

FCBV

适用于各种高温/高腐蚀/高磨损等极端严苛工况



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压力等级范围

PN10,PN16,PN25,PN40,PN63,PN100;
ANSI CL150, CL300, CL600;

口径范围

DN15~DN300/ANSI 1/2"-12"

设计标准

GB/T 9113 - 2010, ASME B16.5
GB/T 12221 - 2005, ASME B16.10
GB/T 13927 - 2008, JB/T 9092 - 1999, API 598



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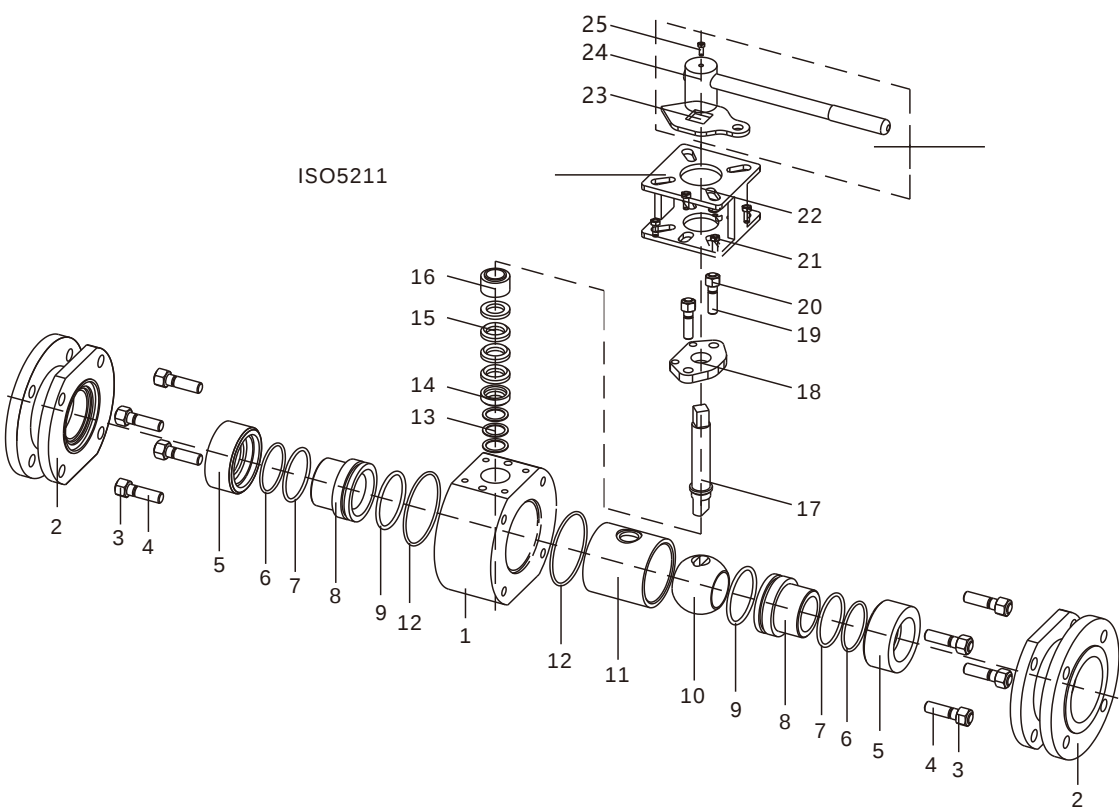


(ZrO2) (Si3N4) (>99%Al2O3) (SSiC) (STC)

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ANSI/FCI 70-2 VI
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ISO 5211



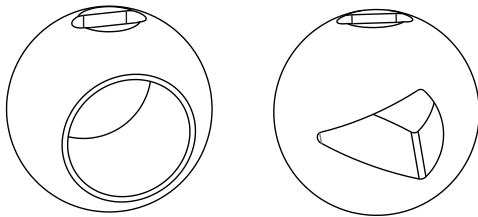
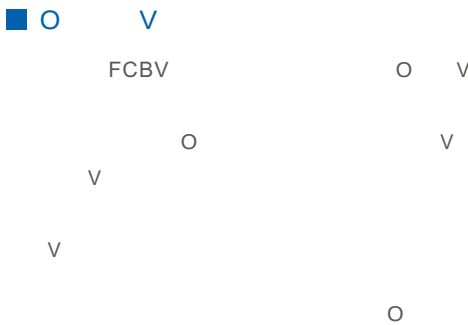
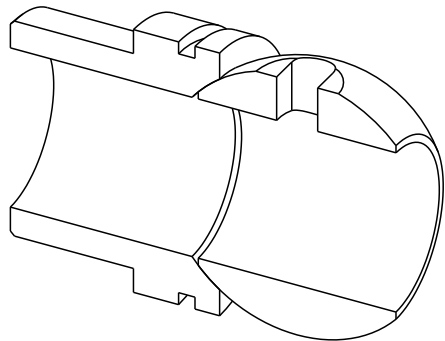


1		A105N, F304,F316,F316L
2		A105N, F304,F316,F316L
3		A194 - 2H/8
4		A193 - B7/B8
5		
6	O	/
7	O	/
8		
9	O	/
10		
11		
12	O	/
13		PTFE

14		F304/F316L/ C276
15		PTFE/
16		F304/F316/F316L
17		17 - 4PH/F304/F316L/ C276
18		ASTM A351 CF8
19		A193 - B7/B8
20		A194 - 2H/8
21		SS304
22		ASTM A351 CF8
23		SS304
24		AISI 1045/F304
25		SS304

Ra0.1~0.2,

VI

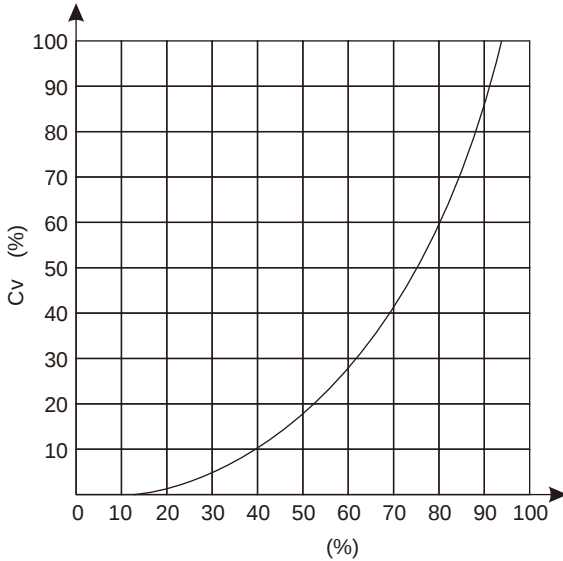


Cv

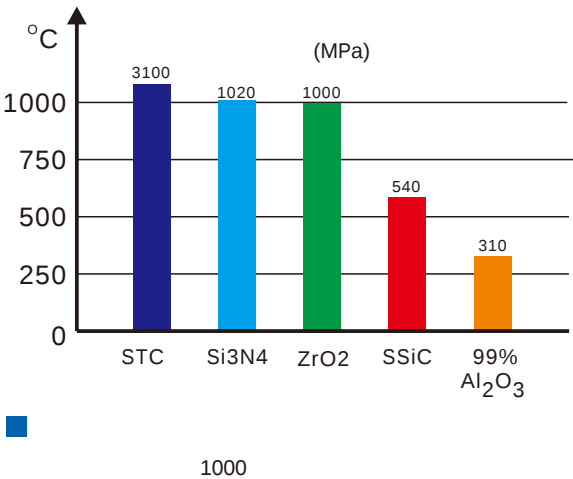
	Cv max.	
	O-Port	V-Port
1/2"	15	8
3/4"	34	18
1"	45	18
1 1/4"	63	35
1 1/2"	114	87
2"	227	122
2 1/2"	316	175
3"	482	240
4"	810	406
5"	1140	485
6"	1900	610
8"	2350	—
10"	3870	—
12"	5200	—



V



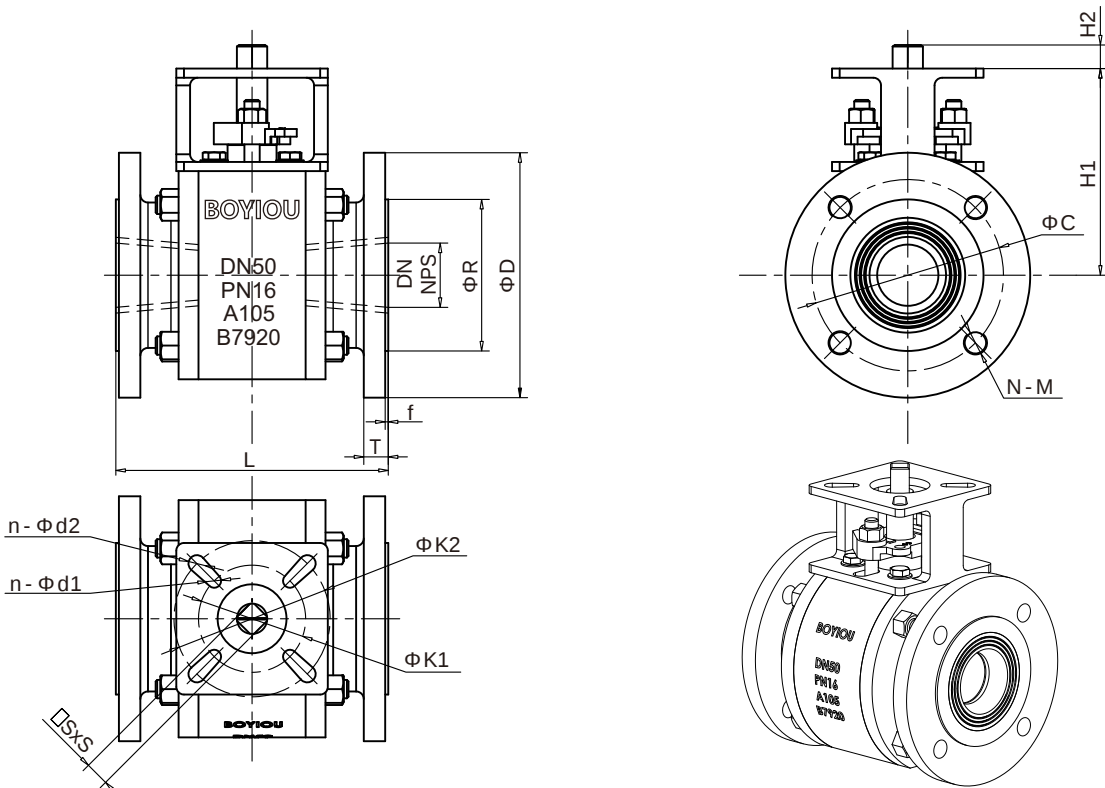
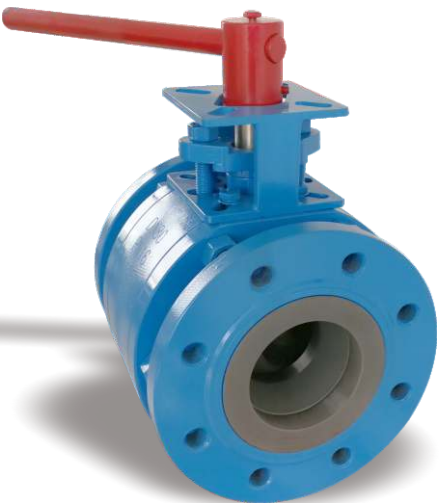
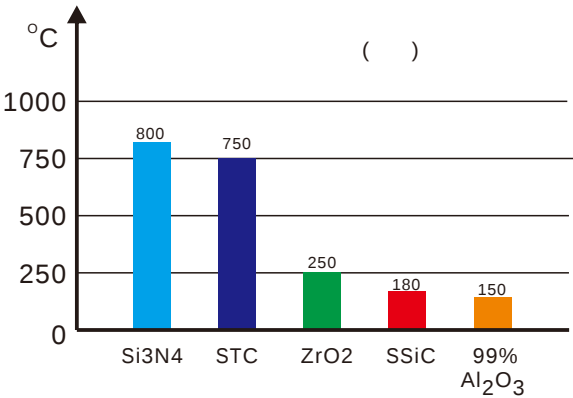
		>99% Al ₂ O ₃	ZrO ₂	Si ₃ N ₄	SSiC	STC
	g/cm ³	3.9	6.0	3.3	3.2	14
	Mpa	310	1000	1020	540	3100
	Gpa	360	200	300	430	680
	HRA	88	86	90	92	86
	°C	1750	1500	1000	1650	1000
	10 ⁻⁶ /°C	7.2	10.5	2.8	3.7	9.6



99% (Si₃N₄) 99%Al₂O₃ (SSiC) FCBV (ZrO₂)

		Al ₂ O ₃ >99%	ZrO ₂	Si ₃ N ₄	SSiC
20%HCL	60°C	A	A	B	A
20%HCL	90°C	A	A	C	A
60%H ₂ SO ₄	60°C	A	A	A	A
60%H ₂ SO ₄	90°C	A	A	B	A
10%HF	60°C	B	C	C	A
50%HF	90°C	C	X	X	A
60%HNO ₃	60°C	A	A	C	A
60%HNO ₃	90°C	B	A	C	A
30%NaOH	60°C	A	A	B	A
30%NaOH	90°C	B	B	C	A

A-
B-
C-
X-



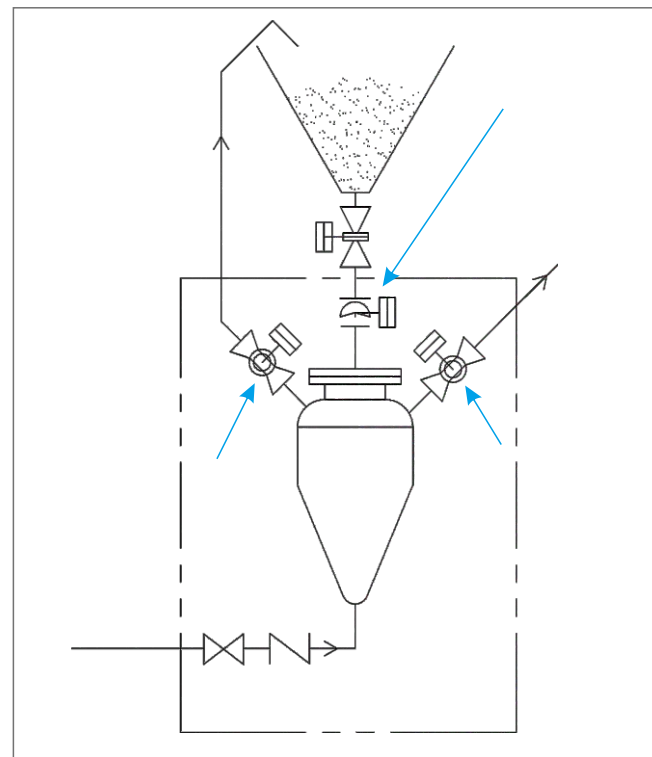
		(GB/T 9113-2010 PN16,RF)							(ASME B16.5 CL 150,RF)						
DN	NPS	L	ΦD	ΦC	N - M	ΦR	T	f	L	ΦD	ΦC	N - M	ΦR	T	f
DN15	1/2"	108	95	65	4 - M12	45	16	2	108	90	60.3	4 - M12	34.9	11.6	2
DN20	3/4"	117	105	75	4 - M12	58	18	2	117	100	69.9	4 - M12	42.9	13.2	2
DN25	1"	127	115	85	4 - M12	68	18	2	127	110	79.4	4 - M12	50.8	14.7	2
DN32	1 1/4"	140	140	100	4 - M16	78	18	2	140	115	88.9	4 - M12	63.5	16.3	2
DN40	1 1/2"	165	150	110	4 - M16	88	18	3	165	125	98.4	4 - M12	73.0	17.9	2
DN50	2"	178	165	125	4 - M16	102	18	3	178	150	120.7	4 - M16	92.1	19.5	2
DN65	2 1/2"	190	185	145	4 - M16	122	20	3	190	180	139.7	4 - M16	104.8	22.7	2
DN80	3"	203	200	160	8 - M16	138	22	3	203	190	152.4	4 - M16	127.0	24.3	2
DN100	4"	229	220	180	8 - M16	158	24	3	229	230	190.5	8 - M16	157.2	24.3	2
DN125	5"	356	250	210	8 - M16	188	24	3	356	255	215.9	8 - M20	185.7	24.3	2
DN150	6"	394	285	240	8 - M20	212	26	3	394	280	241.3	8 - M20	215.9	25.9	2
DN200	8"	457	340	295	12 - M20	268	29	3	457	345	298.5	8 - M20	269.9	29.0	2
DN250	10"	533	405	355	12 - M24	320	30	3	533	405	362.0	12 - M24	323.8	30.6	2
DN300	12"	610	460	410	12 - M24	378	32	3	610	485	431.8	12 - M24	381.0	32.2	2

SIZE	DN15 1/2"	DN20 3/4"	DN25 1"	DN32 1 - 1/4"	DN40 1 - 1/2"	DN50 2"	DN65 2 - 1/2"	DN80 3"	DN100 4"	DN125 5"	DN150 6"	DN200 8"	DN250 10"	DN300 12"
ISO5211	F05/07	F05/07	F05/07	F05/07	F05/07	F07/10	F07/10	F07/10	F10/12	F10/12	F10/12	F14	F14	F14
ΦK1	50	50	50	50	50	70	70	70	102	102	102	140	140	140
n - Φd1	4 - Φ8	4 - Φ8	4 - Φ8	4 - Φ8	4 - Φ8	4 - Φ10	4 - Φ10	4 - Φ10	4 - Φ12	4 - Φ12	4 - Φ12	4 - Φ18	4 - Φ18	4 - Φ18
ΦK2	70	70	70	70	70	102	102	102	125	125	125	—	—	—
n - Φd2	4 - Φ10	4 - Φ10	4 - Φ10	4 - Φ10	4 - Φ10	4 - Φ12	4 - Φ12	4 - Φ12	4 - Φ14	4 - Φ14	4 - Φ14	—	—	—
45 ° □S×S	9X9	9X9	9X9	11X11	11X11	14X14	19X19	19X19	22X22	27X27	27X27	36X36	36X36	36X36
H1	89.5	94	94	103	108	135	146	160	196	213	235	270	330	350
H2	12	12	12	14	15	15	18	20	27	27	27	40	40	50
N.M	19	25	25	30	50	70	110	160	250	300	400	750	1200	1200

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注：此示意图仅为气力输送系统类型之一，其他系统如负压真空输送系统同样适用；

博艺欧全内衬陶瓷球阀适用于众多散状物料的气力输送系统，包括但不限于以下状态的介质：

- > 粉状介质 > 树脂
- > 球状颗粒 > 片状介质
- > 纤维 > 飞灰



- > 多晶硅粉气力输送
- > 火电厂干灰气力输送
- > 水泥气力输送
- > 镁粉气力输送
- > 冶金尘土输送
- > 高岭土输送
- > 氧化铝粉输送
- > 石灰粉输送
- > 钢厂高炉喷煤系统
- > 石英砂气力输送
- > 干燥的石油催化剂气力输送



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O V V

