

● 主要外形尺寸及重量 Main Size of Outside & Weight

PN15.0MPa CLASS 900

DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	750	800	900	1000	1200
NPS	in	2	2 1/2	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	1092	1130	1219	1321	1549	1780	2050	2050	2180	2600
对焊Butt Welding	L1	368	419	381	457	610	737	838	965	1092	1130	1219	1321	1549	1700	1780	1960	2100	2376
手动 Hand-operated	H	148	191	216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W	650	650	650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Kg	50	55	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
蜗轮传动 Worm gear operated	H	-	-	-	270	384	435	518	657	693	762	866	894	965	1160	1240	1310	1420	1530
	W	-	-	-	600	800	800	800	800	800	800	800	800	800	1000	1000	1000	1000	1000
	Type	-	-	-	B	-	C	D	D	DA	DB	DC	DD	DH	DH	DJ	DJ	DK	DK
	Kg	-	-	-	150	360	620	1100	1600	1850	2200	2800	4250	7000	12500	14500	18000	22000	32000
气动 Air-operating	H	519	-	728	842	1014	1120	1124	13747	1490	1615	1760	1760	1760	-	-	-	-	-
	H1	295	-	519	595	770	815	1004	1154	1210	1335	1410	1410	1410	-	-	-	-	-
	L2	287	-	378	530	530	680	1455	1455	1665	1665	1960	1960	1960	-	-	-	-	-
	L3	287	-	378	530	530	680	1455	1455	1665	1665	1960	1960	1960	-	-	-	-	-
	Type	AW17	-	AW17	AW20	AW20	AW28	AW28	C1-355	C1-355	C2-490	C2-490	C2-490	C3-600	-	-	-	-	-
	Kg	80	-	145	225	380	700	1200	1750	1900	2300	2900	4350	8100	-	-	-	-	-
电动 Electric Driving	H	-	-	-	418	625	612	817	908	866	1035	1139	1167	1279	1854	1934	2004	2114	2224
	H1	-	-	-	270	384	435	518	657	693	762	866	894	956	1130	1210	1280	1390	1500
	W	-	-	-	200	280	280	280	305	305	305	400	400	600	600	600	600	600	600
	Type	-	-	-	SMC-04 +H1BC	SMC-04 +H3BC	SMC-00 +H3BC	SMC-0 +H4BC	SMC-0 +H4BC	SMC-1 +H5BC	SMC-3 +H6BC	SMC-3 +H6BC	SMC-4 +H7BC	SMC-4 +H7BC	SMC-5 +H7BC	SMC-5 +H7BC	SMC-5 +H7BC	SMC-5 +H7BC	SMC-5 +H7BC
	Kg	-	-	-	240	390	710	1300	1780	2000	2410	3110	4420	8250	13200	16000	19500	23500	33100

● 主要外形尺寸及重量 Main Size of Outside & Weight

PN25.0MPa CLASS 1500

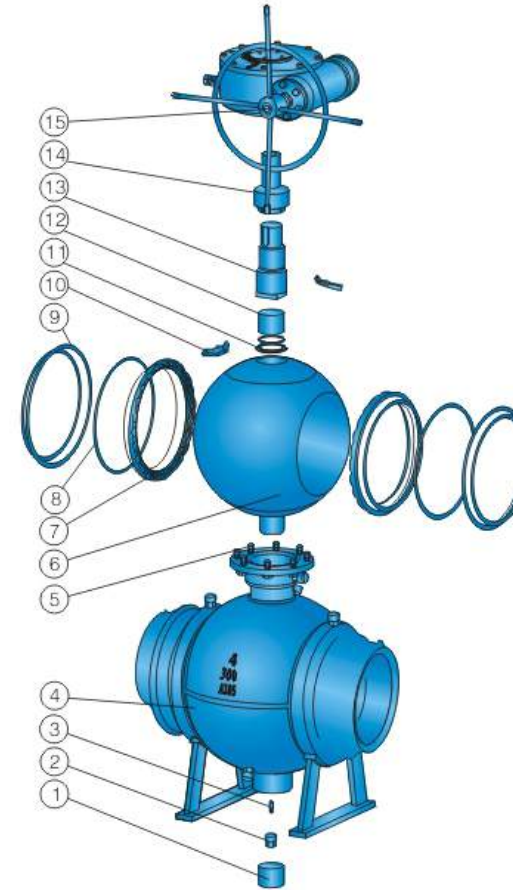
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600
NPS	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24
法兰Flange	L	368	419	470	546	705	832	991	1130	1257	1384	1537	1664	2043
对焊Butt Welding	L1	368	419	470	546	705	832	991	1130	1257	1384	1537	1664	2043
手动 Hand-operated	H	175	191	216	-	-	-	-	-	-	-	-	-	-
	W	650	650	750	-	-	-	-	-	-	-	-	-	-
	Kg	60	70	85	-	-	-	-	-	-	-	-	-	-
蜗轮传动 Worm gear operated	H	175	91	216	247	329	492	428	640	670	700	755	830	952
	W	400	400	600	600	800	800	800	800	800	800	800	800	800
	Type	A	A	B	B	C	D	D	DA	DB	DC	DD	DH	DH
	Kg	65	82	100	210	500	850	1600	2300	2950	4200	5000	5600	2200
气动 Air-operating	H	519	728	842	1014	1120	1124	1374	1490	1615	1760	1760	1760	-
	H1	295	519	595	770	815	1004	1154	1210	1335	1410	1410	1410	-
	L2	287	378	530	530	680	1455	1455	1665	1665	1960	1960	1960	-
	L3	287	378	530	530	680	1455	1455	1665	1665	1960	1960	1960	-
	Type	AW17	AW17	AW17	AW20	AW28	AW28	C1-355	C1-355	C2-490	C2-490	C2-429	C3-600	-
	Kg	90	135	155	280	510	900	1710	2350	3100	4410	5100	6100	-
电动 Electric Driving	H	-	-	388	488	506	591	679	813	943	973	1048	1153	-
	H1	-	-	216	247	329	392	428	640	670	700	755	830	-
	W	-	-	200	280	280	280	305	305	305	400	400	600	-
	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-3 +H6BC	SMC-4 +H7BC
	Kg	-	-	160	280	520	950	1800	2400	3300	4510	6200	7200	-

● 设计标准

1. 设计标准: API 6D、GB/T12237
 2. 结构长度: API 6D、ASME B16.10、GB/T12221
 3. 法兰尺寸: ASME B16.5、ASME B16.47、GB/T9113
 4. 试验和检验: API 598、JB/T9092
- 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》

● Design Construction

1. Design Standard: API 6D、GB/T12237
 2. Face to Face: API 6D、ASME B16.10、GB/T12221
 3. Flanged size: ASME B16.5、ASME B16.47、GB/T9113
 4. Test & Inspection: API 598、JB/T9092
- 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》



● 主要零件材料 Major Parts Material Form

序号 No.	零件名称Part name	材质Material	序号 No.	零件名称Part name	材质Material
		ASTM			ASTM
1	衬套Bushing	Nikealium+PTFE	9	板簧Plate spring	AISI 9260
2	垫片Machine screw	A105	10	旋转装置Device for seat rotating	
3	弹簧Spring	Inconel x – 750	11	阀杆密封Sealing ring for stem	PTFE
4	阀体Body	A105	12	衬套Bushing	Nikealium+PTFE
5	螺栓Stud	A193–B7	13	阀杆Stem*	A182–F6a
6	球体Ball**	WCB+ENP	14	连接套Connection set	AISI C 1045
7	阀座Seat	A105	15	驱动装置Driving	
8	密封圈Sealing ring	PTFE			

注: *抗硫型阀门的该零件的材质为ASTM(A276-321)

**抗硫型阀门的该零件的材质为ASTM(A182-304、CF8+Ni.P)

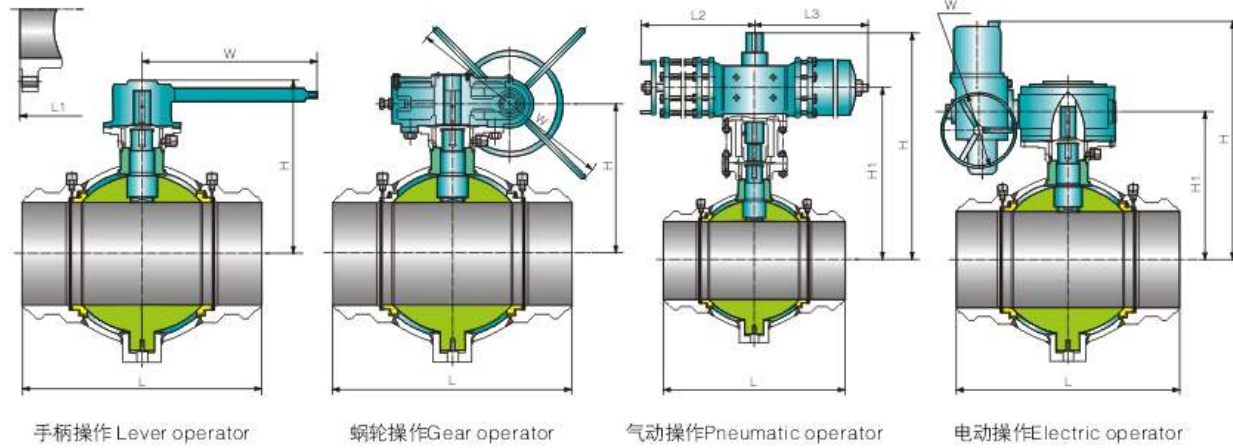
系列阀门主要零部件及密封面的材质可根据实际工况条件或用户特殊要求设计选用。

Notes: *The material of this part about the anti-sulphur type valve is ASTM(A276-321)

**The material of this part about the anti-sulphur type valve is ASTM(182-304、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.

● 全焊接固定球阀PN1.6MPa CLASS 150~PN25.0MPa CLASS 1500



● 主要外形尺寸及重量 Main Size of Outside & Weight

PN1.6MPa CLASS 150

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	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	42	48	56	60
法兰Flange	L	216	241	283	305	381	457	521	559	635	762	838	914	991	1143	1346	1524	1727	1930	1829	2180	2300	2400
对焊Butt Welding	L1	178	191	203	229	356	394	457	533	610	686	762	864	914	1067	1245	1372	1524	1721	1689	2100	2250	2400
手动 Hand-operated	H	107	125	152	178	300	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W	230	350	400	450	700	750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Kg	23	42	50	65	70	82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
蜗轮传动 Worm gear operated	H	-	-	-	-	-	-	337	385	414	447	510	538	585	665	730	930	990	1070	1260	1370	1480	1550
	W	-	-	-	-	-	-	600	600	800	800	800	800	800	800	800	800	800	800	800	800	800	800
	Type	-	-	-	-	-	-	B	B	C	C	D	D	D	DA	DA	DB	DB	DC	DC	DD	DH	HD
	Kg	-	-	-	-	-	-	133	208	312	413	577	780	1028	1706	2534	3644	4986	6800	8500	11173	12300	15800
气动 Pneumatic operated	H	269	379	389	479	552	666	804	839	972	1127	1495	1529	1599	1645	1160	1460	1510	1610	-	-	-	-
	H1	174	248	258	322	395	457	595	630	728	883	1154	1224	1294	915	930	1100	1150	1250	-	-	-	-
	L2	89	148	148	287	287	378	378	378	530	530	680	680	680	1455	1455	1665	1665	1960	-	-	-	-
	L3	181	257	257	287	287	378	378	378	530	530	680	680	680	1455	1455	1665	1665	1960	-	-	-	-
	Type	AG09	AG13	AG13	AW13	AW13	AW17	AW17	AW17	AW20	AW20	AW28	AW28	AW28	C1-355	C1-355	C2-490	C2-490	C3-600	-	-	-	-
	Kg	40	50	72	80	110	130	180	300	350	450	610	820	1100	1900	2600	4000	5100	7200	-	-	-	-
电动 Electric Driving	H	-	-	-	-	-	435	480	532	600	610	670	760	763	903	982	1108	1445	1655	1954	2064	2174	2244
	H1	-	-	-	-	-	215	262	315	320	360	420	510	590	630	725	835	880	970	1230	1340	1450	1520
	W	-	-	-	-	-	200	200	200	280	280	280	305	305	305	400	400	460	460	600	600	600	600
	Type	-	-	-	-	-	SMC-04 +H18C	SMC-04 +H18C	SMC-04 +H18C	SMC-04 +H18C	SMC-03 +H18C	SMC-03 +H18C	SMC-03 +H18C	SMC-03 +H18C	SMC-03 +H18C	SMC-03 +H18C	SMC-03 +H18C	SMC-03 +H18C	SMC-03 +H18C	SMC-03 +H18C	SMC-03 +H18C	SMC-03 +H18C	SMC-03 +H18C
	Kg	-	-	-	-	-	145	196	310	360	475	625	880	1200	2100	2750	4230	6000	7800	9000	12500	14000	17000

● 主要外形尺寸及重量 Main Size of Outside & Weight

PN2.5、4.0MPa CLASS 300

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	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	42	48	56	60
法兰Flange	L	216	241	283	305	381	457	521	559	635	762	838	914	991	1143	1346	1524	1727	2083	2050	2180	2300	2400
对焊Butt Welding	L1	216	241	283	305	381	403	502	568	648	762	838	914	991	1143	1346	1524	1727	2083	1960	2020	2250	2400
手动 Hand-operated	H	107	125	152	178	300	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W	230	400	400	600	750	800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Kg	32	48	65	75	82	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
蜗轮传动 Worm gear operated	H	-	-	-	-	-	-	278	375	460	465	510	538	660	830	880	930	990	1070	1260	1370	1480	1550
	W	-	-	-	-	-	-	600	600	800	800	800	800	800	800	800	800	800	800	800	800	800	800
	Type	-	-	-	-	-	-	B	B	C	C	D	D	DA	DB	DC	DC	DD	DD	DD	DD	DH	HD
	Kg	-	-	-	-	-	-	152	242	376	489	708	950	1247	2066	3101	4374	6050	8185	9500	13413	14200	17500
气动 Pneumatic operated	H	269	379	452	579	595	595	736	942	994	1188	1280	1480	1554	1380	1430	1599	1790	1850	-	-	-	-
	H1	209	248	295	322	386	386	527	698	570	883	975	1080	1154	930	980	1149	1190	1250	-	-	-	-
	L2	148	148	287	287	378	378	530	530	680	680	680	680	1455	1455	1665	1665	1960	1960	-	-	-	-
	L3	181	257	287	287	378	378	530	530	680	680	680	680	1455	1455	1665	1665	1960	1960	-	-	-	-
	Type	AG13	AG13	AW13	AW13	AW17	AW17	AW20	AW20	AW28	AW28	C1-355	C1-355	C2-490	C2-490	C3-600	C3-600	-	-	-	-	-	-
	Kg	49	64	70	82	112	145	220	310	395	510	752	1000	1320	2200	3200	4520	6500	9100	-	-	-	-
电动 Electric Driving	H	-	-	-	-	-	434	480	432	641	611	670	761	763	903	998	1108	1565	1655	2105	2245	2395	2470
	H1	-	-	-	-	-	217	263	315	360	360	420	510	590	670	725	835	880	970	1420	1560	1710	1785
	W	-	-	-	-	-	200	200	200	280	280	280	305	305	305	400	4600	460	460	600	600	600	600
	Type	-	-	-	-	-	SMC-04 +H18C	SMC-04 +H18C	SMC-04 +H18C	SMC-03 +H28C	SMC-03 +H28C	SMC-03 +H38C	SMC-03 +H38C	SMC-03 +H48C	SMC-03 +H48C	SMC-1 +H63C	SMC-2 +H63C	SMC-2 +H63C	SMC-3 +H63C	SMC-3 +H78C	SMC-3 +H78C	SMC-4 +H78C	SMC-4 +H78C
	Kg	-	-	-	-	-	170	290	330	415	525	780	1200	1380	2400	3500	4630	6850	10500	11000	14000	15200	18100

● 主要外形尺寸及重量 Main Size of Outside & Weight

PN10.0MPa CLASS 600

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	2 1/2	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	L1	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	1549	1778	2083	2337	2050	2180	2300	2400
手动 Hand-operated	H	108	155	197	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W	500	650	650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Kg	45	60	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
蜗轮传动 Worm gear operated	H	-	-	-	115	180	254	325	392	390	455	590	630	830	960	1030	1171	1250	1260	1370	1480	1550
	W	-	-	-	600	600	800	800	800	800	800	800	800	800	800	800	800	800	1000	1000	1000	1000
	Type	-	-	-	B	C	C	D	D	DA	DA	DB	DC	DD	DH	DH	DH	DH	DJ	DJ	DK	DK
	Kg	-	-	-	95	116	189	296	446	597	860	1154	1568	2613	3841	5508	7597	10370	12500	17136	21000	23400
气动 Pneumatic operated	H	269	-	519	636	728	839	1014	1120	1224	1374	-	1490	1615	1760	-	-	-	-	-	-	-
	H1	209	-	295	479	519	595	770	815	1004	1154	-	1210	1335	1410	-	-	-	-	-	-	-
	L2	148	-	287	287	378	530	530	680	1445	1445	-	1665	1665	1960	-	-	-	-	-	-	-
	L3	257	-	287	287	378	530	530	680	1445	1445	-	1665	1665	1960	-	-	-	-	-	-	-
	Type	AG13	-	AW13	AW13	AW17	AW20	AW20	AW28	C1-355	C1-355	-	C2-490	C2-490	C3-600	-	-	-	-	-	-	-
	Kg	60	-	105	112	160	220	320	470	610	890	-	1600	2700	4000	-	-	-	-	-	-	-
电动 Electric Driving	H	-	-	-	-	480	532	641	651	670	761	783	943	998	1108	1238	1350	1400	1954	2064	2174	2244
	H1	-	-	-	-	262	360	400	474	472	510	610	670	725	835	915	1050	1100	1230	1340	1450	1520
	W	-	-	-	-	200	200	280	280	280	305	305	305	400	400	600	600	600	600	600	600	600
	Type	-	-	-	-	SMC-04 +H18C	SMC-03 +H28C	SMC-00 +H38C	SMC-00 +H38C	SMC-0 +H48C	SMC-0 +H48C	SMC-1 +H58C	SMC-3 +H63C	SMC-3 +H63C	SMC-4 +H78C	SMC-4 +H78C	SMC-4 +H78C	SMC-4 +H78C	SMC-5 +H78C	SMC-5 +H78C	SMC-5 +H78C	SMC-5 +H78C
	Kg	-	-	-	-	175	240	350	495	625	920	1200	1280	2900	4350	5800	8200	11200	14100	19000	23000	24000

●主要外形尺寸及重量 Main Size of Outside & Weight

PN15.0MPa CLASS 900

DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	750	800	900	1000	1200
NPS	in	2	2 1/2	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	1092	1130	1219	1321	1549	1780	2050	2050	2180	2600
对焊Butt Welding	L1	368	419	381	457	610	737	838	965	1092	1130	1219	1321	1549	1700	1780	1960	2100	2376
手动 Hand- operated	H	217	241	259	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W	650	650	650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Kg	58	76	96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
蜗轮传动 Worm gear operated	H	-	-	-	177	244	274	382	452	515	602	706	714	736	1050	1090	1150	1230	1530
	W	-	-	-	600	800	800	800	800	800	800	800	800	800	800	1000	1000	1000	1000
	Type	-	-	-	B	-	C	D	D	DA	DB	DC	DD	DH	DH	DJ	DJ	DK	DK
	Kg	-	-	-	115	125	225	377	559	776	1124	1503	2049	3351	6008	7147	9908	11500	19000
气动 Pneumatic operated	H	519	-	728	842	1014	1120	1224	1374	1490	1615	1760	1760	1760	-	-	-	-	-
	H1	295	-	519	595	770	815	1004	1154	1210	1335	1410	1410	1410	-	-	-	-	-
	L2	287	-	378	530	530	680	1455	1455	1665	1665	1960	1960	1960	-	-	-	-	-
	L3	287	-	378	530	530	680	1455	1455	1665	1665	1960	1960	1960	-	-	-	-	-
	Type	AW17	-	AW17	AW20	AW20	AW28	AW28	C1-355	C1-355	C2-490	C2-490	C2-490	C3-600	-	-	-	-	-
	Kg	70	-	115	125	165	240	390	620	790	1240	1700	2250	3420	-	-	-	-	-
电动 Electric Driving	H	-	-	-	480	641	651	711	811	783	963	1058	1148	1238	1744	1784	1844	1294	2044
	H1	-	-	-	262	400	474	512	550	610	690	785	875	915	1020	1060	1120	1200	1320
	W	-	-	-	200	280	280	280	305	305	305	400	400	600	600	600	600	600	600
	Type	-	-	-	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	SMC-4 +H7BC	SMC-5 +H7BC	SMC-5 +H7BC	SMC-5 +H7BC	SMC-5 +H7BC	SMC-5 +H7BC
	Kg	-	-	-	128	175	265	395	635	812	1320	1750	2350	3560	4200	8100	11800	12500	20000

●主要外形尺寸及重量 Main Size of Outside & Weight

PN25.0MPa CLASS 1500

DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600
NPS	in	2	2 1/2	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	2043
对焊Butt Welding	L1	368	419	470	546	705	832	991	1130	1257	1384	1537	1664	2043
手动 Hand- operated	H	217	241	259	-	-	-	-	-	-	-	-	-	-
	W	650	650	650	-	-	-	-	-	-	-	-	-	-
	Kg	75	82	105	-	-	-	-	-	-	-	-	-	-
蜗轮传动 Worm gear operated	H	137	161	169	177	244	355	458	576	601	671	740	770	860
	W	600	600	600	600	800	800	800	800	800	800	800	800	800
	Type	A	A	B	B	C	D	D	DA	DB	DC	DD	DH	DH
	Kg	85	98	115	125	145	240	395	610	820	1250	1680	2400	3580
气动 Pneumatic operated	H	519	728	842	1014	1120	1124	1374	1490	1615	1760	1760	1760	-
	H1	295	519	595	770	815	1004	1154	1210	1335	1410	1410	1410	-
	L2	287	378	530	530	680	1455	1455	1665	1665	1960	1960	1960	-
	L3	287	378	530	530	680	1455	1455	1665	1665	1960	1960	1960	-
	Type	AW17	AW17	AW17	AW20	AW28	AW28	C1-355	C1-355	C2-490	C2-490	C2-429	C3-600	-
	Kg	95	115	120	145	180	290	420	700	890	1300	1820	2610	-
电动 Electric Driving	H	-	-	542	641	651	711	801	823	965	1085	1168	1238	-
	H1	-	-	370	400	474	512	550	650	690	785	895	915	-
	W	-	-	200	280	280	280	305	305	305	400	400	600	-
	Type	-	-	SMC-04 +H1BC	SMC-04 +H3BC	SMC-00 +H3BC	SMC-00 +H3BC	SMC-0 +H4BC	SMC-0 +H4BC	SMC-1 +H5BC	SMC-3 +H6BC	SMC-3 +H6BC	SMC-4 +H7BC	-
	Kg	-	-	142	160	196	320	452	850	910	1420	1960	2820	-

●结构特点 Structural features

顶装式球阀是我公司消化吸收国外先进技术，并综合我公司多年的设计制造经验研制开发出来的新产品，技术水平达到国内一流，产品可与国际同行一相媲美。它除了具有侧装固定球阀的特点外（见固定球阀），还有以下几个特点：

- 1、整体式阀本设计，顶装式耳轴固定支持，法兰或对接焊结构。
- 2、因科镍波纹弹簧使密封的金属阀座向球移动，具有进口和出口双向密封功能。
- 3、采用独特的阀座可缩回技术，在线可更换球杆，阀杆密封圈金属阀及波纹较长，扭矩减小到最小，便于阀门操作。
- 4、便于维修，安装方便，使用寿命长。阀门无需从管线上拆下来，即可维修和更换内件，延长了使用寿命。
- 5、力矩小，密封可靠，球形结构的阀座与普通球阀不一样，可以自动调整密封位置。
- 6、预置驱动装置平台及螺孔，并符合ISO5211的要求，根据用户不同的要求，随时可装配驱动装置。
- 7、阀门具有DBB双阻塞泄放功能。
- 8、手动顶装式球阀采用高强度整体式球杆结构，确保了球体的精确定位。
- 9、阀杆采用防吹出保护结构，提高阀门操作的安全性。



Top entry ball valves are new products developed upon the advanced technology abroad and through many years of the designing and manufacturing experience of ours. With technology up to domestic leading level, these products can compete with international counterparts. Besides the features borne by the side entry fixed ball valve (see fixed ball valve), they are also given the features below:

1. One-piece valve body, top entry trunnion to fix and support, flanged or butt welded structure.
2. Inconel bellows spring makes the sealed metal seat moving toward the ball, providing the two way seal function of inlet and out let.
3. Adopting distinctive technology of retractable valve seat, on side replace stem, valve stem sealing ring, metal seat and bellow spring, and torque down to the minimum for the ease of operation.
4. Easy to repair and install, long performance life. Access for repair and replacement of trims can be done without removing the valve from the pipeline, thus to lengthen the service life.
5. Low torque, reliable sealing, and spherical seat different from ordinary ball valves, which can automatically adjust the position of seal.
6. Preset platform and bolt holes for drive device, and to ISO5211. Drive device can be installed according to users' different requirements.
7. DBB (double block and bleed) function.
8. Hand operated top entry ball valve adopts high strength one-piece stem structure to ensure the precise positioning of the ball.
9. Anti-blowout protective structure of valve stem to enhance the operational safety of the valve.

●球阀技术规范 Ball valve technical specifications

技术规范 Technical specification	API系列 Series
设计规范 Design codes	API6D、API608、BS5351
压力温度等级 Pressure/Temperature rating	ASME B16.34
结构长度 Face to face dimension	ASME B16.10
法兰连接 Flange ends	ASME B16.5、ASME B16.47
对焊端连接 Butt weld ends	ASME B16.25
检验与试验 Inspection and test	API598/API6D
防火试验 Firesafe test	API 6FA
铸件质量检验 Inspection of castings quality	MSS-SP-55