2	垫片 Machine screw	Graphite & stainless steel	B12.10=304/F.G	11	資料螺母 Stem nut	ZA19-4	Alloy opper
3	衬套 Bushing	PTFE&stainless steel	PTFE&stainless steel	12	压盖 Cover	35	Carbon steel
4	密封爾 Sealing ring	PTFE, STEEL	PTFE, STEEL	13	手轮 Hand wheel	QT400-17	Cast tron
5	球体 Ball**	WGB+HGr/STL	WGB+HGr/STL	14	支架 Yoke	WCB	A276-WCB
6	销 Pin	1Cr13	A276-410	15	定位销 Fitting pin	1Cr13	A276-410
7	興杆 Stem*	1Cr13	A276-410	16	阀盖 Bonnet	web	A276-WCB
8	填料 Packing	柔性石墨 Graphite	柔性石墨 Graphite	17	维母 Nut	35	A194-2H
9	填料压盖 Gland	WCB	A276-WCB	18	螺柱 Stud	35CrMoA	A193-B7

注: "抗硫酸阀门该零件的材质为GB(1Cr18Ni9)、ASTM(A278-321)

**抗硫酸阀门该零件的材质为GB(1Cr18Ni9、CF8+Ni.P)ASTM(A182-304、CF8+Ni.P)

系列阀门主要零部件及密封面的材质可根据实际工况条件或用户特殊要求设计选用。

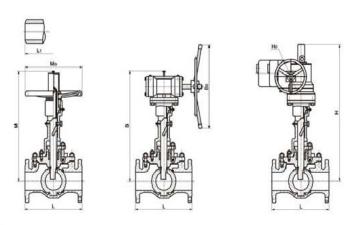
Notes: "The material of this part about the anti-sulphur type valve is GB(1Cr18Ni9)、ASTM(A276-321)

**The material of this part about the anti-sulphur type valve is GB(1Cr18Ni9)、CF8+Ni.P)ASTM(A182-304、CF8+Ni.P)

Major parts of the valve series and materials of sealing surface differ according to actual working condition and customer's special requirement.



(K)Q1(3, 9)4(6)7F(H, Y)



主要外形尺寸 Main size of outside

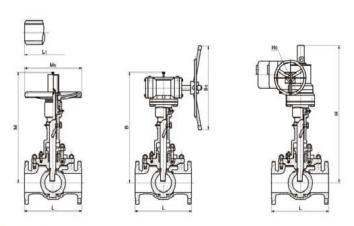
PN1.6、2.5MPa Class150

公称通径 Nominal size Class 150 PN1.8			手动 8、2.5 Hand— operated				Driving	村传动 of worm worm screw	电动 Electric driving					
DN NE	NPS	L	Lı	L	Lı	м	Mo	В	Во	蜗轮蜗杆装置 Device of worm	н	Ho	电动装置 Electric driving device	
D.14	1110			7.	350		*****		9.000	gear and worm screw	1.2.2	1.00	Class150 PN1.6	PN2.5
15	1/2	108	-	130	140	310	180	(21)	-	_	210	200	SMC-04	SMC=04
20	3/4	117	17.0	150	152	325	180	-70	-		225	200	SMC-04	SMC-04
25	1	127	-	160	165	345	200	420	200	O型	230	200	SMC-04	SMC-04
32	11/4	140	-	180	178	360	200	440	200	Off	290	500	SMC-03	SMC-03
40	11/2	165	190	200	190	380	200	455	200	O型	300	500	SMC-03	SMC-03
50	2	178	216	230	216	385	200	465	200	OM	570	460	ZA2-5	ZA2-5
65	21/2	190	241	290	241	393	300	480	200	OII	625	460	ZA2=5	ZA2-5
80	3	203	283	310	283	402	300	500	300	AW	760	460	ZA2-20	ZA2-20
100	4	229	305	350	305	510	300	510	300	A型	780	460	ZA2-20	ZA2-20
150	6	394	457	480	457	690	400	680	300	ATE	850	460	ZA2-20	ZA2-30
200	8	457	521	600	521	785	500	820	400	B型	840	460	ZA2-30	ZA25-40
250	10	533	559	730	559	995	600	910	400	BM	960	460	ZA2-30	ZA2-30
300	12	610	635	850	635	1183	600	1090	400	B型	990	460	ZA3-60	ZA3-60
350	14	686	762	980	762	1254	650	1330	600	C型	1165	460	ZA3-60	ZA3-90
400	16	762	838	1100	838	1565	650	1380	600	CW	1385	460	ZA3-90	ZA3-120
450	18	864	914	1200	914	1637	700	1450	800	D型	1415	460	ZA4-120	ZA3-160
500	20	914	991	1250	991	1705	700	1840	800	D型	1490	460	ZA4-240	ZA4-240
600	24	1067	1143	1450	1143	1883	800	1870	800	DA型	1620	458	SMC-2	SMC-2
700	28	1346	1346	1346	1346	2108	800	2130	800	DA質	1720	458	SMC-2	SMC-3
800	32	1524	1524	1524	1524	-		170	-		1825/1885*	610	SMC-3	SMC-3
900	36	1727	1727	1727	1727	-			-		2250/2300°	610	SMC-3	SMC-4

注: 分母值为PN2.5的尺寸。 Notice: the denominator is PN2.5.



(K)Q+(3, 9)4(6)7F(H, Y)



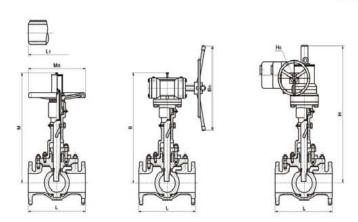
主要外形尺寸 Main size of outside

PN4.0MPa Class300

	通径 al size	Class 300	PN4.0MPa		手动 Hand- operated		蜗轮蜗杆传动 Driving of worm gear and worm screw			电动 Electric driving			
DN	NPS	L/L1	L	Lı	м	Mo	В	Во	蜗轮蜗杆装置 Device of worm gear and worm screw	н	Но	电动装置 Electric driving device	
15	1/2	140	130	140	310	180	-	-	(-)	215	200	SMC-04	
20	3/4	152	150	152	325	180	-	-		235	200	SMC-04	
25	1	165	160	165	345	200	420	200	O型	250	500	SMC-03	
32	11/4	178	180	178	360	200	440	200	O型	300	305	SMC-00	
40	11/2	190	200	190	380	200	455	200	O型	305	305	SMC-00	
50	2	216	230	216	385	200	465	200	O型	585	460	ZA2-10	
65	21/2	241	290	241	393	300	480	300	A型	650	460	ZA2-10	
80	3	283	310	283	402	300	500	300	ATE	775	460	ZA2-20	
100	4	305	350	305	510	300	510	300	AD	795	460	ZA2-20	
150	6	403/457	480	457	690	400	680	400	B型	895	460	ZA25-40	
200	8	502/521	600	521	785	500	820	400	B型	900	460	ZA3-30	
250	10	568/559	730	559	995	600	910	400	B型	973	460	ZA25-40	
300	12	648/635	850	635	1183	600	1090	600	CM	1135	460	ZA3-90	
350	14	762	980	762	1254	650	1370	600	C∰	1302	460	ZA3-120	
400	16	838	1100	838	1565	650	1430	600	C型	1514	460	ZA4-160	
450	18	914	1200	914	1637	700	1450	800	D型	1534	460	ZA4-240	
500	20	991	1250	991	1705	700	1840	800	D型	1625	458	SMC-2	
600	24	1143	1450	1143	1883	800	1870	800	DA型	1686	458	SMC-2	
700	28	1346	1346	1346	2108	800	2130	800	DA型	1780	610	SMC-3	
800	32	1524	1524	1524	-	-	-	-	150	1940	610	SMC-4	
900	36	1727	1727	1727	140	-	1-1	-	1-1	2320	610	SMC-4	



(K)Q1(3, 9)4(6)7F(H, Y)



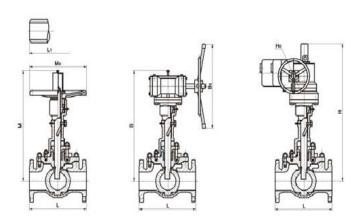
主要外形尺寸 Main size of outside

PN6.4MPa Class400

24 3200	公称通径 Nominal size			手 Hand-o	100	Driving	100 A	杆传动 ear and worm screw		电谢 Electric driving		
DN	NPS	L	Li	М	Мо	В	Во	蜗轮蜗杆装置 Device of worm gearl and worm screw	н	Но	电动装置 Electric driving device	
15	1/2	165	165	320	200	390	200	O型	215	500	SMC-03	
20	3/4	190	190	340	200	415	200	O型	240	500	SMC-03	
25	1	216	216	360	200	435	200	O型	250	500	SMC-03	
32	11/4	229	229	370	250	455	200	O型	300	305	SMC-00	
40	11/2	241	241	395	300	465	200	OW	305	305	SMC-00	
50	2	292	292	430	300	501	200	A型	585	460	ZA2-10	
65	21/2	330	330	485	400	535	300	A型	650	460	ZA2-20	
80	3	356	356	515	500	575	300	A型	775	460	ZA2-20	
100	4	406	406	572	600	625	400	B型	800	460	ZA2-30	
150	6	495	495	773	600	790	400	B型	895	460	ZA25-40	
200	â	597	597	967	650	900	400	B型	900	460	ZA25-40	
250	10	673	673	1225	650	1090	600	C型	970	460	ZAs-60	
300	12	762	762	1350	700	1350	600	CM	1135	460	ZA3-120	
350	14	826	826	1490	700	1490	600	C型	1305	460	ZA3-120	
400	16	902	902	1590	750	1640	800	D型	1515	460	ZA4-240	
450	18	978	978	1720	750	1740	800	D型	1585	460	ZA4-240	
500	20	1054	1 054	1805	800	1930	800	DA型	1625	610	SMC-3	
600	24	1232	1232	1945	800	2005	800	DAM	1710	610	SMC-3	
700	28	1397	1397	2180	800	2180	800	DB型	1815	610	SMC-3	
800	32	1651	1 651	150	-	1.7.	-	-	1975	610	SMC-4	
900	36	1880	1880	-:	-	100	-	-	2370	610	SMC-4	



(K)Qr(3, 9)4(6)7F(H, Y)



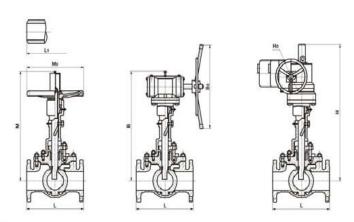
主要外形尺寸 Main size of outside

PN10.0MPa Class600

200	公称通径 Nominal size			手 Hand-o		Driving		杆传动 ar and worm screw	电动 Electric driving			
DN	NPS	L	Lt	М	Мо	В	Во	蜗轮蜗杆装置 Device of worm gear and worm screw	н	Но	电动装置 Electric driving device	
15	1/2	165	165	320	200	390	200	O型	230	500	SMC-03	
20	3/4	190	190	340	200	415	200	O型	250	500	SMC-03	
25	-1	216	216	360	200	435	200	O型	300	305	SMC-00	
32	11/4	229	229	370	250	455	200	O型	305	305	SMC-0	
40	11/2	241	241	395	300	465	200	O型	585	305	SMC-0	
50	2	292	292	430	300	501	300	AM	650	460	ZA2-20	
65	21/2	330	330	465	400	535	300	Att	7.25	460	ZA2-20	
80	3	356	356	515	500	575	300	A型	800	460	ZA2-30	
100	4	432	432	572	600	625	400	B型	835	460	ZA2-30	
150	6	559	559	773	600	790	400	B型	895	460	ZA3-60	
200	8	660	660	967	650	900	400	B型	900	460	ZA2-60	
250	10	787	787	1225	650	1090	600	C型	970	460	ZA3-90	
300	12	838	838	1350	700	1350	600	C型	1135	460	ZA4-160	
350	14	889	889	1490	700	1490	600	CE	1305	460	ZA4-160	
400	16	991	991	1590	750	1640	800	D型	1515	460	ZA4-240	
450	18	1092	1092	1720	750	1740	800	D型	1585	458	SMC-2	
500	20	1194	1194	1805	800	1930	800	DA型	1625	610	SMC-3	
600	24	1397	1397	1945	800	2005	800	DA型	1710	610	SMC=3	
700	28	1549	1549	2180	800	2180	800	DB型	1815	610	SMC-4	
800	32	1778	1778	-	-	-	-	-	1975	610	SMC-4	
900	36	2083	2083	- 2		4	-		2370	610	SMC-4	



(K)Q1(3, 9)4(6)7F(H, Y)



主要外形尺寸 Main size of outside

PN15.0MPa Class900

	通 椏 nal size	PN16.0 MPa	Class 900	手 Hand-o	CONTRACTOR -	Driving	躺轮躺 of worm ge	杆传动 ar and worm screw		电动 Elect	tric driving
DN	NPS	L/Lı	ULı	м	Ма	В	Во	頻較頻杆蒙量 Device of worm gear and worm screw	н	На	电动装置 Electric driving device
25	1	254	254	387	250	435	200	O型	300	305	SMC-00
32	11/4	279	279	400	250	490	200	O型	305	305	SMC-0
40	11/2	305	305	457	250	505	200	O型	585	305	SMC-0
50	2	368	368	480	300	560	300	AM	650	460	ZA2-20
65	21/2	419	419	500	300	590	300	A型	775	460	ZA2-20
80	3	381	381	560	360	610	300	AM	800	460	ZA2-30
100	4	457	457	575	400	690	400	B型	835	460	ZA2-30
150	6	610	610	780	450	705	400	B型	895	460	ZA3-60
200	8	737	737	980	500	930	600	C型	900	460	ZA2-60
250	10	838	838	1170	550	1130	600	C型	920	460	ZA3-90
300	12	965	965	1330	550	1330	800	D型	1135	460	ZA4-160
350	14	1029	1029	1520	600	1480	800	D型	1305	460	ZA4-160
400	16	1130	1130	1730	650	1710	800	DA型	1585	460	ZA4-240
450	18	1219	1219	1840	700	1920	800	DA型	1625	456	SMC-2
500	20	1321	1321	1920	800	2080	800	DB型	1710	610	SMC-3



产品结构特点 Product design features

系列三通球側的主要功能是分离、混合或分配在管道中流动的介质,适用于天然气、油品、化工冶金、城礁、环保、制药、食品等行业。 三通球側分为T形及L形同种,L形三通球阀适用于介质液向的切换,能使互相垂直的两个管道连通;T形三通球阀适用于介质的分液、合施及液向 切换,T形孔道可以使三个通道互相连通或使其中两个通道连通。三通球阀一般采用两座结构,昔可根据用户要求采用四阀座结构,任一通口可用作 入口而无泄漏。被封结构有软密封及全属密封两种结构,分别适用于不同的工况条件。

The three ways ball valve is divided into two types: T shape and L shape. The latter can connect the two vertical pipes; The former can be applied to the distributary, interflow and switching, the pore canal of the two valve seat and it can also use the construction of the four valve seat according to the user's demands. In this installation, any entrance can be used as in let which will not leak in any case. The seal construction has two constructions: soft seal and metal seal which can be applied to different industrial and mineral conditions accordingly.

产品規格 Products specification

系列型号	Q44、Q644、Q944							
Serial models								
压力等级 Class	PN1.6	-4.0MPa	Class150~300					
通径 Size	DN15	~300mm	1/2"~12"					
	手柄驱动	PN1.6~4.0MPa	Class150-300					
	Wrench	DN15~300mm	1/2"=12"					
驱动方式 及 透用范围	气动	PN1.6-4.0MPa	Class150-300					
Tallisa ma Driving manner and cope of application	Ari operaed	DN15-300mm	1/2"-12"					
	电动	PN1.6~4.0MPa	Class150~300					
	Electric	DN80~300mm	3"-12"					

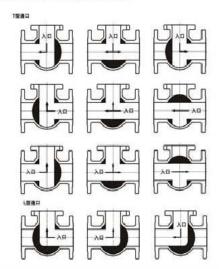
产品性能規范 Products performance specification

压力等级		公縣	压力 Nominal pressure	磅级 Pou	nd(Class)				
Pressure	e grade	1.6	2.5	4.0	150	300			
试验压力(MPa)	完体试验 Shell test	2.4	3.75	6.0	2.93	7.58			
Test pressure	密封试验 Sealing test	1.76	2.75	4.4	2.07	5.52			
适用强度 Applicable medium 适用介质 Applicable medium		-29℃-280℃ (注: 不同工光温度,选用不同的材度 Different raw material for different working temperature)							
			水、油、天約	大等 Water、oil、an	d natural gas				



三通球阀介质流通示意图 Diagram of medium circulation of the three ways ball valve





三通球個力矩表 (N.m) Three ways ball valve torque form

通经(mm) Size 压力(MPa) Pressure	15	20	25	40	50	65	60	100	125	150	200	250	300
PN1.6	5	8	15	24	35	75	100	180	350	500	730	1210	1950
PN2.5	5	8	16	27	45	90	120	210	450	600	1000	1600	2800
PN4.0	8	15	36	50	75	145	220	350	650	850	1450	2400	4200

注:袁中所列数据未经实际测定,仅供参考 Notes: The data in the form are not practically measured, and just for reference.

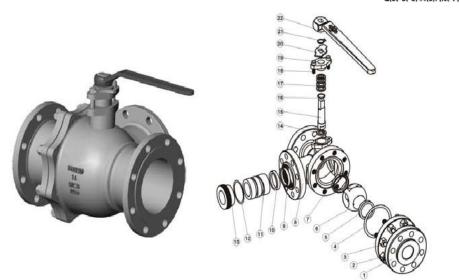
運经(mm) Size 压力(MPa) Pressure	1/2	3/4	1	11/2	2	21/2	3	4	5	6	8	10	12
Class 150	5	8	16	24	38	75	95	185	380	600	1050	1650	2625
Class 300	8	18	38	58	90	180	240	420	900	1425	2300	3000	4950

注: 表中所列数据未经实际测定、仅供参考

Notes: The data in the form are not practically measured, and just for reference.



Q(3, 6, 9)44(5)F(N, P)



技术規范 Technical specification

设计依据 Design reference	GB	ANSI				
设计标准 Design standard	GB/T12237	ANSI B16.34				
驱动方式 Driving manner	手动、电动、气动 Wrench、electric driving、Air operated					
结构长度 Face to Face	GB/T12221	ANSI B16.10				
连接法兰 Flange ends	JB/T79	ANSI 16.5				
试验和检验 Test and Inspection	JB/T9092	API 598				

注:系列阀门连接注兰尺寸可模据用户要求设计制造。 Notes: The sizes of serial valve connecting flange can be designed according to customer's requirement.

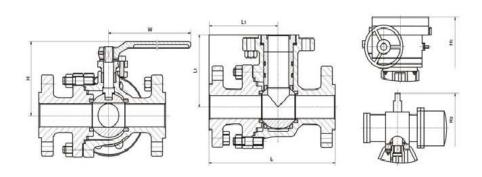
主要零件材质表 Form of major parts materials

序号	零件名称	材质 Material			零件名称	材质 N	Material	
No.	Accessory name	GB	ASME	No.	Accessory name	GB	ASME	
1	右体 Bonnet	WCB	A216-WCB	12	O形画 "O" ring	橡胶 Rubber	橡胶 Rubber	
2	螺母 Nut	35	A194-2H	13	頂葉螺母 Nut	25	A105	
3	螺柱 Bolt	35CrMoA	A193-B7	14	填料垫 Packing seat	1Cr13	A276-410	
4	整片 Gasket	柔性石墨+不锈钢 Graphite & stainless steel	B12.10-304/F.G.	15	阀杆 Stem	1Cr13	A276-410	
5	密封膜 Sealing ring	PTFE	PTFE	16	盤片 Gasket	PTFE	PTFE	
8	球体 Ball	25+HCr	A105+HCr	17	填料 Packing	柔性石墨 Graphite	柔性石墨 Graphite	
7	密封體 Sealing ring	PTFE	PTFE	18	螺钉 Screw nail	35CrMoA	A193-B7	
8	简体 Body	PTFE	A216-WCB	19	填料压盖 Gland	WCB	A216-WCB	
9	密封護 Sealing ring	25	PTFE	20	定位片 Locating piece	Q235A	Carbon steel	
10	密封限 Sealing ring	橡胶 Rubber	PTFE	21	指聞 Ring	65Mm	AISI 1566	
11	阀座 Seat	25	A105	22	手柄 Wrench	КТЗЗ	A47-667 Gr.32510	

注:系列阀门主要零部件及密封面的材质可视探实際工况条件或用户特殊要求设计选用。
Notes: Major parts of the valve series and materials of sealing surface differ according to actual working condition and customer's special requirement.



Q(3, 6, 9)44(5)F(N, P)



主要外形	尺寸 Mai	n size o	f outsi	de							PI	N1.6~4.0N	MPa Class	150~300
DN(mm)	15	20	25	40	50	65	80	100	125	150	200	250	300
NPS	S(in)	1/2	3/4	1	11/2	2	21/2	3	4	5	6	8	10	12
	•	140	165	165	250	260	320	320	370	510	510	580	670	720
ı	.1	70	83	83	125	130	160	160	185	255	255	290	335	360
手动	н	64	84	84	152	157	183	183	195	355	355	430	475	550
Hand operated	w	130	160	160	500	500	800	800	800	850	850	1500	1500	1500
电动	Н	-	1.71	-	-	-	-	546	558	718	742	817	878	946
Electric driving	电动装置 Electric driving device	-	-	-	H	-	-	Q60-1	Q60-1	Q60-1	Q120-1	Q120-1	Q120-1	Q120-
气动 Air-	Hz	215	235	260	328	400	427	488	500	660	756	831	952	1020
operating	气动装置 Air- operating device	AG09	AG09	AG13	AG13	AW13	AW13	AW13	AW17	AW17	AW20	AW20	AW28	AW28



产品结构特点 Product design features

系列夹套球阀主要用于石油、化工、冶金、制药等务类系统中,以输送常温下会凝固的高粘度介质。该系列球阀的夹套焊装于阀门的两法兰之间。 阀门的侧面、底部设置有夹套的连接口。由于增加了夹套,此种阀门的连接法兰尺寸要比同一规格普通球阀的连接法兰大一到两个规格,但结构长度与 同规格的阀门相同,端面连接方式有法兰及对失两种,夹套中可自由地流过蒸汽或其它热的保温介质,确保粘稠介质可顺畅地流过阀门。

The series of the jacketed ball valves are mainly applied to petroleum, chemical industry, metallurgy, pharmacy, etc., used to deliver the high viscous medium which will be solidified easily, under the ordinary temperature. The jacket of the jacketed ball valve is welded between two flanges of the valve, and there are jacketed connections on the side and bottom. The size of the connecting flange of the valve is two norms bigger than the normal ball valve of the same norm, because adding the jacket, but the length of the construction is same, and the surface connecting type divides into Flange and Wafer. The vapour and other keep warming mediums can be flowed freely, thus to ensure that the ropy medium flows through the valve smoothly.

产品规格 Products specification

系列型号	Q43, Q643, Q943							
Serial models	Q73, Q673, Q973							
压力等级 Class	PN1.6	Class150~300						
通径 Size	DN15	-200mm	1/2"~8"					
	手柄驱动	PN1.6-4.0MPa	Class150-300					
驱动方式	Wrench	DN15-200mm	1/2*~8*					
及 適用范围	气动	PN1.6~4.0MPa	Class150~300					
Driving manner and	Ari operaed	DN15-200mm	1/2"-8"					
scope of application	电动	PN1.6~4.0MPa	Class150~300					
	Electric	DN80-200mm	3*-8*					

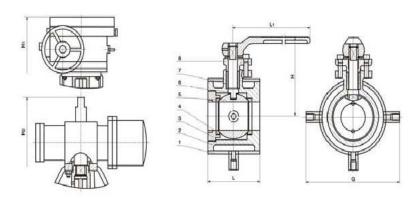
产品性能规范 Products performance specification

夹赛部介质温度 Temperature 适用介质 Medium		00℃ Water, oil and the ropy medium
夹套部壳体试验压力 Shell test pressure of jacket	15	МРа
Class 300	7.5MPa	5.5MPa
Class 150	3.03MPa	2.2MPa
4.0MPs	6.0MPa	4.4MPa
2.5MPa	3.75MPa	2.75MPa
2.0MPa	3.0MPa	2.2MPa
1.6MPa	2.4MPa	1.76MPa
1.0MPa	1.5MPa	2.0MPa
公称压力 Nominal pressure	完体强度试验压力 Shell test pressure	密封试验压力 Sealing test pressure

Deseen International

Cast steel valve and Stainless valve





技术提范 Technical specification

设计标准 Design Standard	ANSI B16.34 GB/T12224
结构形式 Structure form	对夹式 Wafer type
配管法兰 Piping flange	ANSI B16.5、JB/T79
驱动方式 Driving manner	手动、电动、气动 Wrench、Electric driving、Air operated
试验和检验 Test and Inspection	API 598

注:系列阀门连接法兰尺寸可根搁用户要求设计制造。

Notes: The sizes of serial valve connecting flange can be designed according to customer's requirement.

主要零件材质表 Form of major parts materials

序号 No.	零件名称	材质	Material	序号	零件名称	材质 Material		
No.	o. Accessory name	GB	ASTM	No.	Accessory name	GB	ASTM	
1	夹套 Jasket	25	A105	5	球体 Ball	25+HCr	A105+HCr	
2	資体 Body	WCB	A216-WCB	6	飼料 Stem	1Cr13	A247-410	
3	阈座 Seat	25 A105		7	填料 Packing	柔性石器	Graphite	
4	密封圈 Sealing ring	尼龙、对位聚苯 Nylon PTFE、RTFE		8	填料压盖 Gland	WCB	A216-WCB	

注:系列阀门主要零部件及密封面的材质可根据实际工况条件或用户特殊要求设计选用。
Notes: Major parts of the valve series and materials of sealing surface differ according to actual working condition and customer's special requirement.

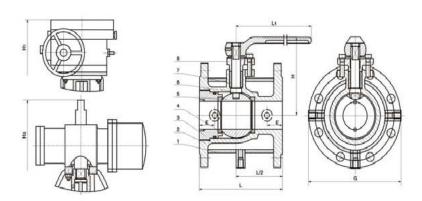
主要外形尺寸 Main size of outside

PN1.0-4.0MPa	Cleesten 200
FIVI.U-4.UMFA	C1888130-300

DN	(mm)	15	20	25	40	50	80	100	125	150
NP	S(In)	1/2	3/4	1	11/2	2	3	4	6	8
配管法兰规格 The no	rm of the piping flange	15/40	20/40	25/50	40/60	50/80	80/150	100/200	150/250	200/350
	L		55	60	80	90	120	140	160	180
	G	110	117	127	165	178	229	254	292	330
手动	Н	101	101	106	125	135	193	265	355	410
Hand operated	Li	130	160	160	230	230	400	700	1100	1500
电动	Hi	100	-	-	(+)	100	643	715	848	903
Electric driving	电动装置 Electric driving device	(=)	-	-	3-3	(=)	Q60-1	Q60-1	Q120-1	Q120-1
气动	Hz	285	295	305	330	345	440	470	710	820
Air-operating	气动类量 Air-operating device	AG06	AG06	AG09	AG09	AG13	AG13	AW13	AW17	AW17



QJ(6, 9)41F(N, P)



技术规范 Technical specification

设计标准 Design Standard	ANSI B16.34 GB/T12224				
结构长度 Face to Face	ANSI B16.10 GB/T12227				
连接法兰 Flange ends	ANSI B16.5, JB/T79				
驱动方式 Driving manner	手动、电动、气动 Wrench、Electric driving、Air operated				
试验和检验 Test and inspection	API 598				

注: 系列側门连接法兰尺寸可根据用户要求设计制造。

Notes: The sizes of serial valve connecting flange can be designed according to customer's requirement.

主要零件材质表 Form of major parts materials

序号	零件名称	材质	Material	序号	零件名称	材质 Material		
No.		GB	ASTM	No.	Accessory name	GB	ASTM	
1	夹套 Jasket	25	A105	5	球体 Ball	25+HCr	A105+HCr	
2	網体 Body	WCB	A216-WCB	6	鋼杆 Stem	1Cr13	A247-410	
3	倒座 Seat	25	A105	7	填料 Packing	柔性石具	Graphite	
4	密封區 Sealing ring	尼龙、对位鞭苯	Nylon PTFE、RTFE	8	填料压盖 Gland	WCB	A216-WCB	

注,系列阀门主要零部件及密封面的材质可模据实际工况条件或用户特殊要求设计选用。 Notes: Major parts of the valve series and materials of sealing surface differ according to actual working condition and customer's special requirement.

主要外形尺寸	Main size of outside
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PN1.6-4	OMPa	Class1	50-300

DN	(mm)	15	20	25	40	50	80	100	150	200
NP	S(in)	1/2	3/4	1	11/2	2	3	4	6	8
法兰規格 The n	orm of the flange	15/40	20/40	25/50	40/65	50/80	80/150	100/200	150/250	200/350
	L	110	117	127	165	178	229	254	292	330
	E	58.5	58.5	63.5	62.5	65	82	83	95	100
	G	147	147	156	181	218	275	300	403	492
手动	Н	101	101	106	125	135	193	265	355	410
Hand operated	Li	130	160	160	230	230	400	700	1100	1500
电动	Ht	-	-	-	-	-	643	715	848	903
Electric driving	电动装置 Electric driving device	170	177	177	-	171	Q:60-1	Q60-1	Q120-1	Q120-1
气动	Ha	285	285	305	330	345	440	470	710	820
Air-operating	气动装置 Air-operating device	AG08	AG06	AG09	AG09	AG13	AG13	AW13	AW17	AW17

Deseen International

Cast steel valve and Stainless valve



产品结构特点 Product design features

系列螺紋连接端球周主要用于以氦气为介质的海洋勒探设备中,同时也适用于水、油、酸等各类介质的系统中,以实现对气体和液体的断流及放流。 其中要结构特点有: 1、结构紧身、重量轻、流阻低。

- 2、启闭扭矩小、密封性能优异。
- 3、结构形式有整体式、两体式及三体式三种结构、维修和更换内件均十分方便。
- 4、两侧用内、外螺纹与普道连接,安装方便。
- 5、根据用户需要,可提供左右不同形式的连接端。
- 6、根据用户需要。可装上相应的电动及气动装置以实现通控或自动控制。

The series of the threaed ends bail valves are mainly used in the equipment for sea prospecting, which takes helium as medium, and also applied to the system which takes water, oil, acid etc, as medium, for cutting or releasing the gas or liquid.

- The main features of construction
- 1. Compact construction, light weight, little flow resistance.
- 2.Quick start and stop, excellent seal performance.
- 3. The type of construction divided into one-side type, two-side type, three-side type, and the parts be maintained and changed conveniently.
- 4. Two sides are connected with pipe by internal and outer threaed screw. Installed quickly.
- 5. Can provide different type of connecting ends on the right or left side, according to user's demand.
- 6.Can set up the corresponding electric or pneumatic installations for remote control or automatic control, according to user's demand.

技术規范 Technical specification

结构长度	内環紋连接端 Internal thread screw connecting	GB/T15188.3			
Acce to face 外螺紋连接線 Outer thread screw connecting		GB/T15188.4			
内螺纹	连接端 Internal thread screw connecting end	GB/T7073			
外螺纹	文连接端 Outer thread screw connecting end	JB/T1752、JB/T1754、JB/T1755			
	试验和检验 Test and Inspection	JB/T9092			

产品性能規范 Form of major parts materials

m 4)等级 Pressure	公称压力(PN) Nominal pressure						
DL)	1 + 1 ricssure	1.6	2.5	4.0				
试验压力 Test pressure	売体试验 Shell test	2.4	3.75	6.0				
(MPa)	密封试验 Sealing test	1.76	2.75	4.4				
适用温度 Applicable medium		(注:不同工况温度,选用不同	—29℃-300℃ (注:不同工况温度,选用不同的材质 Different raw material for different work temperature)					
适用介	质 Applicable medium		水、油、气各类腐蚀性介质等 oil、gas.and other corrosive me					

主要外形尺寸 Main size of outside

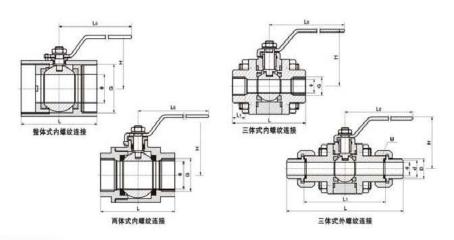
PN1.0~4.0MPa Class150~300

序号No.	零件名称	材 旗 Material							
TYNU.	Accessory name	GB	ASTM						
1	餐体 Body	CF8, CF8M, CF3, CF3M	A216-WCB, A351-CF8, CF8M, CF3, CF3M						
2	掲載 Bonnet	WCB CF8, CF8M, CF3, CF3M	A216-WCB, A351-CF8, CF8M, CF3, CF3M						
3	球体 Ball	1Cr13, 0Cr18Ni9, 1Cr18N12Mo2Ti	A276-410, 304, 316, 304L, 316L						
4	資料 Stem	1Cr13, 0Cr18Ni9, 1Cr18N12Mo2Ti	A276-410、304、316、304L、316L						
5	密封置 Sealing ring	尼龙、对位聚苯 Nylon PTFE、RTFE	PTFE、PTFE、尼龙、对位聚苯						

注: 系列阀门主要零部件及密封面的材质可根据实际工况条件或用户特殊要求设计选用。

Notes: Major parts of the valve series and materials of sealing surface differ according to actual working condition and customer's special requirement.





主要外形尺寸 Main size of out side PN1.6~4.0MPa 内缘纹连接 Internal thread screw connecting

DN		整体式	One-sid	ed type			两体式	Two-sid	ed type			三	本式 Three	-sided t	уре	
(mm)	ф	G	L	Lo	н	ф	G	L	Lo	н	b	G	L	Li	Lo	н
6	4.2	1/4	40	80	22	10	1/4	55	95	42						
10	6	3/8	45	80	26	10	3/8	55	95	42	12	3/8	65	12	95	46
15	8	1/2	57	88	31	15	1/2	64	108	51	15	1/2	75	14	110	46
20	12	3/4	60	88	34	20	3/4	75	115	58	20	3/4	85	16	110	54
24	15	1	72	105	38	25	1	85	135	77	25	1	90	18	140	65
32	19	11/4	79	105	43	32	11/4	102	150	83	32	1 1/4	112	20	140	69
40	24	11/2	85	124	50	38	11/2	108	175	97	38	1 1/2	120	22	155	76
50	32	2	101	124	57	50	2	124	190	106	50	2	145	24	180	86
65	-	-	1	-	-	65	21/2	163	220	122	65	2 1/2	170	28	220	120
80	-	*		.=:	.+1	80	3	185	250	133	80	3	200	32	260	150

主要外形尺寸 Main size of out side PN1.6~4.0MPa 外螺紋连接 Outer thread screw connecting

DN			外螺	纹连接 Outer thr	ead screw conne	ecting		
(mm)	•	d	D	L	Lt	Lo	М	н
6	в	10	14	150	85	96	20×1.5	57
10	10	12	18	150	85	96	24×1.5	57
15	15	17	22	175	108	110	30×2	68
20	20	22	28	190	120	120	36×2	70
25	25	27	33	200	132	135	42×2	80
32	32	34	40	230	158	160	52×2	84



产品结构特征 Products design features

系列对夹式球阀主要用于石油、化工、冶金、制药、食品等各类系统中,以截断或接通管路中的介质。对夹式球阀根据结构长度 的长短可分为普通型及薄型两面三刀种系列,其中薄型系列系我公司根据客户的要求,引进国外产品的技术并结合普通型对夹式球 阀的特点,自行研制开发的改进型产品。与其它类型球阀相比,系列对夹式球阀的主要结构特点有:采用一体式结构,结构紧凑,体积小、重量轻;密封可靠,介质流向不受限制;流阻小、启闭快,操作方便,根据用户需要,普通型对夹式球阀可装上相应的电动及气动装置,以实现遥控或自动控制。

The series of the wafer type ball valves can be applied to petroleum, chemical industry, metallurgy, pharmacy, etc, used to block or connect the medium in the pipe. The wafer type ball valve divided into normal type and thin type, by its length of construction. The series of the thin types are the improved products, designed and developed by ourselves, which combine the advanced technology of abroad with the feature of the normal type, according to user's demand. Compared with other ball valves, the main characters of construction of the water type ball valve are: with one-sided, and compact construction, small volume, light weight, well-sealed, non-limitation of medium direction, little flow resistance, quick start and stop, convenient operation. And it is possible for the normal type to set up the corresponding electric or pneumatic installations, for remote control or automatic control, according to user's demand.

产品规格 Products specification

系列型号 Serial models	Q71, Q671, Q971	Q7b1
压力等级 Pressure	PN1.6~MPa, Class150	PN1.6~4.0MPa
通径 Size	DN15~100mm, 1/2"-4"	DN10-200
驱动方式 及运用范围 Driving manner and scope of application	手柄驱动、气动、电动 Wrench operated、 Air operateel & Electric driving	手柄驱动 Wrench operated

注:本公司可根据用户要求提供产品

Notes: Our Company can provide products at customres' request.

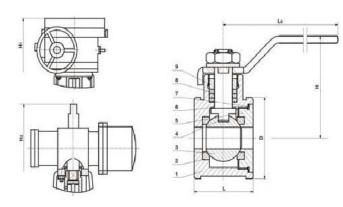
产品性能规范 Products performance specification

公称压力 Nominal Pressure	壳体强度试验压力 Shell test pressure	密封试验压力 Sealingtest pressure			
1.0MPa	1.5MPa	2.0MPa			
1.6MPa	2.4MPa	1.76MPa			
2.0MPa	3.1MPa	2.2MPa			
2.5MPa	3.75MPa	2.75MPa			
4.0MPa	6.0MPa	4.4MPa			
Class 150	3.03MPa	2.2MPa			
介质温度Temperature	<300℃				
适用介质 Medium	水、油及腐蚀性介质 Water、oil & corrosive medium				

Deseen International

Cast steel valve and Stainless valve





技术规范 Technical specification

館构形式 Structure form	对夹式 Waler type			
连接法兰 Flanged ends	ANSI B 16.5, JB/T79			
驱动方式 Driving manner	手动、电动、气动 Wrench、Electroc driving、Air opera			
試验和檢验 Test & Inspection	API 598			

主要零件材质表 Form of major parts materials

序号	零件名称	材质 N	Material	序号	零件名称	材质 Material		
No	Accessory name	GB	ASTM	No	Accessory name	GB	ASTM	
1	阀体 Body	CF8	A351-CF8	6	垫片 Gasket	PTFE, RTFE		
2	密封爾 Sealing ring	尼龙、对位聚苯N	ylon PTFE、RTFE	7	整片 Gasket	柔性石墨+不锈钢 Graphite+stainless steel		
3	球体 Ball	0Cr18Ni9+Ni.P	A276-304+NI.P	8	填料 Packing	柔性石巖 Graphite		
4	資料 Stem	0Cr18Ni9	A276-304	9	压套 Stuffing cover	0Cr18NI9	A276-304	
5	倒座 Seat	0Cr18Ni9	A276-304		10			

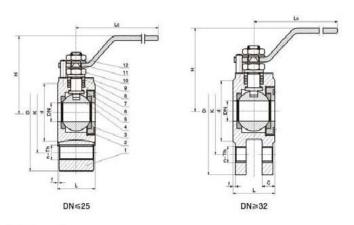
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主要外形尺寸 Main size of outside

PN1.0-2.5MPa	CLASS150

	DN(mm)	15	20	25	32	40	50	65	80	100
NPS(in)		1/2	3/4	1	11/4	11/2	2	21/2	3	4
L		40	45	50	60	70	80	110	120	140
	PN1.0, 1.6MPa	53	63	73	84	94	109	129	144	164
D	PN2.5MPa	53	63	73	84	94	109	129	144	170
	PN2.0MPa, Class150	47	57	66	75	85	103	122	135	173
手动	Н	82	82	104	113	122	132	144	155	183
Hand Operated	Lo	140	180	180	200	200	250	300	350	450
电助	Hı	324	323	345	354	363	373	385	455	495
Electric Driving	电动装置 Electric Driving Device	Q45-1	Q45-1	Q45-1	Q245-1	Q60-1	Q60-1	Q60-1	Q60-1	Q60-1
气动	Hz	228	228	238	263	275	284	365	382	425
Air-operating	气动装置 Air-operating Device	AG06	AG06	AG09	AG09	AG09	AG13	AG13	AG13	AW17





技术規范 Technical specification

结构形式 Structure form	对夹式 Wafer type
连接法兰 Flanged ends	ANSI B 16.5, JB/T79
驱动方式 Driving manner	手动 Wrench
试验和检验 Test & Inspection	API 598

主要零件材质表 Form of major parts materials

序号	零件名称	材质 M	Material	序号	零件名称	材质 Material		
No	Accessory name	GB	ASTM	No	Accessory name	GB	ASTM	
1	與体 Body	CF8	A351-CF8	7	填料 Packing	柔性石墨 Graphite		
2	興座 Seat	0Cr18Ni9	18NI9 A276-304		填料压置 Stuffing cover	0Cr18NI9	A276-304	
3	密封團 Sealing ring	尼龙、对位聚苯 Nylon PTFE、RTFE			垫 spring lock washers	0Cr18Ni9	A276-304	
4	球体 Ball	OCr18Ni9+Ni.P A278-304+Ni.P		10	漿簇螺母 Lock nut	0Cr18Ni9	A276-304	
5	資秤 Stem	0Cr18Ni9 A276-304		11	手柄 Wrench	OCr18Ni9	A276-304	
6	整片 Gasket	PTFE			既位銷 Pin	0Cr18Ni9	A276-304	

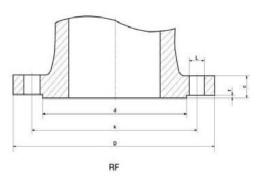
注: 系列阀门主要零部件及密封面的材质可模据实际工况条件或用户特殊要求设计选用。
Notes:Major parts of the valve series and materials of sealing surface differ according to actual working condition and customer's special requirement.

主要外形尺寸 Main size of outside

PN1.0-2.5MPa CLASS150

DN				PN1.6	6MPa				PN2	5MPa				PN4.	OMPa			· ·	
DN	L	D	K	d	С	n-Th	D	K	d	С	n-Th	D	К	d	С	n-Th		н	Lo
10	32	85	60	42	-	4-M12	85	60	42	-	4-M12	85	60	42	-	4-M12	2	80	150
15	32	90	65	47	42	4-M12	90	65	47	-	4-M12	90	65	47	121	4-M12	2	80	150
20	38	100	75	58	-	4-M12	100	75	58	-	4-M12	100	75	58	-	4-M12	2	85	150
25	42	110	85	68	-	4-M12	110	85	68	-	4-M12	110	85	68	+	4-M12	2	95	170
32	50	130	100	78	16	4-M16	130	100	78	16	4-M16	130	100	78	18	4-M16	2	100	180
40	60	140	110	88	16	4-M16	140	110	88	16	4-M16	140	110	88	18	4-M16	2	105	210
50	70	155	125	102	18	4-M16	155	125	102	18	4-M16	155	125	102	20	4-M16	2	115	230
65	94	180	145	125	20	4-M16	180	145	125	22	8-M16	180	145	125	22	8-M16	2	130	280
80	118	195	160	138	20	8-M16	195	160	138	24	8-M16	195	160	138	24	8-M16	2	145	300
100	140	215	180	160	22	8-M16	230	190	160	24	8-M20	230	190	160	24	8-M20	2	175	400
125	195	245	210	188	22	8-M16	270	220	188	26	8-M24	270	220	188	26	8-M24	2	190	500
150	225	280	240	212	24	8-M20	300	250	212	28	8-M24	300	250	212	28	8-M24	2	220	600
200	275	335	295	266	24	8-M22	380	310	274	30	8-M24	375	320	285	34	8-M27	2	260	700

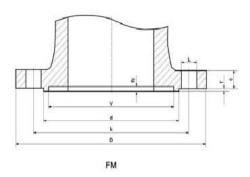
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DN	D	K	L	螺栓n-Th.	d	of .	C
15	95	65	14	4-M12	46	2	14
20	105	75	14	4-M12	56	2	16
25	115	85	14	4-M12	65	3	16
32	140	100	18	4-M16	76	3	18
40	150	110	18	4-M16	84	3	18
50	165	125	18	4-M16	99	3	20
65	185	145	18	4-M16	118	3	20
80	200	160	18	8-M16	132	3	20
100	220	180	18	8-M16	156	3	22
125	250	210	18	8-M16	184	3	22
150	285	240	22	8-M20	211	3	24
200	340	295	22	12-M20	266	3	24
250	405	355	26	12-M24	319	3	26
300	460	410	26	12-M24	370	4	28
350	520	470	26	16-M24	429	4	30
400	580	525	30	16-M27	480	4	32
450	640	585	30	20-M27	548	4	34
500	715	650	33	20-M30	609	4	36
800	840	770	38	20-M33	720	5	38
700	910	840	36	24-M33	794	5	40
800	1025	950	39	24-M36	901	5	42
900	1125	1050	39	28-M36	1001	5	44
1000	1255	1170	42	28-M39	1112	5	46

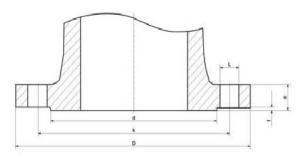
DN	D	K	L	螺栓n=Th.	d	8 f (C
15	95	65	14	4-M12	46	2	14
20	105	75	14	4-M12	56	2	16
25	115	85	14	4-M12	65	3	16
32	140	100	18	4-M16	76	3	18
40	150	110	18	4-M16	84	3	18
50	165	125	18	4-M16	99	33	20
65	185	145	18	8-M16	118	3	22
80	200	160	18	8-M18	132	3	24
100	235	190	22	8-M:20	156	3	24
125	270	220	26	8-M24	184	3	26
150	300	250	26	8-M:24	211	3	28
200	360	310	26	12-M24	274	3	30
250	425	370	30	12-M27	330	3	32
300	485	430	30	16-M27	389	4	34
350	555	490	33	16-M30	448	4	38
400	620	550	36	16-M33	503	4	40
450	670	600	36	20-M33	548	4	42
500	730	660	36	20-M33	609	4	44
600	845	770	39	20-M36	720	4	46
700	980	875	42	24-M39	820	5	50
800	1085	990	48	24-M45	928	5	54
900	1185	1090	48	28-M45	1028	5	58
1000	1320	1210	56	28-M52	1140	5	62





DN	D	K		個給n-Th.	d	Y	-	f2	C
15	95	65	14	4-M12	45	40	2	4	16
20	105	75	14	4-M12	55	51	2	4	16
25	115	85	14	4-M12	65	58	3	4	16
32	140	100	18	4-M16	78	66	3	4	18
40	150	110	18	4-M16	85	76	3	4	18
50	165	125	18	4-M16	100	88	3	4	20
65	185	145	18	8-M16	120	110	3	4	22
80	200	160	18	8-M16	135	121	3	4	22
100	235	190	22	8-M20	160	150	3	4.5	24
125	270	220	26	8-M24	188	176	3	4.5	28
150	300	250	26	8-M24	218	204	3	4.5	30
200	375	320	30	12-M27	282	260	3	4.5	38
250	450	385	33	12-M30	345	313	3	4.5	42
300	515	450	33	16-M30	408	364	4	4.5	48
350	580	510	36	16-M33	465	422	4	5	52
400	660	585	39	16-M36	535	474	4	5	58
450	685	610	39	20-M36	560	524	4	5	60
500	755	670	42	20-M39	612	576	4	5	62
600	890	795	48	20-M45	730	676	5	5	62
20	130	90	18	4-M16	68	51	2	4	20
15	105	75	14	4-M12	55	40	2	4	18
25	140	100	18	4-M16	78	58	2	4	22
32	155	110	23	4-M20	82	66	2	4	24
40	170	125	23	4-M20	95	76	3	4	24
50	180	135	23	4-M20	105	88	3	4	26
65	205	160	23	8-M20	130	110	3	4	28
80	215	170	23	8-M20	140	121	3	4.5	30
100	250	200	26	8-M24	168	150	3	4.5	32
125	295	240	30	8-M27	202	176	3	4.5	36
150	345	280	34	8-M30	240	204	3	4.5	38
200	405	345	36	12-M33	300	260	3	4.5	44
250 300	470 530	400 460	36 36	12-M33	352 412	313 364	3 4	4.5 4.5	48 54
350	600	525	41	16-M33 16-M36	475	422	- 2	5	60
400	670	585	42	16-M39	525	474	- 1	5	66
500	800	705	48	20=M45	640	576	7	5	70
600	930	820	58	20-M52	750	676	4	5	76
		/T79.2-94							
DN 50	D 195	145		螺栓n-Th. 4-24	112	88	3	12	C 28
65	220	170	26	8-24	138	110	3	1	32
80	230	180	26	8-24	148		3	2	34
100	265	210	30	8-27	172	121 150	3	4.5	38
125	315	250	34	8-30	210	176	3	4.5	42
150	355	290	34	12-30	250	204	3	4.5	46
200	430	360	36	12-33	312	260	3	4.5	54
		430	41	12-36	382	313	3	4.5	56
	505								
250 300	505 585	500				364	4	4.5	70
250	585 665		41	16-39 16-45	442 498	364 422	4	4.5 5	

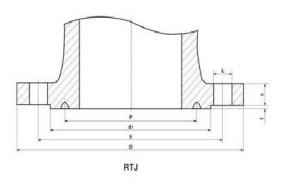




	DN	D	К	L.	螺栓n-Th.	d	1	C	(1)	DN	D	K	L	螺栓n-Th.	d	- 1	C
	2	152	120.5	18	4-M16	92	2	16		2	165	127	18	8-M16	92	2	23
2	2-1/2	178	139.5	18	4-M16	105	2	18		2-1/2	190	149	18	8-M20	105	2	26
	3	190	152.5	18	4-M16	127	2	19	1	3	210	168.5	18	8-M20	127	2	29
	4	229	190.5	18	8-M16	157	2	24	B16.47	4	254	200	18	8-M20	157	2	32
	5	254	216	22	8-M20	186	2	24	E	5	279	235	22	8-M20	186	2	35
	6	279	241.5	22	8-M20	216	2	26		6	318	270	22	12-M20	216	2	37
	8	343	298.5	22	8-M20	270	2	29	ASME	8	381	330	22	12-M24	270	2	42
	10	406	362	26	12-M24	324	2	31	1007	10	445	387.5	26	16-M27	324	2	48
	12	483	432	26	12-M24	381	2	32	6.5	12	521	451	26	16-M30	381	2	51
	14	533	476	29.5	12-M27	413	2	35	316	14	584	514.5	29.5	20-M30	413	2	54
Г	16	597	540	29.5	16-M27	470	2	37	ASME B1	16	648	571.5	29.5	20-M33	470	2	58
	18	635	578	32.5	16-M30	533	2	40	No.	18	711	628.5	32.5	24-M33	533	2	61
	20	699	635	32.5	20-M30	584	2	43	4	20	775	686	32.5	24-M33	584	2	64
	24	813	749.5	35.5	30-M33	692	2	48	F	24	914	813	35.5	24-M39	692	2	70
	26	870	806.5	35	24-M33	749	2	68		26	972	876	35	28-M42	749	2	79
	28	927	863.6	35	28-M33	800	2	72	30	28	1035	940	35	28-M42	800	2	86
	30	984	914	35	28-M33	857	2	75	CLASS300	30	1092	997	35	28-M45	857	2	92
	32	1060	978	41	28-M39	914	2	81	3	32	1149	1054	41	28-M48	914	2	99
	36	1168	1086	41	32-M39	1022	2	90	ō	36	1270	1168	41	32-M52	1022	2	105
	40	1289	1200	41	36-M39	1124	2	90		40	1238	1156	41	32-M42	1086	2	114
	42	1346	1257	41	36-M39	1194	2	97		42	1289	1206.5	41	32-M42	1137	2	119
	48	1511	1422	41	44-M39	1359	2	108		48	1467	1372	41	32-M48	1302	2	133

	DN	D	K	L	螺栓n-Th.	d	f	C		DN	D	K	L	螺栓n-Th.	d	1	C
	2	165	127	19	8-16	92	6.4	25.5	N	2	165	127	19	8-M16	92	6.4	26
2	2-1/2	190	149.2	22	8-20	105	6.4	29	6.47	2-1/2	190	149	22	8-M20	100	6.4	29
	3	210	168.3	22	8-20	127	6.4	32	B.1	3	210	168	22	8-M20	127	6.4	32
	4	254	200	26	8-24	157	6.4	35	H	4	273	216	26	8-M24	157	6.4	38
	5	279	234.9	26	8-24	186	6.4	38.5	ASME	5	330	266.5	29	8-M27	186	8.4	45
	6	318	269.9	26	12-24	216	6.4	41.5	32	6	345	292	29	12-M27	216	6.4	48
	8	381	330.2	29	12-27	270	6.4	48	6.5	8	419	349	32	12-M30	270	6.4	56
	10	445	387.3	32	16-30	324	6.4	54	816	10	508	432	35	16-M33	324	6.4	64
	12	520	450.8	35	16-33	381	6.4	57.5	ш	12	559	489	35	20-M33	381	6.4	87
	14	585	514.3	35	20-33	413	6.4	80.5	SIM	14	603	527	38	20-M36	413	6.4	70
	16	650	571.5	39	20-36	470	6.4	63.5	4	16	686	603	41	20-M39	470	6.4	77
	18	710	628	39	24-326	533	6.4	67	H	18	743	654	44	20-M42	533	6.4	83
	20	775	685.8	42	24-39	584	6.4	70	1000	20	813	724	44	24-M48	584	6.4	89
	24	915	812.8	48	24-45	692	6.4	76.5	99	24	940	838	52	24-M48	692	6.4	10
	26	851	781	39	28-36	711	6.4	89	988600	26	1016	914.4	51	28-M48	749	6.4	10
	28	914	838	41	24-39	762	6.4	95	CLA	28	1073	965.2	54	28-M48	800	6.4	11
	30	972	895.4	41	28-39	819	6.4	102	O	30	1130	1022.4	54	28-M52	857	6.4	11
	32	1035	952.5	44	28-42	873	6.4	108		32	1194	1079.5	60	25-M56	914	6.4	11





DN	D	K	L	螺栓n-Th.	d1	Р	1	C
2	216	165.1	26	8-24	124	95.25	8	38.5
2-1/2	244	190.5	29	8-27	137	107.95	8	41.5
3	241	190.5	26	8-27	168	123.82	8	38.5
4	292	234.9	32	8-30	194	149.22	8	44.8
5	349	279.4	35	8-33	229	180.98	8	51
6	381	317.5	32	12-30	248	211.12	8	56
8	470	393.7	39	12-36	318	269.88	8	63.5
10	545	469.9	39	16-36	371	323.85	8	70
12	610	533.4	39	20-36	438	381	11.13	79.5
14	640	558.8	42	20-39	489	419.1	11.13	86
16	705	615.9	45	20-42	546	469.9	12.7	89
18	785	685.8	51	20-48	613	533.4	15.88	102
20	855	749,3	54	20-52	673	584.2	17.48	108
24	1040	901.7	67	20-64	794	692.15	17.48	140
26	1086	952.5	73	20-70	832	749.3	17.48	140
28	1168	1022.4	79	20-76	889	800.1	17.48	143
30	1232	1085.9	79	20-76	946	857.25	17.48	149
32	1314	1155.7	86	20-84	1003	914.4	17.48	159

DN	D	K	L	螺栓n-Th.	dı	Р	f	С
2	215	165	26	8-24	92	95.25	7.92	38.5
2-1/2	245	190.5	29.5	8-27	105	107.95	7.92	41.5
3	265	203	32.5	8-30	127	136.52	7.92	48
4	310	241.5	35.5	8-33	157	161.92	7.92	54
5	375	292	42	8-39	186	193.68	7.92	73.5
6	395	317.5	39	12-36	216	211.12	9.52	83
8	485	393.5	45	12-42	270	269.88	11.13	92
10	585	482.5	51	12-48	324	323.85	11.13	108
12	675	571.5	55	16-52	381	381	14.27	124
14	750	635	60	16-56	413	419.1	15.88	133.5
16	825	705	68	16-64	470	469.9	17.48	146.5
18	915	774.5	74	16-70	533	533.4	17.48	162
20	985	832	80	16-76	584	584.2	17.48	178
24	1170	990.5	94	16-90	692	692.15	20.62	203.5



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公称管径 Nominal Pipe	幣号 Schedule Number	姆 數 Outside	外径 Diameter	公歌 Nominal Insi			内径 side Diameter	管子 Nominal Wa	世序 II Thickness
Size	or Wall	inch	mm	inch	mm	inch	mm	inch	mm
	40			2.469	62.6	2.479	62.97	0.203	5.2
	80		WA A	2.323	59.0	2.351	59.72	0.276	7.0
2-1/2	160	2.88	73.0	2.125	54.0	2.178	55.32	0.375	9.5
	XXS			1.771	45.0	1.888	47.45	0.552	14.0
	40			3.068	77.9	3.081	78.26	0.216	5.5
	80	3.50	88.9	2.900	73.7	2.934	74.52	0.300	7.6
3	160			2.624	66.7	2.692	68.38	0.438	11.1
	XXS			2.300	58.5	2.409	61.19	0.600	15.2
0.4/0	40	4.00	101.6	3.548	90.2	3.564	90.53	0.226	5.7
3-1/2	80	4.00	101.6	3.364	85.4	3.402	86.41	0.318	8.1
	40			4.026	102.3	4.044	102.72	0.237	6.0
	80	4.50	114.3	3.826	97.1	3,869	98.27	0.337	8.6
4	120			3.624	92.1	3.692	93.78	0.438	11.1
	160			3.438	87.3	3.530	89.66	0.531	13.5
	xxs			3.152	80.1	3.279	83.29	0.674	17.1
	40			5.047	128.1	5.070	128.78	0.258	6.6
5	80			4.813	122.3	4.866	123.60	0.357	9.5
	120	5.56	141.3	4.563	115.9	4.647	118.03	0.500	12.7
	160			4.313	109.5	4.428	112.47	0.625	15.9
	XXS			4.063	103.3	4.209	106.91	0.750	19.0
	40			6.065	154.1	8.094	154.79	0.280	7.1
	80		168.3	5.761	146.3	5.828	148.03	0.432	11.0
6	120	8.62		5.501	139.7	5.600	142.24	0.562	14.3
	160			5.187	131.7	5.326	135.28	0.719	18.3
	XXS			4.897	124.5	5.072	128.83	0.864	21.9
	40		219.1	7.981	202.7	8.020	203.71	0.322	8.2
Ī	60			7.813	198.5	7.873	199.97	0.406	10.3
1	80	8.62		7.625	193.7	7.709	195.81	0.500	12.7
100	100			7.437	188.9	7.544	191.62	0.594	15.1
8	120			7.187	182.5	7.326	186,08	0.719	18.3
	140			7.001	177.9	7.163	18194	0.812	20.6
	XXS			6.875	174.7	7.053	179.15	0.875	22.2
	160			6.813	173.1	8.998	177.75	0.906	23.0
	40			10.020	254.4	10.707	255.78	0.365	9.3
	60			9.750	247.6	9.834	249.78	0.500	12.7
	80			9.562	242.8	9.670	245.62	0.594	15.1
10	100	10.75	273	9.312	236.4	9.451	240.06	0.719	18.3
	120	0.00		9.062	230.2	9.232	234.49	0.844	21.4
	140			8.750	222.2	8.959	227.56	1.000	25.4
	160			8.500	215.8	8,740	222.00	1,125	28.6
	STD			12.000	304.8	12.053	308.15	0.375	9.5
	40			11.938	303.2	11.999	304.77	0.406	10.3
	XS			11.750	298.4	11.834	300.58	0.500	12.7
	60			11.626	295.2	11,725	297.82	0.562	14.3
12	80	12.75	32.8	11.374	288.8	11.505	292.23	0.688	17.5
15	100		52.10	11.062	281.0	11.232	285.29	0.844	21.4
-	120			10.750	273.0	10.959	278.36	1.000	25.4
	140			10.500	266.6	10.740	272.80	1.125	28.6
+	160			10.126	257.2	10.740	264.49	1.312	33.3



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公歌管径 Nominal Pips	管号 Schedule		外径 Diameter	公称 Nominal Insi	内径 de Diameter	Machined Ins	内径 side Diameter	管子 Nominal Wa	
Size	Number or Wall	inch	mm	Inch	mm	Inch	mm	inch	mm
	STD			13.250	336.6	13.303	337.90	0.375	9.5
	40			13.124	333.4	13.192	335.08	0.438	11.1
	XS			13.000	330.2	13,084	332,33	0.500	12.7
	60		355.8	12.812	325.4	12.920	328.17	0.594	15.1
14	80	14.00		12.500	317.6	12.648	921.21	0.750	19.0
	100			12.124	308.0	12.318	312.88	0.938	23.8
	120			11.812	300.0	12.044	305.92	1.094	27.8
	140			11.500	292.0	11.771	298.98	1.250	31.8
	160			11.188	284.2	11.498	292.05	1.406	35.7
	STD			15.250	387.4	15.303	388.70	0.375	9.5
	40		406.4	15.000	381.0	15,084	383.13	0.500	12.7
	80			14.688	373.0	14.811	376.20	0.656	16.7
16	80	16.00		14.312	393.6	14.482	367.84	0.844	21.4
10	100			13.938	354.2	14.155	359.54	1.031	26.2
	120			13.562	344.4	13.826	351.18	1.219	31.0
	140			13.124	333.4	13.442	341.43	1.438	36.5
	160			12.812	325.4	13.170	334.52	1.594	40.5
	STD			17.250	438.2	17,303	439.50	0.375	9.5
18	XS			17.000	431.8	17.084	433.93	0.500	12.7
	40			16.878	428.6	16.975	431.17	0.562	14.3
	60			16.500	419.2	16.646	422.81	0.750	19.0
	80	18.00	457.2	16.124	409.6	16.318	414.48	0.938	23.8
	100			15.688	398.4	15.936	404.77	1.156	29.4
	120			15.250	387.4	15.553	395.05	1.375	34,9
	140			14.876	377.8	15.225	386.72	1.582	39.7
	160			14.438	366.8	14.842	376.99	1.781	45.2
	STD		208.0	19.250	489.0	19.303	490.30	0.375	9.5
	XS			19.000	482.6	19.084	484.73	0.500	12.7
	40			18.812	477.8	18.920	480.57	0.594	15.1
	60	20.00		18.376	466.8	18.538	470.87	0.812	20.6
20	80			17.938	455.6	18,155	461.14	1.031	26.2
	100			17.438	443.0	17.717	450.01	1.281	32.5
	120			17.000	431.8	17.334	440.28	1.500	38.1
	140			16.500	419.2	16.896	429.16	1.750	44.4
	160			16.062	408.0	16.513	419.43	1.969	50.0
	STD			21.250	539.8	21.303	541.10	0.375	9,5
	XS			21.000	533.4	21.084	535.53	0.500	12.7
	80			20.250	514.4	20.428	518.87	0.875	22.2
22	80	22.00	558.8	19.750	501.6	18.880	507.75	1.125	28.6
	100			19.250	488.8	19.553	496.65	1.375	35.0
1	120			18.750	476.2	19,115	485.52	1.625	41.3
	140			18.250	463.6	18.678	474.42	1.875	47.6
	180			17.750	450.8	18.240	463.30	2.125	54.0
	STD			23.250	590.6	23.303	591.90	0.375	9.5
	XS			23.000	584.2	23.084	588.33	0.500	12.7
-	30			22,876	581.0	22.975	583.57	0.562	14.3
	40			22.624	574.6	22.755	577.98	0.688	17.5
24	80	24.00	609.6	22.062	560.4	22.263	565.48	0.969	24.6
	80	70000	7,657,036,0	21.562	547.6	21.826	554.38	1.219	31.0
-	100			20.938	531.8	21.280	540.51	1.531	38.9
	120			20.376	517.6	20.788	528.02	1.812	46.0
-	140			19.876	504.8	20.350	516.89	2.062	52.4
	180			19.312	490.6	19.857	504.37	2.344	59.5