

Fluid control experts
CHUANHU VALVE
流体控制专家 - 川沪阀门



上海川沪阀门有限公司
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CHUANHU VALVE FACTORY

上海川沪阀门有限公司
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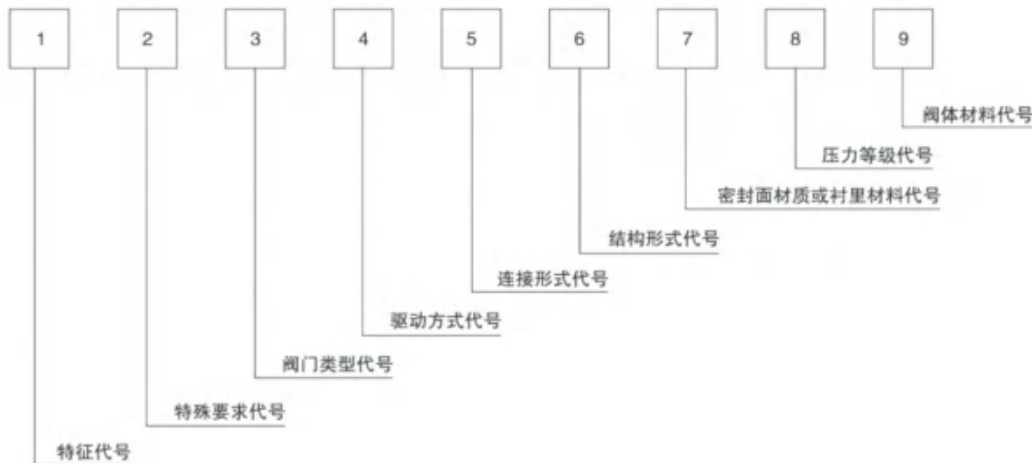
球阀

PRODUCT GUIDE

川沪阀门
CHUANHU

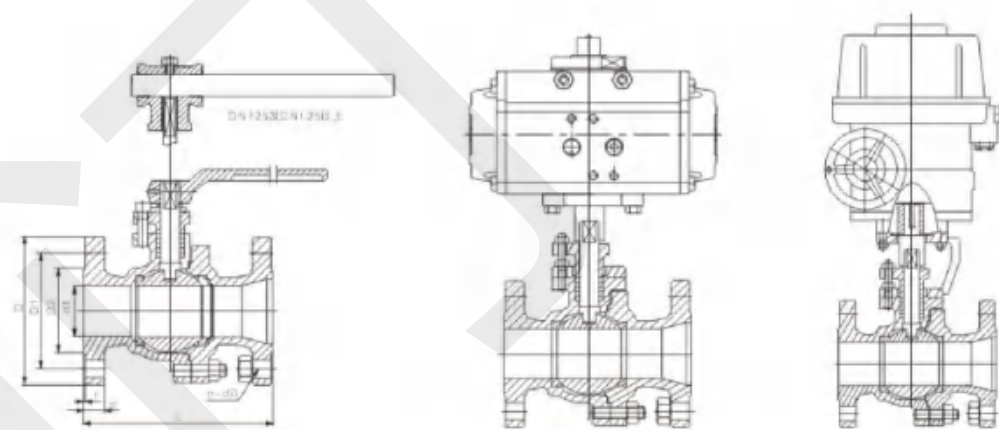


型号编制说明



- 1、特征代号：本公司特征代号为 CH
- 2、特殊要求代号：K=抗硫型，D=低温型，B=保温夹套型，L=加长阀杆型，Y=氧气专用型，W=卫生型、V=V型球。
- 3、阀门类型代号：Z=闸阀，J=截止阀，Q=球阀，D=蝶阀，G=隔膜阀，X=旋塞阀。
- 4、驱动方式代号：6=气动，6S=气动加手动，6K=气动常开式，6B=气动常闭式。
- 5、连接形式代号：1=内螺纹连接，2=外螺纹连接，4=法兰连接，6=焊接，7=对夹连接，8=卡箍连接。
- 6、结构形式代号：
闸阀 1=楔式单闸板，2=楔式双闸板，0=楔式弹性闸板，3=平行单闸板，4=平行式双闸板。
截止阀 1=直通式，4=角式，5=直流式。
球阀 1=浮动直通式，4=浮动式 L 型三通，5=浮动式 T 型三通，7=固定直通式，8=固定式 T 型三通，9=固定式 L 型三通，0=半球直通。
蝶阀 1=中线直板式，3=三维偏心式。
隔膜阀 1=屋脊式，3=截止式。
放塞阀 3=直通式，4=T 型三通式，5=四通式。
- 7、密封面材质或衬里材料代号：F=聚四氟乙烯，P=对位聚苯，N=尼龙，X=橡胶，H=合金钢，Y=硬质合金，J=衬橡胶，
F=衬聚四氟乙烯。
- 8、压力等级代号：
GB 标准公称压力 MPa(兆帕)的 10 倍 (Kgf/cm)单位表示 6.0, 10, 16, 25, 40, 64, 100
ANSI 标准压力等级为 Class150, 300, 400, 600
JIS 标准压力等级为 10K, 20K, 40K。
- 9、阀体材料代号：
C=WCB; P=CF8 (304) 00Cr18Ni10, (321) 1Cr18Ni9Ti; PL=CF3 (304L) 00Cr18Ni10; R=CF8M (316) 0CrNi12o2;
RL=CF3M (316L) 00Cr17Ni14Mo2; I=Wc6, 1Cr5Mo; F=LCB; N=LCS3; S=PVC、RPP
(相对应锻件材质不详细列举)
注：PN≥2.5MPa 及压力等级=Class150 的碳素铸钢阀体，省略本代号。
例 1：:CHQ641F-16P-DN50
表示公称压力为 1.6MPa、 通径 DN50 毫米的气动法兰连接全通径浮动式不锈钢球阀。
例 2：:CHQ41F-16C-DN80
表示压力等级 1.6MPa、 通径 DN80 毫米的手柄式全通径碳钢浮动式球阀。

浮动式球阀-国标



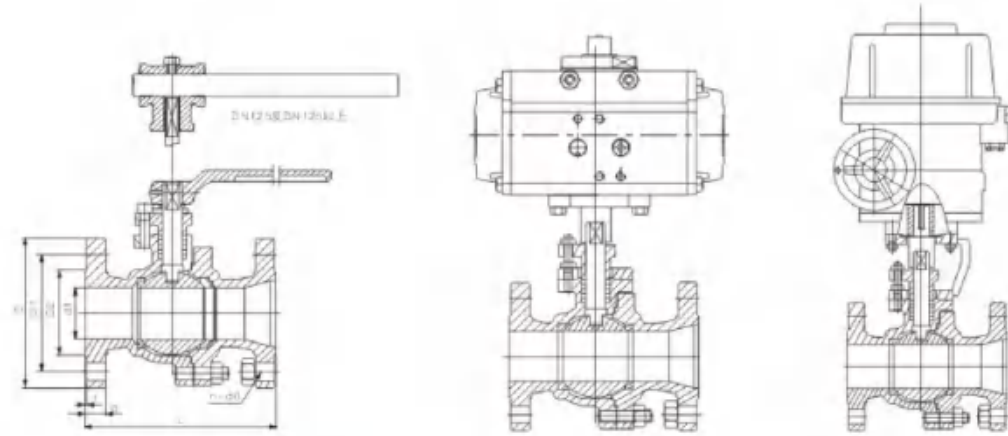
主要外形尺寸 Main External Dimensions PN16

DN	d1	L	D	D1	D2	b	f	n-d0	H
20	20	130	105	75	55	14	2	4-14	75
25	25	140	115	85	65	14	2	4-14	85
32	32	165	140/135	100	78	16	2	4-18	110
40	40	165	150/145	110	85	16	3	4-18	135
50	50	203	165/160	125	100	16	3	4-18	142
65	65	222	185/180	145	120	18	3	4-18	173
80	80	241	200/195	160	135	20	3	8-18	183
100	100	305	220/215	180	155	20	3	8-18	255
125	125	356	250/245	210	185	22	3	8-18	264
150	150	394	285/280	240	210	24	3	8-23	290
200	200	457	340/335	295	265	26	3	12-23	395

PN25

DN	d1	L	D	D1	D2	b	f	n-d0	H
20	20	152	105	75	55	16	2	4-14	75
25	25	165	115	85	65	16	2	4-14	85
32	32	178	140/135	100	78	18	2	4-18	110
40	40	190	150/145	110	85	18	3	4-18	135
50	50	216	165/160	125	100	20	3	4-18	142
65	65	241	185/180	145	120	22	3	8-18	173
80	80	283	200/195	160	135	22	3	8-18	183
100	100	305	230	190	160	24	3	8-23	250
125	125	381	270	220	188	28	3	8-25	315
150	150	403	300	250	218	30	3	8-25	340
200	200	502	360	310	278	34	3	12-25	395

浮动式球阀-国标



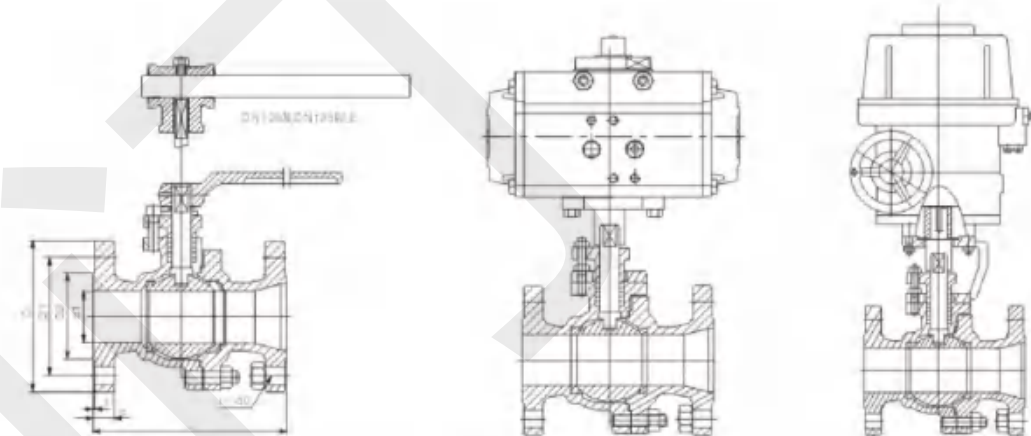
主要外形尺寸 Main External Dimensions PN40

DN	d1	L	D	D1	D2	b	f	n-d0	H	I2	D6
20	20	130	105	75	55	16	2	4-14	75	4	51
25	25	140	115	85	65	16	2	4-14	85	4	58
32	32	165	140/135	100	78	18	2	4-18	110	4	66
40	40	165	150/145	110	85	18	3	4-18	135	4	76
50	50	203	165/160	125	100	20	3	4-18	142	4	88
65	65	222	185/180	145	120	22	3	8-18	173	4	110
80	80	241	200/195	160	135	22	3	8-18	183	4	121
100	100	305	235/230	190	160	24	3	8-23	255	4.5	150
125	125	356	270	220	188	28	3	8-25	264	4.5	176
150	150	394	300	250	218	30	3	8-25	290	4.5	204
200	200	457	375	320	282	38	3	12-30	395	4.5	260

PN64

DN	d1	L	D	D1	D2	b	f	n-d0	H	I2	D6
20	20	190	13/125	90	68	20	2	4-18	75	4	51
25	25	216	140/135	100	78	22	2	4-18	85	4	58
32	32	229	155/15	110	82	24	2	4-23	110	4	66
40	40	241	170/165	125	95	24	3	4-23	135	4	76
50	50	292	180/175	135	105	26	3	4-23	142	4	88
65	65	330	205/200	160	130	28	3	8-23	173	4	110
80	80	356	215/210	170	140	30	3	8-23	183	4	121
100	100	406	250	200	168	32	3	8-25	250	4.5	150
125	125	-	295	240	202	36	3	8-30	315	4.5	176
150	150	495	345/340	280	240	38	3	8-34	340	4.5	204
200	200	597	405	345	300	44	3	12-34	395	4.5	260

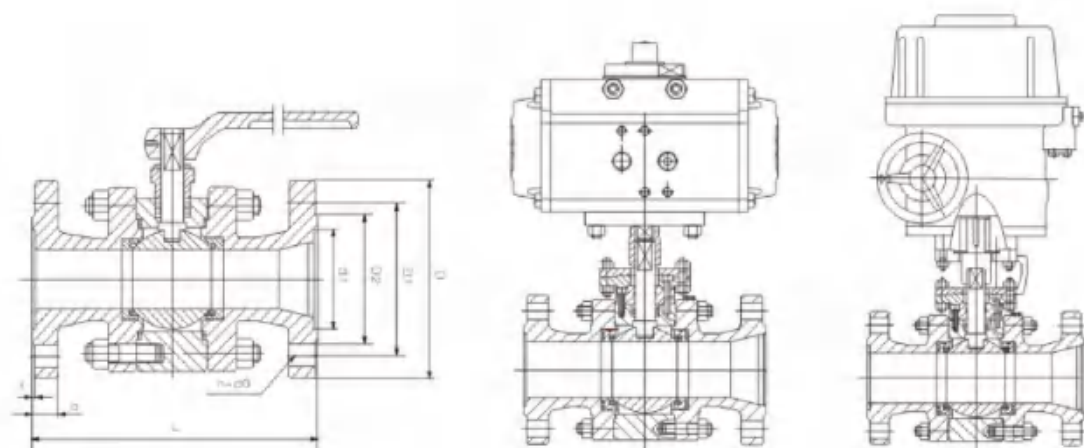
浮动式球阀-美标



主要外形尺寸 Main External Dimensions PN20~110/Class150~600

ANSI	NPS(in)	DN	L	d1	D	D1	D2	n-φ	f	b	H
PN 20 Class 150	1/2"	15	108	15	89	60.5	35	4-16	1.6	11.5	63
	3/4"	20	117	20	98	70	43	4-16	1.6	11.5	63
	1"	25	127	25	108	79.5	51	4-16	1.6	12	82
	1 1/4"	32	140	32	117	89	64	4-16	1.6	13	94
	1 1/2"	40	165	38	127	98.5	73	4-16	1.6	15	98
	2"	50	178	50	152	120.5	92	4-19	1.6	16	108
	2 1/2"	65	190	65	178	139.5	105	4-19	1.6	18	139.5
	3"	80	203	76	190	152.5	127	4-19	1.6	19	145
	4"	100	229	100	229	190.5	157	8-19	1.6	24	200
	5"	125	356	125	254	216	186	8-22	1.6	24	221
PN 50 Class 300	6"	150	394	150	279	241.5	216	8-22	1.6	26	256
	8"	200	457	200	343	298.5	270	8-22	1.6	29	334
	10"	250	533	250	406	362	324	12-25	1.6	31	490
	1/2"	15	140	15	95	66.5	35	4-16	1.6	15	63
	3/4"	20	152	20	117	82.5	43	4-19	1.6	16	63
	1"	25	165	25	124	89	51	4-19	1.6	18	82
	1 1/4"	32	178	32	133	98.5	64	4-19	1.6	19	94
	1 1/2"	40	190	38	156	114.5	73	4-22	1.6	21	98
	2"	50	216	50	165	127	92	8-19	1.6	23	108
	2 1/2"	65	241	65	190	149	105	8-22	1.6	26	139.5
PN 110 Class 600	3"	80	283	76	210	168.5	127	8-22	1.6	29	145
	4"	100	305	100	254	200	157	8-22	1.6	32	200
	5"	125	381	125	279	235	186	8-22	1.6	35	221
	6"	150	403	150	318	270	216	12-22	1.6	37	256
	8"	200	502	200	381	330	270	12-25	1.6	42	334
	1/2"	25	165	15	95	66.5	35	4-16	6.4	15	63
	3/4"	32	190	20	118	82.5	43	4-19	6.4	16	63
	1"	40	216	25	124	89	51	4-19	6.4	18	96
	1 1/4"	50	229	32	133	98.5	64	4-19	6.4	21	105
	1 1/2"	65	241	38	156	114.5	73	4-22	6.4	23	135
	2"	80	292	50	165	127	92	8-19	6.4	26	153
	2 1/2"	100	330	65	190	149	105	8-22	6.4	29	182
	3"	125	356	76	210	168	127	8-22	6.4	32	205
	4"	150	432	100	273	216	157	8-25	6.4	38	235

浮动式球阀-日标

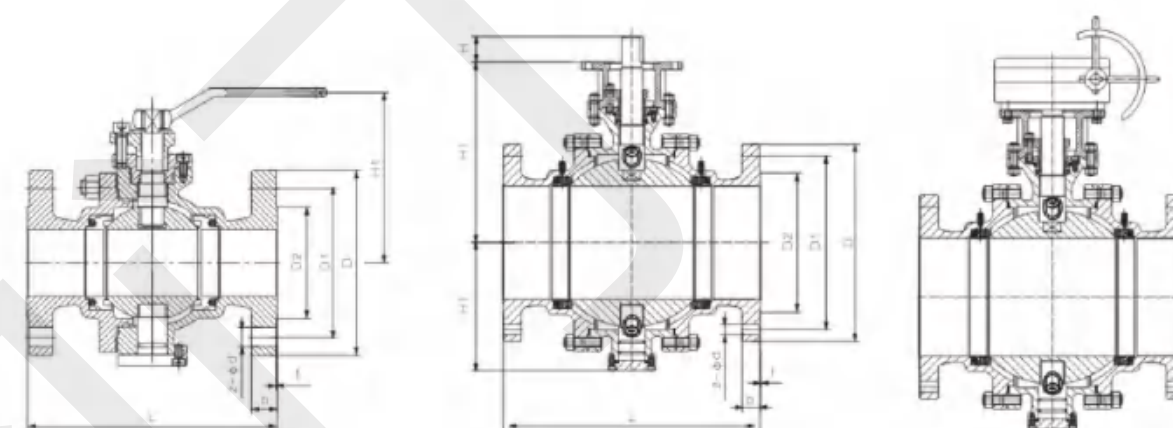


主要外形尺寸 Main External Dimensions

JIS10K-JIS20K

公称压力 Nominal pressure	公称通径 Nominal diameter DN	尺寸 Size (mm)							重量 Weight(kg)		
		L	d1	D	D1	D2	b	f	Z-d0	手动 Manual	涡轮 Gearbox
JIS 10K	15	108	14	95	70	51	12	1	4-15	3	-
	20	117	19	100	75	56	14	1	4-15	4	-
	25	127	25	125	90	67	14	1	4-19	5	-
	32	140	32	135	100	76	16	2	4-19	7	-
	40	165	38	140	105	81	16	2	4-19	8	-
	50	178	51	155	120	96	16	2	4-19	12	-
	65	190	64	175	140	116	18	2	4-19	18	-
	80	203	76	185	150	126	18	2	8-19	24	-
	100	229	102	210	175	151	18	2	8-19	38	53
	125	356	127	250	210	182	20	2	8-23	60	79
JIS 20K	150	394	152	280	240	212	22	2	8-23	82	102
	200	457	203	330	290	262	22	2	12-23	145	185
	250	533	254	400	355	324	24	2	12-25	-	280
	15	140	14	95	70	51	14	1	4-15	3	-
	20	152	19	100	75	56	16	1	4-15	5	-
	25	165	25	125	90	67	16	1	4-19	6	-
	32	178	32	135	100	78	18	2	4-19	8	-
	40	190	38	140	105	81	18	2	4-19	11	-
	50	216	51	155	120	96	18	2	8-19	15	-
	65	241	64	175	140	116	20	2	8-19	23	-
	80	283	76	200	160	132	22	2	8-23	33	52
	100	305	102	225	185	160	24	2	8-23	53	76
	125	381	127	270	225	195	26	2	8-25	82	124
	150	403	152	305	280	230	28	2	12-25	120	163
	200	503	203	350	305	275	30	2	12-25	212	267

固定式球阀-国标

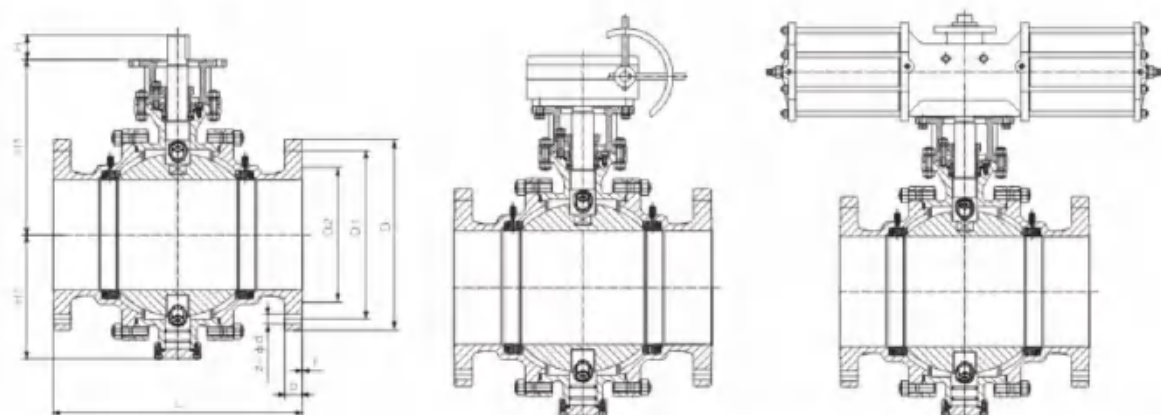


主要外形尺寸 Main External Dimensions

PN16

DN (mm)	L	D	D1	D2	b	f	Z-d	H	H1	H2
50	203	165	125	102	18	3	4-18	20	96	92
65	222	185	145	122	18	3	8-18	25	125	105
80	241	200	160	138	20	3	8-18	25	150	120
100	305	220	180	158	20	3	8-18	30	200	160
125	356	250	210	188	22	3	8-18	40	220	200
150	394	285	240	212	22	3	8-22	45	245	210
200	457	340	295	268	24	3	12-22	50	280	224
250	533	405	355	320	26	3	12-26	60	320	278
300	610	460	410	378	28	4	12-26	70	337	306
350	686	520	470	438	30	4	16-26	75	374	334
400	762	580	525	490	32	4	16-30	75	408	358
450	864	640	585	550	40	4	20-30	80	439	390
500	914	715	650	610	44	4	20-33	90	492	434
600	1067	840	770	725	54	5	20-36	105	588	523
700	1245	910	840	795	58	5	24-36	115	644	658
800	1372	1025	950	900	62	5	24-39	125	742	746
900	1524	1125	1050	1000	64	5	28-39	140	812	807
1000	1753	1255	1170	1115	68	5	28-42	150	900	898
1200	2134	1485	1390	1330	78	5	32-48	170	1097	1066
1400	2388	1685	1590	1530	84	5	36-48	200	1302	1253

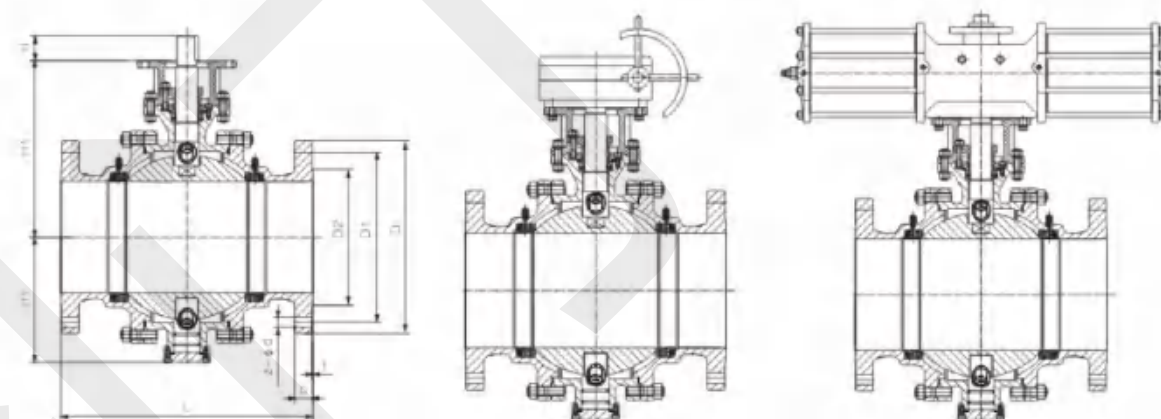
固定式球阀-国标



主要外形尺寸 Main External Dimensions PN25

DN (mm)	L	D	D1	D2	b	f	Z-d	H	H1	H2
50	216	165	125	102	20	3	4-18	20	96	92
65	241	185	145	122	22	3	8-18	25	125	105
80	283	200	160	138	24	3	8-18	25	150	120
100	305	235	190	158	24	3	8-22	30	200	160
125	381	270	220	188	26	3	8-26	40	220	200
150	403	300	250	218	28	3	8-26	45	245	210
200	502	360	310	278	30	3	12-26	50	280	224
250	568	425	370	335	32	3	12-30	60	320	278
300	648	485	430	395	34	4	16-30	70	337	306
350	762	555	490	450	38	4	16-33	75	374	334
400	838	620	550	505	40	4	16-36	75	408	358
450	914	670	600	555	46	4	20-36	80	439	390
500	991	730	660	615	48	4	20-36	90	492	434
600	1143	845	770	720	58	5	20-39	105	588	523
700	1346	960	875	820	60	5	24-42	115	644	658
800	1524	1085	990	930	66	5	24-48	125	742	746
900	1727	1185	1090	1030	70	5	28-48	140	812	807
1000	1930	1320	1210	1140	74	5	28-56	150	900	898
1200	2388	1530	1420	1350	86	5	32-56	170	1097	1066
1400	2642	1755	1640	1560	92	5	36-62	200	1302	1253

固定式球阀-国标



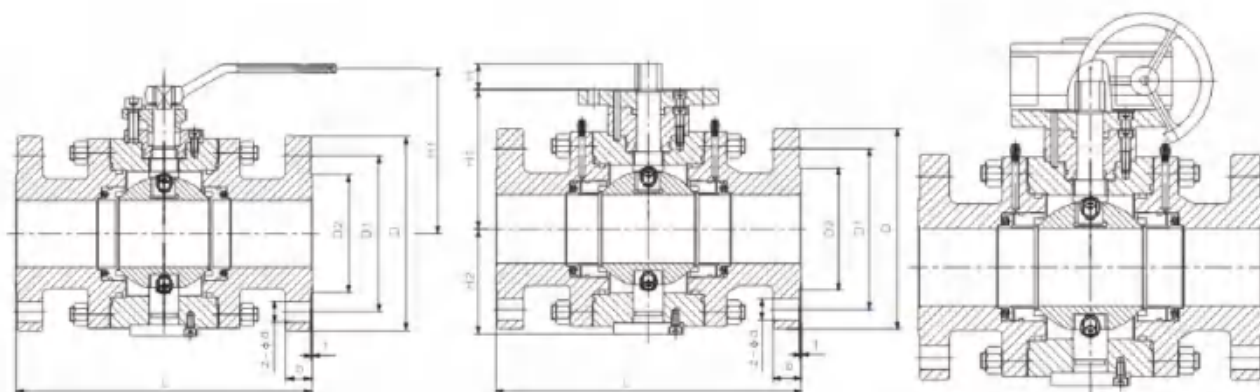
主要外形尺寸 Main External Dimensions PN40

DN (mm)	L	D	D1	D2	b	f	Z-d	H	H1	H2
50	216	165	125	102	20	3	4-18	25	100	95
65	241	185	145	122	22	3	8-18	25	125	105
80	283	200	160	138	24	3	8-18	30	150	120
100	305	235	190	158	24	3	8-22	40	200	160
125	381	270	220	188	26	3	8-26	45	220	200
150	403	300	250	218	28	3	8-26	50	245	210
200	502	375	320	285	34	3	12-30	65	275	230
250	568	450	385	345	38	3	12-33	75	330	295
300	648	515	450	410	42	4	16-33	85	355	330
350	762	580	510	465	46	4	16-36	90	390	345
400	838	660	585	535	50	4	16-39	90	430	390
450	914	685	610	560	57	4	20-39	100	455	410
500	991	755	670	615	57	4	20-42	115	500	465
600	1143	890	895	735	72	5	20-48	135	590	545

PN63

DN (mm)	L	D	D1	D2	b	f	Z-d	H	H1	H2
50	292	180	135	102	26	3	4-22	25	102	98
65	330	205	160	122	26	3	8-22	25	130	115
80	356	215	170	138	28	3	8-22	30	165	128
100	406	250	200	158	30	3	8-26	40	210	160
125	432	295	240	188	34	3	8-30	45	230	180
150	495	345	280	218	36	3	8-33	50	250	200
200	597	415	345	285	42	3	12-36	50	288	255
250	673	470	400	345	46	3	12-36	55	330	308
300	762	530	460	410	52	4	16-36	70	378	348
350	826	600	525	465	56	4	16-39	85	394	360
400	902	670	585	535	60	4	16-42	95	430	410

固定式球阀-国标



主要外形尺寸 Main External Dimensions

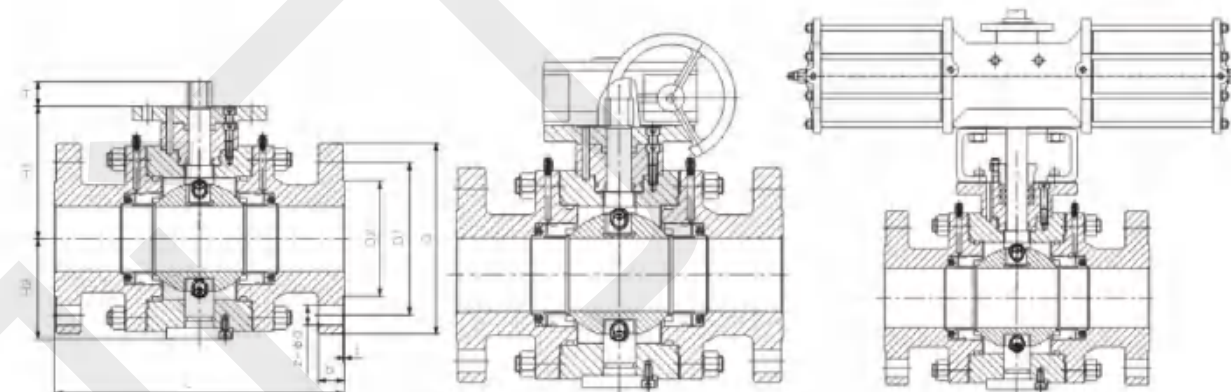
PN100

DN(mm)	L	D	D1	D2	b	f	Z-d	H	H1	H2
50	292	195	145	102	30	3	4-26	30	102	98
65	330	220	170	122	34	3	8-26	35	130	115
80	356	230	180	138	36	3	8-26	40	165	128
100	432	265	210	158	40	3	8-30	45	210	160
125	508	315	250	188	40	3	8-33	50	230	180
150	559	355	290	218	44	3	12-33	55	250	200
200	660	430	360	285	52	3	12-36	70	288	255
250	787	505	430	345	60	3	12-39	85	330	308
300	838	585	500	410	68	4	16-42	95	378	348
350	889	655	560	465	74	4	16-48	110	394	360

PN160

DN(mm)	L	D	D1	D2	b	f	Z-d	H	H1	H2
50	368	195	145	102	30	3	4-26	40	104	103
65	419	220	170	122	34	3	8-26	40	135	115
80	381	230	180	138	36	3	8-26	45	163	132
100	457	265	210	158	40	3	8-30	50	211	169
125	559	315	250	188	44	3	8-33	6	235	185
150	610	355	290	218	50	3	12-33	70	259	213
200	737	430	360	285	60	3	12-36	95	297	264
250	838	515	430	345	68	3	12-42	95	342	333
300	965	585	500	410	78	4	16-42	110	384	379

固定式球阀-国标



主要外形尺寸 Main External Dimensions

PN250

DN(mm)	L	D	D1	D2	b	f	Z-d	H	H1	H2
50	368	200	150	102	38	3	8-26	40	106	104
65	419	230	180	122	42	3	8-26	45	135	115
80	470	255	200	138	46	3	8-30	50	167	128
100	546	300	235	158	54	3	8-33	65	179	170
125	673	340	275	188	60	3	12-33	70	210	203
150	705	390	320	218	68	3	12-36	80	260	233
200	832	485	400	285	82	3	12-42	105	304	290
250	991	585	490	345	100	3	16-48	130	363	352
300	1130	690	590	410	120	4	16-52	145	417	425

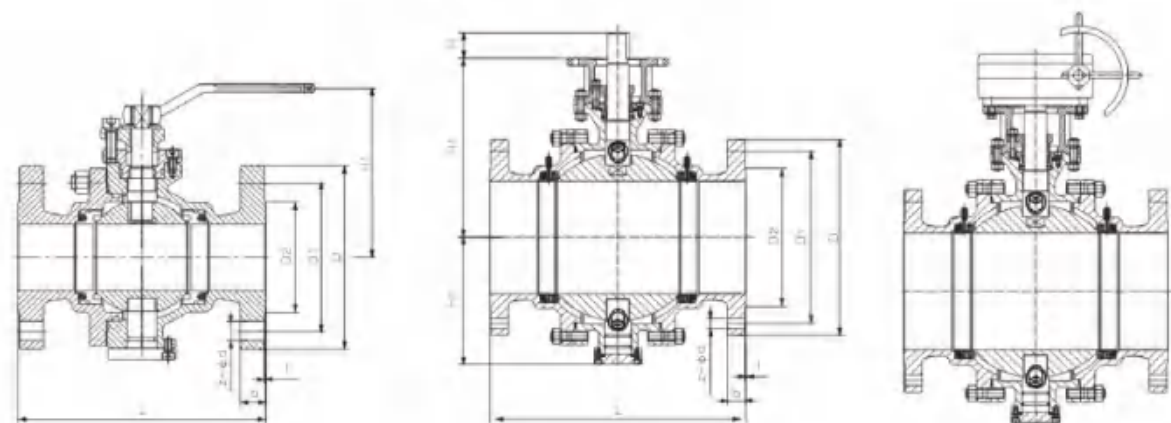
PN320

DN(mm)	L	D	D1	D2	b	f	Z-d	H	H1	H2
50	451	210	160	102	42	3	8-26	45	120	127
65	508	255	200	122	51	3	8-30	50	145	153
80	578	275	220	138	55	3	8-30	60	177	198
100	673	335	265	158	65	3	8-36	75	227	233
125	-	380	310	188	75	3	12-36	85	245	245
150	914	425	350	218	84	3	12-39	105	264	252
200	1022	525	440	285	103	3	16-42	130	383	339
250	1270	640	540	345	125	3	16-52	155	453	422

PN400

DN(mm)	L	D	D1	D2	b	f	Z-d	H	H1	H2
50	451	235	180	102	52	3	8-30	45	120	127
65	508	290	225	122	64	3	8-33	50	145	153
80	578	305	240	138	68	3	8-33	60	177	198
100	673	370	295	158	80	3	8-39	75	227	233
125	-	415	340	188	92	3	12-39	85	245	245
150	914	475	390	218	105	3	12-42	105	264	252
200	1022	585	490	285	130	3	16-48	130	383	339

固定式球阀-美标

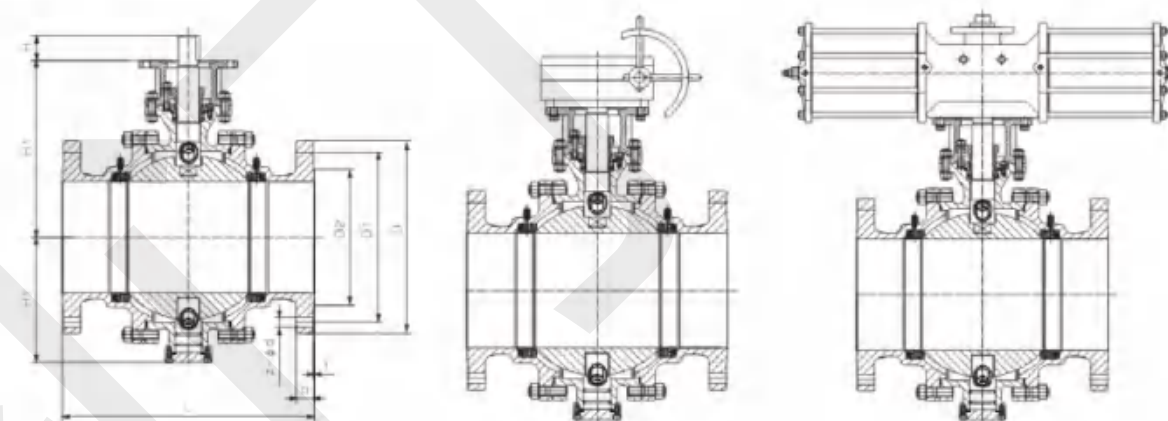


主要外形尺寸 Main External Dimensions

PN20/Class150

DN(mm)	NPS(in)	L	D	D1	D2	b	f	Z-d	H	H1	H2
50	2	178	150	120.7	92.1	14.3	2	4-19	20	96	92
65	2 1/2	191	180	139.7	104.8	15.9	2	4-19	25	125	105
80	3	203	190	152.4	127.0	17.5	2	4-19	25	150	120
100	4	229	230	190.5	157.2	22.3	2	8-19	30	200	160
125	5	356	255	215.9	185.7	22.3	2	8-22	40	220	200
150	6	394	280	241.3	215.9	23.9	2	8-22	45	245	210
200	8	457	345	298.5	269.9	27.0	2	8-22	50	280	224
250	10	533	405	362.0	323.8	28.6	2	12-26	60	320	278
300	12	610	485	431.8	381.0	30.2	2	12-26	70	337	306
350	14	686	535	476.3	412.8	33.4	2	12-29	75	374	334
400	16	762	595	539.8	469.9	35.0	2	16-29	75	408	358
450	18	864	635	577.9	533.4	38.1	2	16-32	80	439	390
500	20	914	700	635.0	584.2	41.3	2	20-32	90	492	434
600	24	1067	815	749.3	692.2	46.1	2	20-35	105	588	523
650	26	1143	870	806.4	749	66.7	2	24-35	110	627	564
700	28	1245	925	863.6	800	69.9	2	28-35	115	644	658
750	30	1295	985	914.4	857	73.1	2	28-35	120	691	704
800	32	1372	1060	977.9	914	79.4	2	28-41	125	742	746
850	34	1473	1110	1028.7	965	81.0	2	32-41	135	759	773
900	36	1524	1170	1085.8	1022	88.9	2	32-41	140	812	807
1000	40	1753	1290	1200.2	1124	88.9	2	36-41	150	900	898
1050	42	1855	1345	1257.3	1194	95.3	2	36-41	160	943	937
1200	48	2134	1510	1422.4	1359	106.4	2	44-41	170	1097	1066
1350	54	2325	1685	1593.8	1511	119.1	2	44-48	185	1150	1120
1400	56	2388	1745	1651	1575	122.3	2	48-48	200	1302	1253
1500	60	2540	1855	1759	1676	130.2	2	52-48	220	1350	1300

固定式球阀-美标

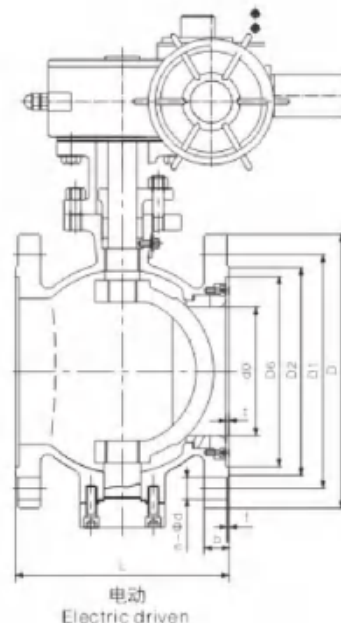
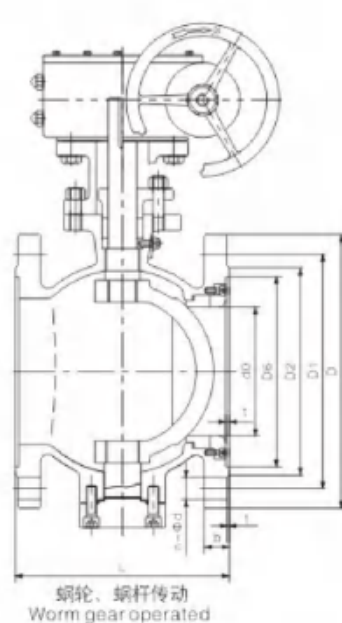


主要外形尺寸 Main External Dimensions

PN50/Class300

DN(mm)	NPS(in)	L	D	D1	D2	b	f	Z-d	H	H1	H2
50	2	216	165	127.0	92.1	20.7	2	8-19	25	100	95
65	2 1/2	241	190	149.2	104.8	23.9	2	8-22	25	125	105
80	3	283	210	168.3	127.0	27.0	2	8-22	30	150	120
100	4	305	255	200.0	157.2	30.2	2	8-22	40	200	160
125	5	381	280	235.0	185.7	33.4	2	8-22	45	220	200
150	6	403	320	269.9	215.9	35	2	12-22	50	245	210
200	8	502	380	330.2	269.9	39.7	2	12-26	65	275	230
250	10	568	445	387.4	323.8	46.1	2	16-29	75	330	295
300	12	648	520	450.8	381.0	49.3	2	16-32	85	355	330
350	14	762	585	514.4	412.8	52.4	2	20-32	90	390	345
400	16	838	650	571.5	469.9	55.6	2	20-35	90	430	390
450	18	914	710	628.6	533.4	58.8	2	24-35	100	455	410
500	20	991	775	685.8	584.2	62.0	2	24-35	115	500	465
600	24	1143	915	812.8	692.2	68.3	2	24-42	135	590	545
650	26	1245	970	876.3	749	77.8	2	28-45	145	630	580
700	28	1346	1035	939.8	800	84.2	2	28-45	150	640	665
750	30	1397	1090	997.0	857	90.5	2	28-48	155	700	730
800	32	1524	1150	1054.1	914	96.9	2	28-51	160	745	765
850	34	1626	1205	1104.9	965	100.1	2	32-51	175	760	800
900	36	1727	1270	1168.4	1022	103.2	2	32-54	190	805	825
1000	40	1930	1240	1155.7	1086	124.0	2	32-45	210	90	920
1050	42	2032	1290	1206.5	1137	129.0	2	32-45	215	968	950
1200	48	2388	1465	1372	1302	146.5	2	32-51	235	1100	1100
1350	54	2578	1660	1549	1467	166.0	2	28-60	250	1225	1210
1400	56	2642	1710	1600	1518	171.0	2	28-60	275	1285	1270
1500	60	2946	1810	1702	1626	181.0	2	32-60	290	1350	1310

偏心半球阀-国标



主要外形尺寸Main External Dimensions

PN0.6MPa

DN	L	D	D1	D2	f	b	n-Φd
50	178	140	110	90	3	16	4-14
65	190	160	130	110	3	16	4-14
80	203	185	150	125	3	18	4-18
100	229	205	170	145	3	18	4-18
125	254	235	200	175	3	20	8-18
150	267	260	225	200	3	20	8-18
200	292	315	280	255	3	22	8-18
250	330	370	335	310	3	24	12-18
300	502	435	395	362	4	24	12-23
350	575	485	445	412	4	26	12-23
400	610	535	495	462	4	28	16-23
450	660	590	550	518	4	28	16-23
500	711	640	600	568	4	30	16-23
600	787	755	705	670	5	30	20-26
700	990	860	810	775	5	32	24-26
800	1000	975	920	880	5	32	24-30

偏心半球阀-国标

主要外形尺寸Main External Dimensions

PN1.0MPa

PN1.6MPa

DN	L	D	D1	D2	f	b	n-Φd	DN	L	D	D1	D2	f	b	n-Φd
50	178	160	125	100	3	18	4-18	50	178	160	125	100	3	16	4-18
65	190	180	145	120	3	20	4-18	65	190	180	145	120	3	18	4-18
80	203	195	160	135	3	20	4-18	80	203	195	160	135	3	20	8-18
100	229	215	180	155	3	22	8-18	100	229	215	180	155	3	20	8-18
125	254	245	210	185	3	24	8-18	125	254	248	210	185	3	22	8-18
150	267	280	240	210	3	24	8-23	150	267	280	240	210	3	24	8-23
200	292	335	295	265	3	24	8-23	200	267	335	295	265	3	26	12-23
250	330	390	350	320	3	26	12-23	250	292	405	355	320	3	30	12-26
300	502	440	400	368	4	28	12-23	300	330	460	410	375	4	30	12-26
350	572	500	460	428	4	28	16-23	350	502	520	470	435	4	34	16-26
400	610	565	515	482	4	30	16-26	400	572	580	525	485	4	36	16-30
450	660	615	565	532	4	30	20-26	450	610	640	585	545	4	40	20-30
500	711	670	620	585	4	32	20-26	500	660	705	650	608	5	44	20-34
600	787	780	725	685	5	36	20-30	600	711	840	770	718	5	48	20-41
700	900	895	840	800	5	38	24-30	700	787	910	840	788	5	50	24-41
800	1000	1010	950	905	5	42	24-34	800	900	1020	950	898	5	52	24-41

PN2.5MPa

PN4.0MPa

DN	L	D	D1	D2	f	b	n-Φd
50	178	160	125	100	3	20	4-18
65	190	180	145	120	3	22	8-18
80	203	195	160	135	3	22	8-18
100	229	230	190	160	3	24	8-23
125	254	270	220	188	3	28	8-26
150	267	300	250	218	3	30	8-26
200	292	360	310	278	3	34	12-26
250	330	425	370	332	3	36	12-30
300	502	485	430	390	4	40	16-30
350	572	550	490	448	4	44	16-34
400	610	610	550	505	4	48	16-34
450	660	660	600	555	4	50	20-34
500	711	730	660	610	4	52	20-41
600	787	840	770	718	5	56	20-41
700	900	955	875	815	5	60	24-48
800	1000	1070	990	930	5	64	24-48
900	1100	1180	1090	1025	5	66	28-48
1000	1200	1305	1210	1140	5	68	28-58

DN	L	D	D1	D2	D6	f	t	b	n-Φd
50	178	160	125	100	88	3	4	20	4-18
65	190	180	145	120	110	3	4	22	8-18
80	203	195	160	135	121	3	4	22	8-18
100	229	230	190	160	150	3	4.5	24	8-23
125	254	270	220	188	176	3	4.5	28	8-26
150	267	330	250	218	204	3	4.5	30	8-26
200	292	375	320	282	260	3	4.5	38	12-30
250	330	445	385	345	313	3	4.5	42	12-34
300	502	510	450	405	364	4	4.5	46	16-34
350	572	570	510	465	422	4	5	52	16-34
400	610	655	585	535	474	4	5	58	16-41
450	660	680	610	560	524	4	5	60	20-41
500	711	755	670	612	576	4	5	62	20-48
600	787	890	795	730	678	5	6	62	20-54
700	900	995	900	835	768	5	6	68	24-54
800	1000	1135	1030	960	876	5	6	76	24-58

V型球阀-国标

用途 Service

V型球阀是一种直角回转的高级控制阀，其主要作调节阀使用，也可作开关阀使用。V型阀芯设计成带有特殊形状的V型缺口，所以具有很大的剪切力及自洁功能，尤其适用于含纤维或有微小固体颗粒状的介质的控制。因此本产品广泛用于造纸、化工、石油、化纤、电力、冶金、制药、环保等工业部门的自控系统。

Segment ball is quarter turn control valve mainly recommended for throttle service, but it is also applicable for shut off service. Segment ball is in V-notch design with strong cutting force and self-cleanness, especially suitable for control of medium containing fibre and tiny solids. Therefore it is widely used in the control systems in industries such as pulp and paper, petrochemistry, petroleum, chemical fibre, power, metallurgy, pharmacy, environmental protection etc.

特点 Features

可移动密封阀座 Spring Loaded Valve Seat

V型阀密封座采用预紧力弹簧，使密封座始终与阀芯保持，密封性能好，可在长期使用中密封副磨损起自动补偿作用，使用寿命长。另可对不同介质、不同温度，提供PTFE阀座（软阀座）和可动金属阀座。

Pre-tightened spring loaded seat to keep valve seat and ball in constant close contact, therefore, good sealing performance is assured even at a low differential pressure with greatly extended service life. PTFE soft seat and metal seat are available for different application requirements.

阀芯和自动滑轴承 V-notch Ball And Bearings

V型球阀阀芯设计成带有特殊形状的V型缺口，使阀门具有近似等百分比的流量特性。该设计使用阀门在具有精确的控制性能的前提下并具有很大的剪切力及自洁功能。

V行球阀阀芯采用上下阀杆双轴承固定，稳定性好，轴承材料采用复合材料，其转动轴承表面采用烧结处理，具有超强的耐磨性能，且有自润滑功能，因而避免了阀门在长期使用中咬死现象。

Speciality designed V-notch ball provides equal percentage flow characteristic with high precision control performance as well as strong cutting force and self-cleanness function. Upper and lower shaft are fixed by bearings with good stability. Bearings are in composite material, loaded surfaces of which are sintered with superior abrasion resistant and self-lubricating function, which prevents valve seizing up during service life.

公称通径DN: 25, 32, 40, 50, 65, 80, 100, 125, 150, 200, 250, 300, 350, 400, 450, 500, 600

公称压力PN: 1.0, 1.6, 2.5, 4.0, 6.4(MPa)或ANSI 150LB, 300LB

连接形式: DN25-DN250 (对夹式), DN25-DN800 (法兰式)

温度范围℃: -20~160℃ (常温), -20~230℃ (中温), -20~425℃ (高温)

压力试验: 阀体水压测试压力为最大工作压力的1.5倍, 密封测试压力为最大工作压力1.1倍, 测试介质为水。

泄漏量: V型球阀泄漏量应满足下表中规定, 这一标准值相当于美标ANSI/FCL 70.2 Class IV级的1/50。

Nominal Diameter(mm): 25, 32, 40, 50, 65, 80, 100, 125, 150, 200, 250, 300, 350, 400, 450, 500, 600

Nominal Pressure rating: 1.0, 1.6, 2.5, 4.0, 6.4(MPa) ANSI 150LB, 300LB

Connection Type: Water connection for DN25-250 flanged connection for DN25-800

Working temperature: -20~160℃(Normal Temp.), -20~230℃(Medium Temp.), -20~425℃(High Temp.)

Pressure test: Each Linu valve undergoes hydraulic test with 1.5X pressure rating as shell test pressure and 1.0X pressure rating as tightness test pressure. Testing medium is water.

Leakage: Segment ball valve with maximum allowable leakage as following, equal to 2% of maximum leakage of ANSI/FCL 70.2 Class IV.

一体式阀体 One-Piece Valve Body

V型阀采用一体式设计，这样避免了阀体因采用法兰连接而造成的泄漏。One-piece valve body prevents potential leakage path caused by separate flange.

花键连接 Spline Connection Between Shaft And Ball

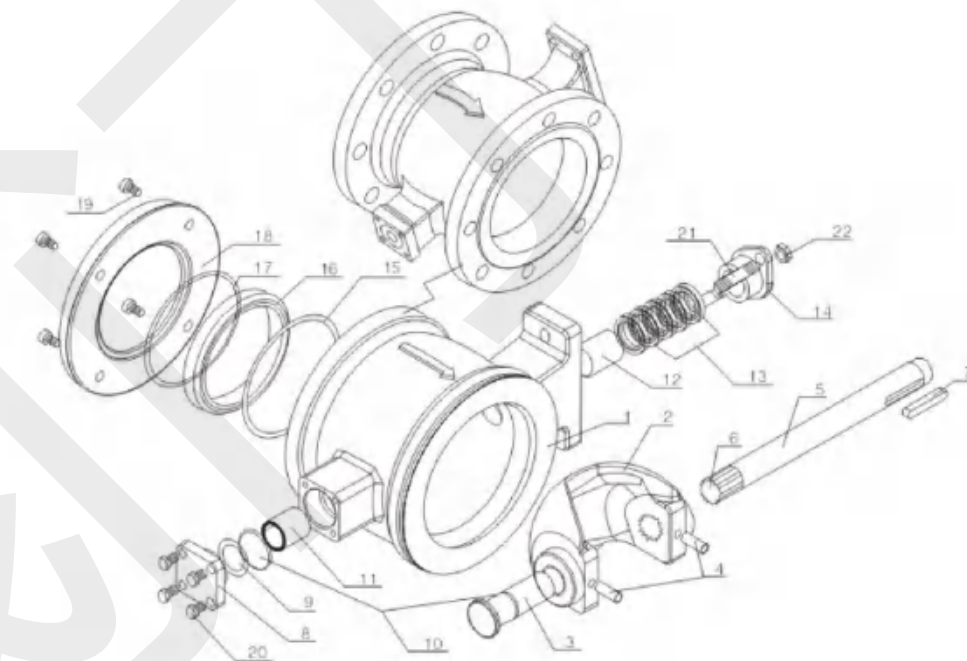
阀杆与阀芯之间采用花键连接，具有对中性好，承载扭矩大，使用寿命长。采用花键连接配合有效消除了阀杆和阀芯之间的配合间隙，避免了死区的产生提高了阀门调节精度。

Ball and shaft are connected by spline which well keeps shaft to neutral position with large load bearing capacity and long service life. It also provides a seamless match ball with shaft and the dead band phenomenon is prevented with enhanced control precision.

小流量控制 Low Capacity

公称直径为25mm的球阀可以按用户的流量要求，提供多种不同的小QV值，可精确的控制微小流量，特别适用于各种微小流量的控制。抗管道口径为DN20或DN15时需配置非标法兰。

For super-low flow applications, low capacity valves are available with DN25. For precise control, Non-standard flanges are needed for connection with DN20 and DN15 pipe.



零件清单 Parts list

序号 No.	名称 Name	数量(件) Quantity (Pcs)	材料 Material
1	阀体 Body	1	WCB, CF8, CF8M
2	阀芯 Ball	1	CF8, CF8M+ 钨钨或堆焊斯太莱 CF8 CF8M hard chromium plating or stellite surfacing
3	后阀杆 Lower shaft	1	17-4PH, SS316
4	圆柱销 Cylindrical pin	2	SS304, SS316
5	前阀杆 Upper shaft	1	17-4PH, SS316
6	花键 Spline	1	17-4PH, SS316
7	平键 Flat key	1	SS304, 45#
8	后压盖 Blind flange	1	CF8, CF8M
9	O型圈 O-ring	1	氟橡胶 Viton
10	调整垫 Gasket	各1/each	PTFE
11	自润滑轴承 Self-lubricating bearing	1	复合材料 Composite material

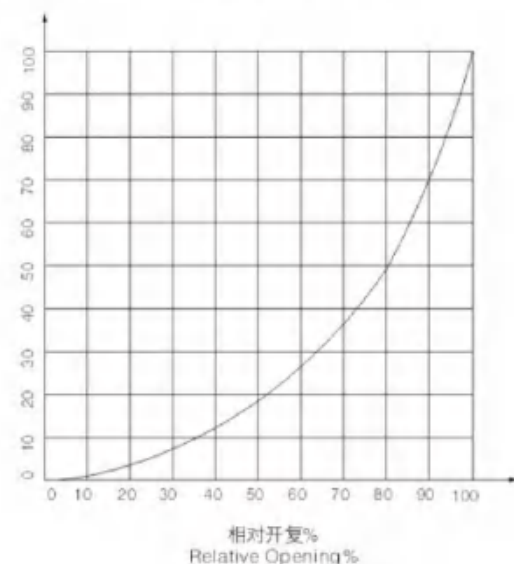
序号 No.	名称 Name	数量(件) Quantity (Pcs)	材料 Material
12	自润滑轴承 Self-lubricating bearing	1	复合材料 Composite material
13	填料 Packing	1组/group	PTFE
14	填料压盖 Gland	1	CF8
15	O型圈 O-ring	1	氟橡胶 Viton
16	密封圈 Seat	1	CF8, CF8M+ 钨钨或堆焊斯太莱 CF8 CF8M hard chromium plating or stellite surfacing
17	密封座弹簧 Wavy spring	1	SS316
18	密封压盖 Retainer	1	Q235, SS304, SS316
19	内六角螺钉 Socket head screw	4	SS304
20	六角螺钉 Hexagon screw	2	SS304
21	双头螺钉 Stud	2	SS304
22	六角螺母 Hexagon nut	2	SS304

V型球阀-国标

最大允许泄漏量 Maximum allowable leakage

DN	金属阀座 Metal-seated	软阀座 PTFE-seated
25	2.0ml/min	0.20ml/min
32	2.4ml/min	0.24ml/min
40	3.0ml/min	0.30ml/min
50	3.8ml/min	0.38ml/min
65	5.2ml/min	0.52ml/min
80	6.2ml/min	0.62ml/min
100	7.6ml/min	0.76ml/min
125	9.6ml/min	0.96ml/min
150	12.0ml/min	1.20ml/min
200	15.4ml/min	1.54ml/min
250	19.2ml/min	1.92ml/min
300	24.0ml/min	2.40ml/min
350	30.0ml/min	3.00ml/min
400	34.0ml/min	3.40ml/min

V型调节阀固有的流量特性为近似等百分比特性。如图所示。
Equal percentage inherent flow characteristic. As shown in the figure.

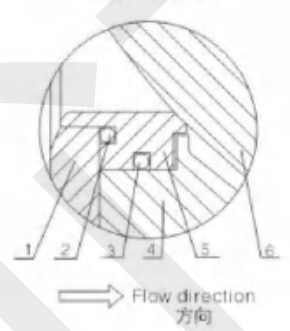
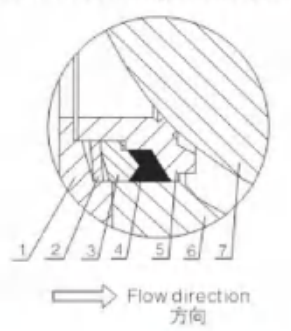


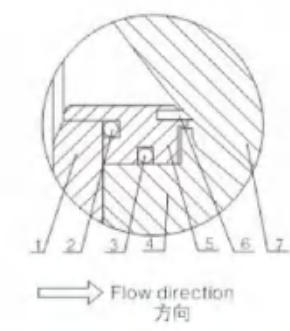
最大允许压差及最大额定Cv值 Maximum allowable differential pressure and rated Cv

DN	对夹式 Wafer connection		法兰式 Flanged connection		额定Cv值 Rated Cv
	最大关闭压差 Max. shut off dp (bar)	最大控制压差 Max. control dp (bar)	最大关闭压差 Max. shut off dp (bar)	最大控制压差 Max. control dp (bar)	
25	50	35	40	35	27
32	50	35	40	35	47
40	50	35	40	35	70
50	50	35	40	35	110
65	50	35	40	35	170
80	50	35	40	35	180
100	40	25	40	25	410
125	40	25	40	25	750
150	40	25	40	25	980
200	35	25	35	25	1720
250	35	20	35	20	2900
300			30	10	3800
350			30	10	7000
400			30	10	9800
450			30	10	12000
500			30	10	23000

V型球阀-国标

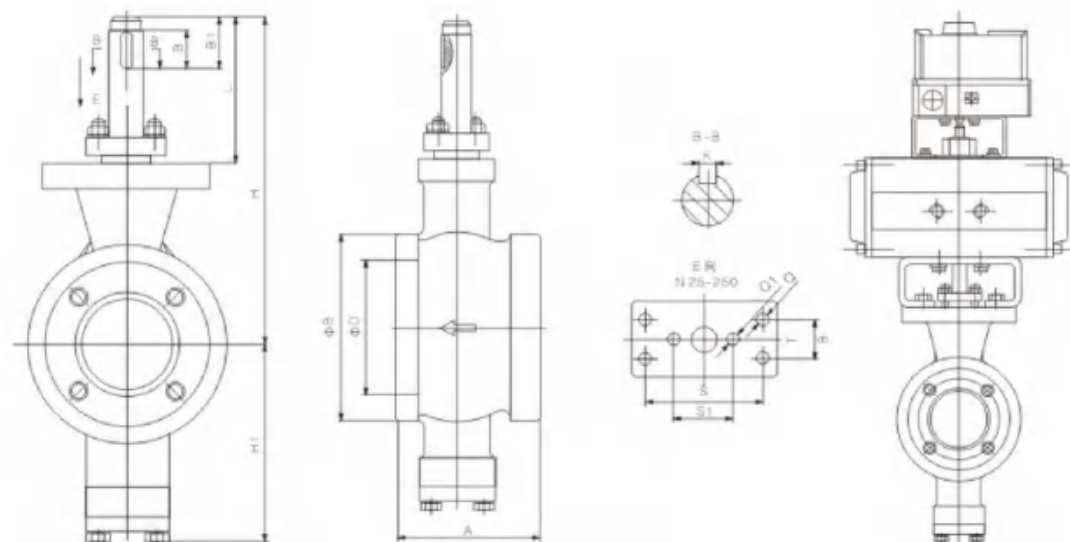
V型球阀各种密封结构 Three Different Seal Constructions

金属密封阀座 Metal-seated			高温型结构 Metal-seated for high temp. application		
					
序号 NO.	名称 Name	温度范围℃ Temp. Range	序号 NO.	名称 Name	温度范围℃ Temp. Range
1	密封座盖 Retainer		1	密封座盖 Retainer	
2	弹簧 Spring		2	蝶簧 Bellevill spring	
3	O型圈 O-ring		3	压圈 Plunger ring	
4	阀体 Valve-body	-20~160	4	石墨环 Graphite ring	-20~425
5	密封座 Metal seat	-20~230	5	阀座 Metal seat	
6	阀芯 Ball		6	阀体 Body	
			7	阀芯 Ball	

软阀座 PTFE-seated		
		
序号 NO.	名称 Name	温度范围℃ Temp. Range
1	密封座盖 Retainer	
2	弹簧 Spring	
3	O型圈 O-ring	
4	阀体 Body	-20~160
5	密封座 Metal seat	
6	密封圈 PTFE	
7	阀芯 Ball	



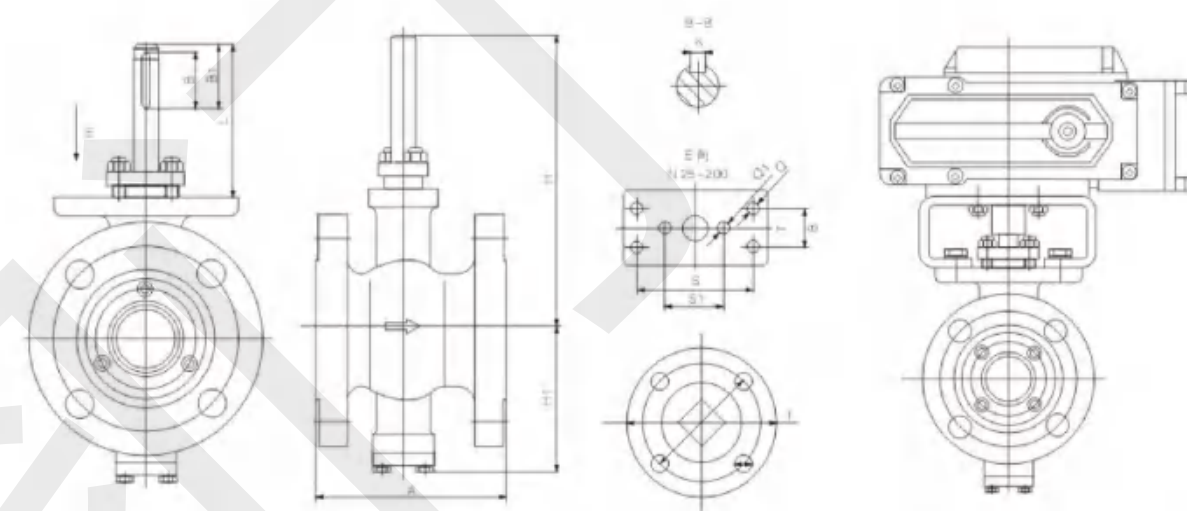
V型球阀-对夹式连接



对夹式V型球阀尺寸 Dimensions of Wafer Type Connection Valve

DN mm	外形尺寸 Outline Dimensions(mm)						连接尺寸 Connection Dimensions(mm)							
	A	H	L	H1	ΦD	ΦB	Q1	B1	B	K	S1	S	Q	T
25	50	190	115	87	38	64	M8x2	45	32	5	50	63	M8x4	95
32	60	197	117	87	42	78	M10x2	45	35	5	65	76	M8x4	100
40	60	200	115	87	50	82	M10x2	45	35	5	65	76	M8x4	100
50	75	200	115	97	60	100	M10x2	45	35	5	65	76	M8x4	100
65	85	220	110	112	75	120	M12x2	50	36	5	75	79	M8x4	100
80	100	239	124	112	94	130	M12x2	50	41	6	75	94	M8x4	120
100	115	252	122	122	110	158	M12x2	55	42	6	80	95	M10x4	125
125	135	262	123	142	135	180	M14x2	55	53	8	90	108	M10x4	130
150	160	307	128	165	165	216	M16x2	65	56	10	95	112	M12x4	140
200	200	330	130	195	210	268	M16x2	65	55	10	100	120	M12x4	150
250	240	380	145	237	260	325	M16x2	75	55	12	100	120	M12x4	150

V型球阀-法兰式连接



法兰式V型球阀尺寸 Dimensions of Flanged Type Connection Valve

DN mm	外形尺寸 Outline Dimensions(mm)				连接尺寸 Connection Dimensions(mm)								
	A	H	L	H1	Q1	B1	B	K	S1	S	Q	T	
25	102	190	115	87	M8x2	45	32	5	50	63	M8x4	95	
32	102	197	117	87	M8x2	45	32	5	50	63	M8x4	95	
40	114	200	115	87	M10x2	45	35	5	65	76	M8x4	100	
50	124	200	115	97	M10x2	45	35	5	65	76	M8x4	100	
65	145	220	110	112	M12x2	45	36	5	75	79	M8x4	100	
80	165	239	124	112	M12x2	45	41	6	75	94	M8x4	120	
100	194	252	122	122	M12x2	45	42	6	80	95	M10x4	125	
125	213	262	123	142	M14x2	45	53	8	90	108	M10x4	130	
150	229	307	128	165	M16x2	55	56	10	95	112	M12x4	150	
200	243	330	130	195	M16x2	65	55	10	100	120	M12x4	150	
250	297	380	145	237	M16x4	75	/	12	/	155	M16x4	180	
300	338	432	153	281	M16x4	80	/	12	/	170	M16x4	200	
350	400	545	199	338	M16x4	80	/	16	/	190	M16x4	220	
400	400	660	264	390	M16x4	105	/	18	/	190	M16x4	220	
450	432	700	262	422	M16x4	105	/	20	/	210	M16x4	250	
500	520	770	260	510	M16x4	105	/	22	/	213	M16x4	250	

三通球阀

球阀功能

三通球阀适用于在-46℃~+200℃温度下对腐蚀性或非腐蚀性液体、气体、粉末介质实现切换、混合和分流；开闭过程中，流路畅通减小了压力损失，操作省力，维修方便；五种流向（见右图：L型一种，T型四种）类型满足不同工艺要求，可进行手、气动、电动控制。

结构特点

- 1、阀座可设计成四面座浮动球和固定球，流态稳定，密封可靠；
- 2、结构可设计成侧装式和顶装式，双向密封设计；流向切换绝无串流；
- 3、防飞出阀杆设计；
- 4、防静电设计；
- 5、两位（开和关位置）锁定设计。

Ball Valve Purpose

Three way ball valves are used to switch, mix and divide the flow of corrosive or non-corrosive liquid, gas or power mediums -46℃ ~ +200℃. Upon opening and closing, the smooth flow channel effects less pressure loss, making operation quite labor-saving and maintenance fairly easy. The five types of flow direction (figure on the right, 1 for L-shaped and 4 for T-shaped) meet different technological requirements. It can be hand, pneumatic and electrically operated.

Structural Characteristics

1. Valve seat can be designed into four-side floating ball and trunnion ball, with smooth fluid state and reliable seal;
2. The structure may be designed into side installed type and top installed type, with two way seal, no series flow upon switch of flow direction;
3. Blow out proof design of valve stem;
4. Antistatic design;
5. Two position (ON and OFF) lockup design.

技术规范 Technical Specifications

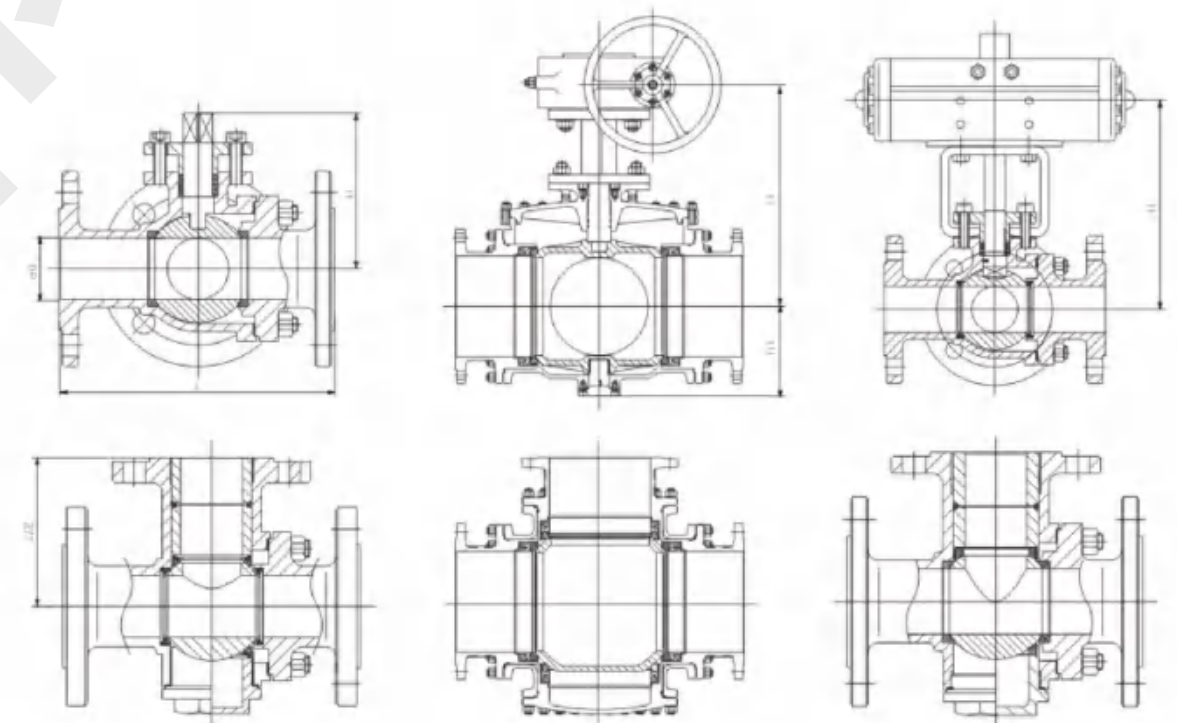
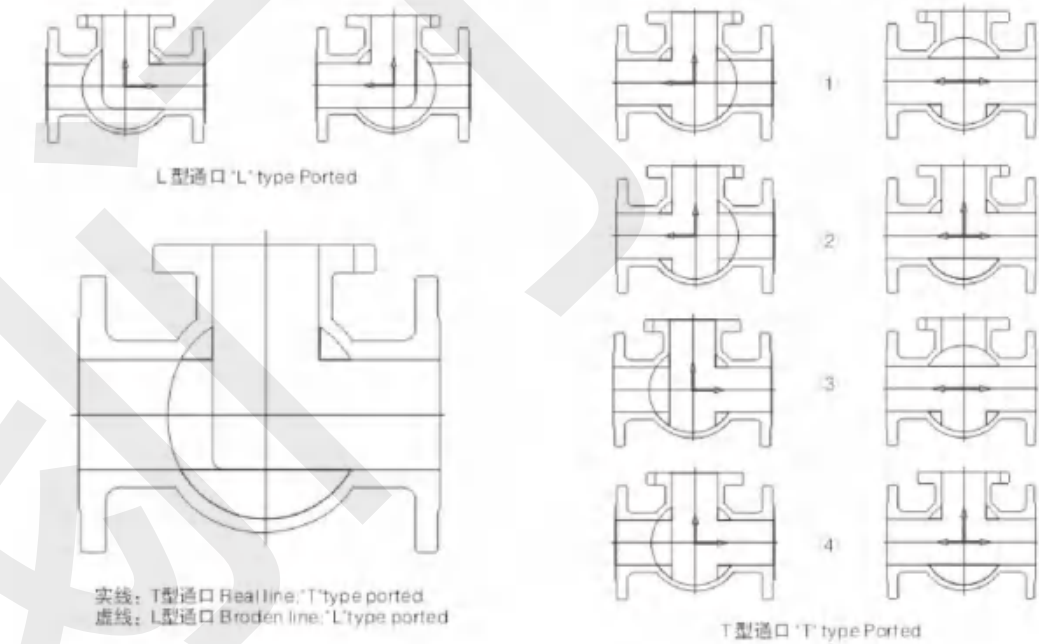
设计标准 Design Standard	GB/T12237
结构长度 Face to Face Dimension	GB/T12221
法兰尺寸 Flanged End Dimension	GB/T9113
试验和检验 Test and Inspection	JB/T9092

主要零件与材质 Main Parts and Materials

零件名称 Part Name	材料 Material
阀体 Body	铸钢, 铸不锈钢 Cast steel, Cast stainless steel
阀盖 Bonnet	铸钢, 铸不锈钢 Cast steel, Cast stainless steel
阀杆 Stem	马氏体不锈钢, 奥氏体不锈钢 Martensitic stainless steel, Austenitic stainless steel
球体 Ball	马氏体不锈钢, 奥氏体不锈钢 Martensitic stainless steel, Austenitic stainless steel
密封圈 Seal ring	增强聚四氟乙烯, 碳纤维, 聚醚醚酮 Reinforced PTFE, Carbon fibre, PEEK

三通球阀

三通球阀介质流通示意图 Diagram Of Medium Circulation Of The Three Ways Bal Valve



三通球阀

主要外形尺寸 Main External Dimensions

PN16/PN20/Class150

DN	NPS	L	d0	H	H1	重量 Weight (kg)
15	1/2	140	13	90	70	3
20	3/4	150	15	106	86	4
25	1	160	25	109	88	6
32	1 1/4	--	32	125	106	10
40	1 1/2	210	38	149	132	14
50	2	220	51	154	137	20
65	1 1/2	250	64	189	162	25
80	3	260	76	198	170	32
100	4	330	102	254	229	45
125	5	430	127	273	247	--
150	6	510	152	--	--	--
200	8	580	203	--	--	--
250	10	670	250	--	--	--

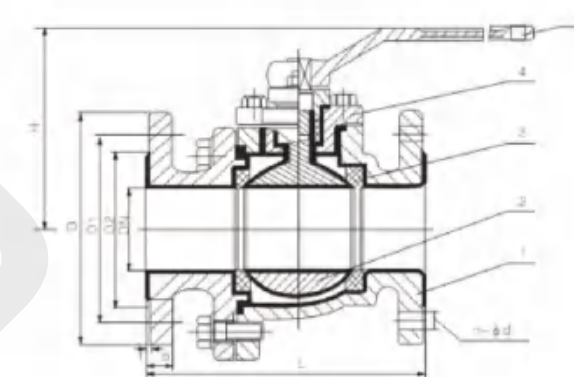
PN25/PN40/PN50/Class300

DN	NPS	L	d0	H	H1	重量 Weight (kg)	
						PN2.5MPa	PN4.0MPa
15	1/2	140	13	90	70	3	3
20	3/4	150	15	106	86	4	4
25	1	160	25	109	88	6.5	6.5
32	1 1/4	--	32	125	106	11	11
40	1 1/2	210	38	149	132	15	15
50	2	220	51	154	137	21.5	21.5
65	1 1/2	250	64	189	162	--	--
80	3	260	76	198	170	35	35
100	4	330	102	254	229	49	49
125	5	430	127	273	247	--	--
150	6	510	152	--	--	--	--
200	8	580	203	--	--	--	--
250	10	670	250	--	--	--	--

衬氟球阀

技术规范 Technical Specifications

设计规范 Design spec	GB 12237
结构长度 Face to face	GB 12221
连接法兰 Flange ends	GB 4216
试验与检验 Test and inspection	GB 13927
产品标识 Marking	GB 12220
供货规范 Supply	GB 7928



Q41FS

主要零件与材质 Main Parts and Materials

序号 NO	零件名称 Name of parts	铸钢 Cast steel	不锈钢耐酸铸钢 Stainless acid resistant cast steel		超低碳不锈钢耐酸铸钢 Stainless acid resistant cast steel	
		C	P	R	PL	RL
1	阀体 Body	WCB	CF8	CF8M	CF3	CF3M
2	球体 Ball	WCB	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti	00Cr18Ni10	00Cr17Ni14Mo2
3	衬里 Lining			FEP PFA F46		
4	密封圈 Sealing			PTFE		
5	手柄、蜗轮 Wrench			碳钢 Carbon steel		

主要尺寸及重量 Main dimensions and weight

单位 Unit: mm

公称压力 Nominal pressure	工作压力 Working pressure	通径 Diameter		D	D1	D2	b	N-φd	f	H	重量 Weight kg/kilos
		mm	inch								
1.0	1.6	15	1/2	95	65	45	14	4-13.5	3	95	4
		20	3/4	105	75	55	16	4-13.5	3	98	4.5
		25	1	115	85	65	16	4-13.5	3	103	4
		32	1 1/4	140	100	78	18	4-17.5	3	120	7
		40	1 1/2	150	110	85	18	4-17.5	3	125	9
		50	2	165	125	100	20	4-17.5	3	137	15
1.0	1.0	65	2 1/2	185	145	120	20	4-17.5	3	145	19
		80	3	200	160	135	22	4-17.5	3	185	30
		100	4	220	180	155	24	8-17.5	3	220	40
		125	5	250	210	185	24	8-17.5	3	230	65
		150	6	285	240	210	26	8-22	3	283	85
		200	8	340	295	265	28	8-22	4	325	153
	0.6	250	10	390	350	320	30	12-22	4	378	

陶瓷球阀

结构设计特点 Structural Design Characteristic

陶瓷材料属性

所有与介质接触的部分均为结构陶瓷材料,其化学稳定性及硬度极高(洛氏硬度HRC90),仅次于金刚石。因此,本阀门具有极高的耐磨损、耐腐蚀、耐冲蚀性能,且隔热性能好、热膨胀小。

工艺制造

球体采用先进研磨设备及工艺制造,球圆度精度高,表面质量好,与阀座对研后利用ZrO₂陶瓷的自润滑性,可取得很好的密封性能,彻底改变了金属硬密封球阀易泄漏,扭矩大,密封面不耐腐蚀的缺点。

适用范围

用于高硬度的颗粒介质,或有软颗粒但又有腐蚀的介质中,本阀门具有无可比拟的绝对优势,也是唯一合适此类介质的阀门。目前已广泛用于电厂的延期脱硝系统、除渣系统以及燃烧系统;碱厂的盐水、蒸馏工序;造纸厂的纸浆控制系统等。

Ceramic material property

The valve has the exceedingly high wear-proof capability, corrosion resisting, enduring capability, good heat insulation, small thermal expansion. All parts that contact the media are made of structural ceramics with extremely high chemical stability and hardness (HRC90) only inferior to diamond.

Manufacture process

The ball is processed by advanced polishing equipment that can ensure high circularity, accuracy, good surface quality. The self-lubricating capability of ZrO₂ ensure the good sealing performance. This makes hard seal valve totally free from the defects such as having big torque, non-corrosion-resistant and the sealing works badly.

Scope of application

The valve fits in granule medium of high hardness, or medium with erosive soft granule, it is also the only valve suitable for this type of medium. They are widely used in petrochemical industry, metallurgy, mining, power station, medicine and papermaking and so on.

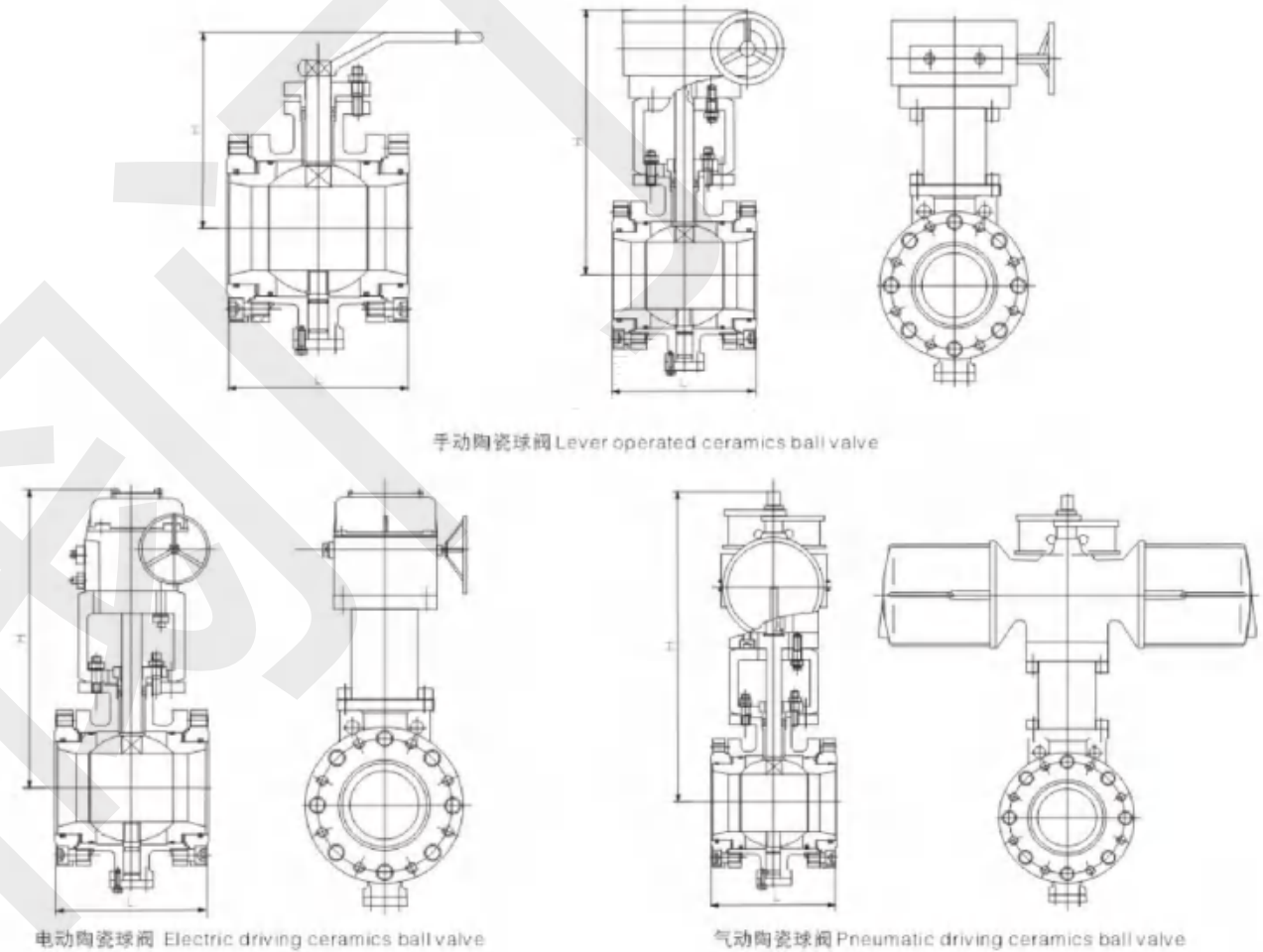
技术规范 Technical Specifications

设计标准 Design Standard	GB/T12237
结构长度 Face to Face Dimension	GB/T12221
法兰尺寸 Flanged End Dimension	GB/T9113
试验和检验 Test and Inspection	JB/T9092

主要零件与材质 Main Parts and Materials

零件名称 Part Name	材料 Material
阀体 Body	铸钢, 铸不锈钢 Cast steel, Cast stainless steel
阀盖 Bonnet	铸钢, 铸不锈钢 Cast steel, Cast stainless steel
阀杆 Stem	马氏体不锈钢, 奥氏体不锈钢, 双相不锈钢 Martensitic stainless steel, Austenitic stainless steel, Duplex stainless steel
球体 Ball	陶瓷 Ceramics
密封圈 Seal ring	陶瓷 Ceramics

陶瓷球阀



主要外形尺寸 Main External Dimensions

PN1.0MPa

DN	L	手动	电动	气动
		Hand-operated	Electric Driving	Pneumatic Driving
		H	H	H
15	108	85	233	198
20	117	94	242	207
25	127	100	248	235
32	140	114	262	242
40	165	121	269	261
50	178	140	288	270
65	190	158	306	302
80	203	176	362	332
100	229	202	388	355
125	254	252	438	406
150	267	276	462	503
200	292	293	479	527

陶瓷球阀

主要外形尺寸 Main External Dimensions

PN16/PN20/Class150

DN	b	L	手动 Hand-operated H	电动 Electric Driving H	气动 Pneumatic Driving H
15	14	108	85	233	198
20	14	117	94	242	207
25	14	127	100	248	235
32	16	140	114	262	242
40	16	165	121	269	261
50	16	178	140	288	270
65	18	190	158	306	302
80	20	203	176	362	332
100	20	229	202	388	355
125	22	254	252	438	406
150	24	267	276	462	503
200	26	292	293	479	527

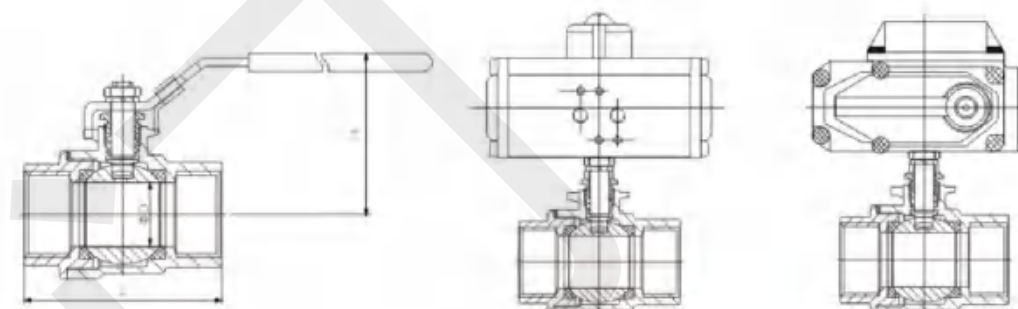
PN25/PN40/PN50/Class300

DN	b	L	手动 Hand-operated H	电动 Electric Driving H	气动 Pneumatic Driving H
15	16	108	85	233	198
20	16	117	94	242	207
25	16	127	100	248	235
32	18	140	114	262	242
40	18	165	121	269	261
50	20	178	140	288	270
65	22	190	158	306	302
80	22	203	176	362	332
100	24	229	202	388	355
125	28	254	252	438	406
150	30	267	276	462	503
200	34	292	293	479	527

PN100/PN110/Class600

DN	b	L	手动 Hand-operated H	电动 Electric Driving H	气动 Pneumatic Driving H
15	16	108	90	238	203
20	16	117	100	248	213
25	16	127	105	253	231
32	18	140	120	268	246
40	18	165	128	276	273
50	20	178	146	294	293
65	22	190	165	313	328
80	22	203	185	371	366
100	24	229	210	396	394
125	28	254	265	451	445
150	30	267	290	476	541
200	38	292	308	494	586

内螺纹球阀



标准规范 Standard Specification

1. 设计制造 design and manufacture: GB/T 12237-2007
2. 阀体壁厚 The body wall thickness: GB/T 12221
3. NPT 螺纹连接 NPT threaded connection: ASME B1.20.1
4. G 螺纹连接 G threaded connection: GB/T 12716
5. Rc 螺纹连接 Rc threaded connection: GB/T 7306.2
6. 承插焊 Socket welding: ASME B16.11
7. 对焊 Butt welding: ASME B16.25, ASME B36.10M
8. 检查和试验 Inspection and test: GB 13927-1992

阀门性能 Performance

适用于淡水、污水、海水、空气、蒸汽、食品、药品、化学制剂、各种油类、酸碱类和盐类等。
Suitable for fresh water, sewage, sea water, air, steam, food, medicine, chemicals, various oil, acid and alkali and salt, etc.

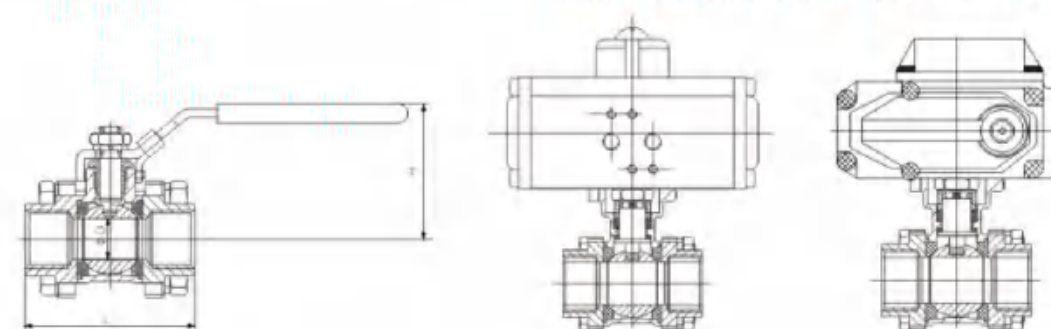
设计特点 Design features

1. 手柄上带有限位、锁定装置，防止误操作，更加安全可靠。
2. 防飞出阀杆设计。
3. 可靠轻便的操作。
4. 符合 API 607 防火设计。
5. 阀门通道有通径和缩径两种类型。
6. 阀杆与球体连接处有防静电装置。
7. 连接端：螺纹、承插焊、对焊（可延长阀体）。

主要外形尺寸 Main External Dimensions

SIZE	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
ΦD	12.5	12.5	15	20	25	32	38	50	65	80	100
L	49	49	58	66	77	90	98	121	145	166	240
H	48	48	52	61	65	79	83	97	135	144	159

三片式内螺纹球阀 3-PC Thread Ball Valve



主要外形尺寸 Main External Dimensions

SIZE	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
ΦD	12.5	12.5	15	20	25	32	38	50	65	80	100
L	50.5	50.5	61.5	70	80.5	93	103	125	158	179	213
H	48	48	52	61	65	79	83	97	135	144	149

真空球阀

产品概述 Product Overview

本公司生产的真空球阀，分为三种不同的连接形式。按照GB6070标准的活套法兰连接，按照GB4982标准的快卸法兰连接和螺纹式连接适用真空范围：0.6*10⁻¹~1.3*10⁻⁴pa。用于真空系统中接通或切断管路的介质流。该阀为直通式手动球阀，靠球面密封，因而既能在真空状态下，也能在低压状态下使用，并可任意位置安装。适用的工作介质为带酸、碱性的气体或液体。

This company produces the vacuum ball valve, and for three different kinds of connection form, according to the GB6070 standard must live flange connection, in accordance with the quick-release GB4982 standard flange connection, and type of screw thread connection can be used vacuum range: 0.6*10⁻¹~1.3*10⁻⁴pa. Used in the vacuum system through or cut off the line media flow. For straight through the manual ball valve, this valve on spherical seal, and thus can be under vacuum condition, also can be used in low pressure conditions, and can be installed in any position. Applicable working medium for people with acid, alkali the gas or liquid.

结构特点 Structural Characteristics

不仅结构简单、密封性好，而且安装尺寸小，驱动力矩小，操作简单，易实现快速启闭。

可靠的弹性球面密封设计克服了传统球阀没有弹性补偿力，开关力矩大、容易抱死球体的缺陷。

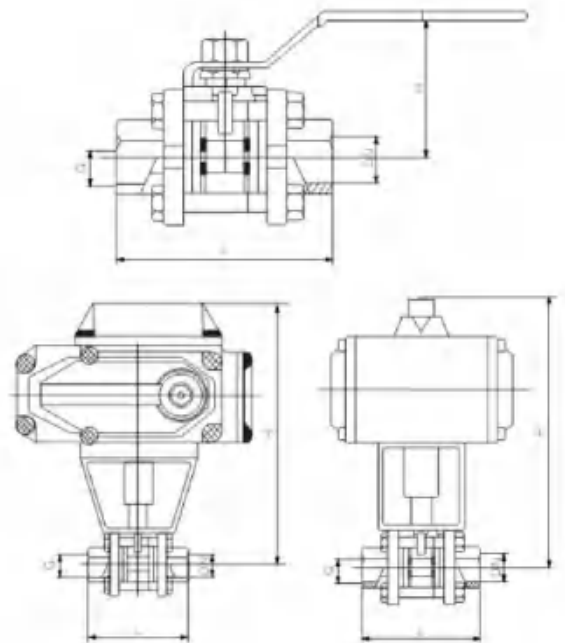
可在高真空状态下使用，也可在低压的系统下使用，达到正负压同用的优点。

对于不同的目的和工况，可方便选用不同的材料予以解决。Not only has simple structure, good sealing, and installation size is small, small drive moment, simple operation, easy to achieve rapid opening and closing.

Reliable lip design eliminates the traditional seat of resilient seated no elastic compensation, switch forces the defects of large torque, easy to lock the ball.

Can be used in the high vacuum state, and also can be used under low pressure system, to achieve pressure the advantage of.

For different purposes and working condition, easy to choose different material.



主要外形尺寸 Main External Dimensions

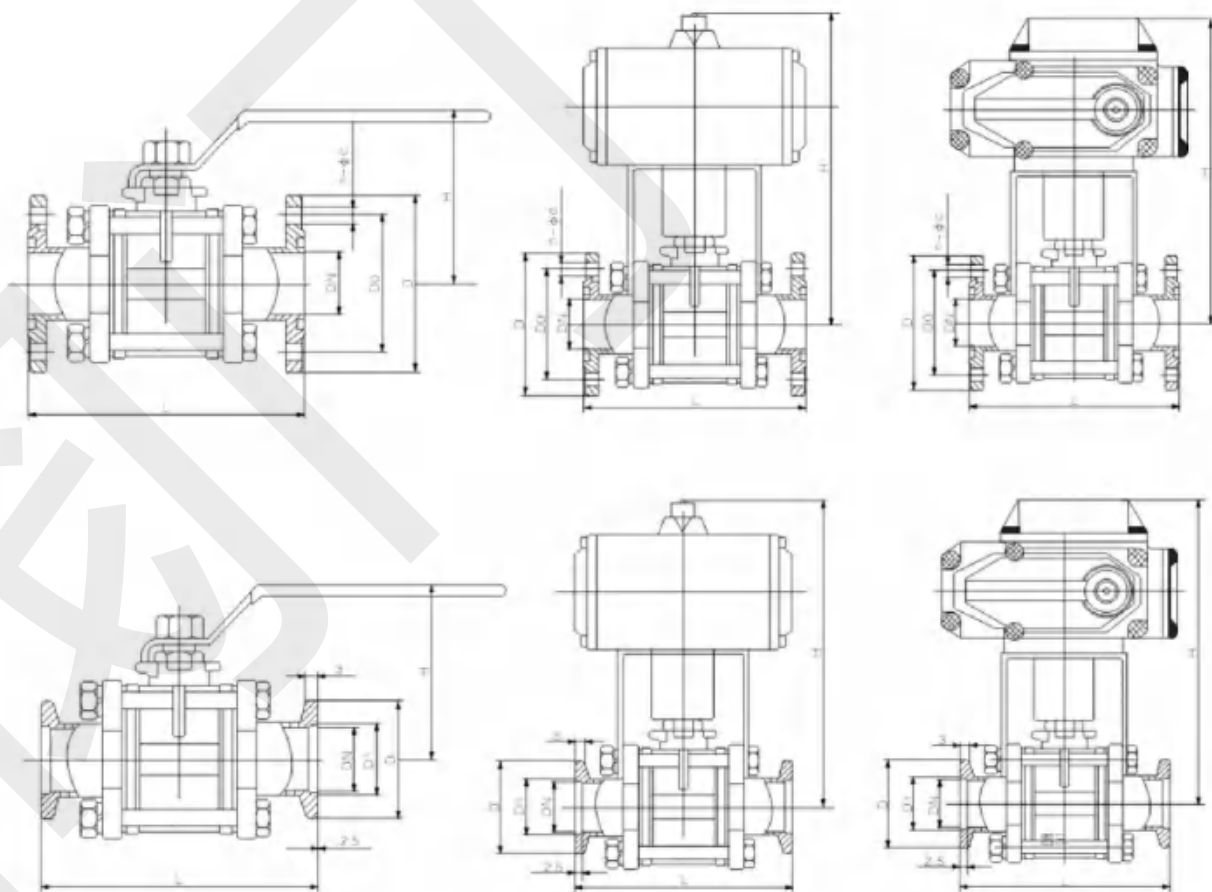
螺纹连接的外形及连接尺寸

Model型号	DN	G	H	L
GU-10(G)	10	3/8"	52	68
GU-16(G)	16	1/2"	64	72
GU-20(G)	20	3/4"	67	82
GU-25(G)	25	1"	83	90
GU-32(G)	32	1-1/4"	89	112
GU-40(G)	40	1-1/2"	100	120
GU-50(G)	50	2"	125	145
GU-63(G)	63	2-1/2"	150	185
GU-80(G)	80	3"	161	210
GU-100(G)	100	4"	180	268

主要技术性能 The Main Technical Performance

阀门漏率: Valve Leak Rate	≤1.3*10 ⁻⁴ Pa L/S
适用温度: Applicable Temperature	-30~+150℃ -30~+150℃ (PPL密封)
适用范围: Appy Range	
连接法兰: Loose Flange	使用压力范围 (Pa)
活套法兰 (GB6070, JB919)	0.6*10 ⁻¹ ~1.3*10 ⁻⁴
焊接法兰 (GB6070, JB919)	1.6*10 ⁻¹ ~1.3*10 ⁻⁴
快卸法兰 (GB4982)	0.1*10 ⁻¹ ~1.3*10 ⁻⁴
螺纹连接: Threaded Connection	1.6*10 ⁻¹ ~1.3*10 ⁻⁴
应用领域: Application	制冷、医药、太阳能、环保、电子、科研、能源、航空航天、食品
适用介质: Applicable medium	空气、非腐蚀性气体

真空球阀



主要外形尺寸 Main External Dimensions

活套法兰连接 (GB6070)

Model型号	DN	D	Do	H	L	n-φc
GU-10(G)	10	55	40	52	94	4-φ6.6
GU-16(G)	16	60	45	64	104	4-φ6.6
GU-25(G)	25	70	55	83	114	4-φ6.6
GU-32(G)	32	90	70	89	140	4-φ9
GU-40(G)	40	100	80	100	160	4-φ9
GU-50(G)	50	110	90	125	170	4-φ9
GU-63(G)	63	130	110	150	195	4-φ9
GU-80(G)	80	145	125	161	220	4-φ9
GU-100(G)	100	165	145	180	280	4-φ9

主要外形尺寸 Main External Dimensions

快卸法兰连接 (GB4982)

Model型号	DN	D1	D	H	L
GU-10(G)	10	12.2	30	52	94
GU-16(G)	16	17.2	30	64	104
GU-25(G)	25	26.2	40	83	114
GU-32(G)	32	34.2	55	89	140
GU-40(G)	40	41.2	55	100	160
GU-50(G)	50	52.2	75	125	170

球阀流量系数

球阀流量系数规格 Ball Valve Flow Coefficient Specification

DN	NPS	PN	Class	PN	Class	PN	Class	PN	Class	PN	Class	PN	Class
		16/25	150	40	300	100	600	150	900	250	1500	420	2500
15	1/2	25		25		20		16		16		16	
20	3/4	56		56		40		34		34		32	
25	1	95		95		64		55		55		50	
40	1 1/2	308		308		308		165		165		160	
50	2	420		420		400		330		330		250	
65	2 1/2	690		690		610		520		510		320	
80 x 50	3 x 2	200		200		200		190		180		200	
80	3	1200		1050		1000		910		820		500	
100 x 80	4 x 3	600		600		600		590		550		560	
100	4	2200		2100		1850		1800		1700		1100	
150 x 100	6 x 4	800		800		790		790		780		745	
150	6	5150		5100		4600		4380		3800		2500	
200 x 150	8 x 6	2150		2150		2150		2150		2150		2150	
200	8	9500		9400		9000		8500		7400		5300	
250 x 200	10 x 8	4300		4300		4300		4450		4450		4100	
250	10	15000		15000		14700		14500		11500		8300	
300 x 250	12 x 10	7550		7550		7550		8000		9000		7550	
350 x 250	14 x 10	6000		6000		6000		6100		6100		-	
300	12	23000		23000		22500		21100		18000		13000	
350 x 300	14 x 12	14000		14000		14000		12800		13000		-	
400 x 300	16 x 12	9100		9100		9100		8900		8900		-	
350	14	28000		28000		28000		25000		21000		-	
400 x 350	16 x 14	15000		15000		15000		14200		14100		-	
400	16	37200		37200		37200		34500		27500		-	
450 x 400	18 x 16	21000		21000		21000		19200		19000		-	
500 x 400	20 x 16	15300		15300		15300		13800		12000		-	
450	18	49000		49000		49000		45000		37000		-	
500 x 450	20 x 18	28400		28400		28400		25000		25000		-	
500	20	59000		59000		59000		55200		47800		-	
600 x 500	24 x 20	28200		28200		28000		25100		20600		-	
550	22	68200		68200		68200		62000		54000		-	
600	24	92000		92000		92000		83800		70000		-	
750 x 600	30 x 24	36000		36000		36000		32900		-		-	
650	26	110000		110000		110000		98500		-		-	
700	28	121000		121000		121000		113000		-		-	
750	30	145000		144000		144000		130000		-		-	
900 x 750	36 x 30	64000		64000		64000		61500		-		-	
800	32	170000		170000		170000		151000		-		-	
900 x 800	36 x 32	87000		87000		87000		69500		-		-	
900	36	210000		210000		210000		198200		-		-	
1000	40	267500		267500		267500		-		-		-	
1050 x 900	42 x 36	96700		96700		96000		-		-		-	
1050	42	280000		280000		280000		-		-		-	
1200	48	384000		384000		384000		-		-		-	
1400 x 1050	56 x 42	89000		89000		89000		-		-		-	
1400	56	521000		521000		521000		-		-		-	