



地址：浙江省丽水市青田县岩下工业区1号
Address: No.1 Yanxia Industrial Zone, Qingtian County, Lishui City, Zhejiang Province
电话/TEL: 18758722225

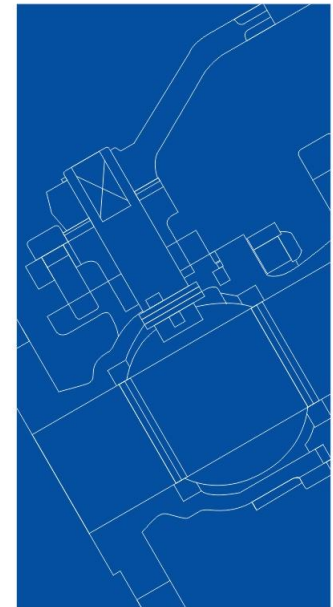


扫码关注 企业公众号

锻造球阀产品选型手册
FORGED BALL VALVE PRODUCT SELECTION MANUAL

RESEARCH AND DEVELOPMENT
/DESIGN/PRODUCTION INDUSTRIAL CHAIN
MANUFACTURING ENTERPRISES

研发/设计/生产
产业链型制造企业





COMPANY PROFILE

企业简介

华唯机械制造有限公司创建于2017年，是一家集金属锻造、精加工、产业链型制造企业。总部坐落于丽水市青田县占地面积约55亩，拥有厂房和各类生产检测设备300余台(套)，年锻造能力达4万余吨。企业坚持以科技创新为目标，卓越的品质为理念，架构研发、设计、生产、销售、售后五位一体的运行机制，为客户提供一站式解决方案。

公司以自主知识产权的大型多向横锻液压机为核心技术，攻克技术关卡，实现锻造技术上质的突破。公司多向横锻产品具有优异的机械性能和使用寿命，并且能给产品节省材料20%~40%以上同时提高机加工进度3~5倍，大幅度降低产品成本。

企业主导产品有：锻造整体球阀系列，法兰、阀体、阀盖等阀门配件。金属环垫（密封件）等。

主要材质有：

08F、10#、304、F321、316、F347、309、310、304L、316L、0Cr13、F5、F9、F11、F91、F51、F53、F55、F44、400、500、600、625、C276、718、800、825、904L特殊镍基合金钢等。

我们的信心来自高质量的产品，精细的服务以及富有竞争力的价格，为客户增值并与之愉快的合作是我们最大追求。

本着双赢的观念，愿与各界朋友为中国的阀门行业腾飞一起努力。

华唯机械竭诚欢迎新老客户莅临参观指导建议！



HUAWEI MACHINERY

Huawei Machinery Manufacturing Co., Ltd. was founded in 2017 and is a manufacturing enterprise that integrates metal forging, precision machining, and industrial chain. The headquarters is located in Qingtian County, Lishui City, covering an area of approximately 55 acres. It has a factory and more than 300 sets of various production and testing equipment, with an annual forging capacity of over 40000 tons. The enterprise adheres to the goal of technological innovation, the concept of excellent quality, and a five in one operation mechanism of research and development, design, production, sales, and after-sales, providing customers with one-stop solutions.

The company takes the large-scale multi-directional forging hydraulic press with independent intellectual property rights as its core technology, overcomes technical barriers, and achieves a qualitative breakthrough in forging technology. The company's multi-directional forging products have excellent mechanical properties and service life, and can save materials by more than 20% to 40% while improving machining progress by 3-5 times, significantly reducing product costs.

The leading products of the enterprise include: forged integral ball valve series, valve accessories such as flanges, valve bodies, and valve covers. Metal ring gaskets (seals), etc.

The main materials include:

08F, 10 #, 304, F321, 316, F347, 309, 310, 304L, 316L, 0Cr13, F5, F9, F11, F91, F51, F53, F55, F44, 400, 500, 600, 625, C276, 718, 800, 825, 904L special nickel based alloy steel, etc.

Our confidence comes from high-quality products, meticulous services, and competitive prices. Our greatest pursuit is to add value to our customers and have a pleasant cooperation with them.

With a win-win concept, we are willing to work together with friends from all walks of life to promote the takeoff of China's valve industry.

Huawei Machinery warmly welcomes new and old customers to visit and provide guidance and suggestions!

INTELLIGENT MANUFACTURING

智能制造



**HUAWEI
MACHINERY**



先进工艺·砺炼精品

ADVANCED CRAFTSMANSHIP · REFINING FINE PRODUCTS



PRODUCTION WORKSHOP

生产车间



精益管理·臻于至境

LEAN MANAGEMENT: ACHIEVING THE ULTIMATE

从毛坯铸件到最终产品,拥有先进的检验手段和测试设备进行质量控制。所有产品都按照相关标准进行精确的材质分析和尺寸检验,严格的工序检验贯穿整个生产过程,每台阀门都按照客户的要求或国际标准生产并在装运前进行最终的检测。我们将努力实现阀门零缺陷。

From rough castings to final products, we have advanced inspection methods and testing equipment for quality control. All products undergo precise material analysis and dimensional inspection in accordance with relevant standards, and strict process inspection runs through the entire production process. Each valve is produced according to customer requirements or international standards and undergoes final testing before shipment. We will strive to achieve zero defects in the valve.



PRODUCTION PROCESS

生产流程

影响产品质量的三大关键是：

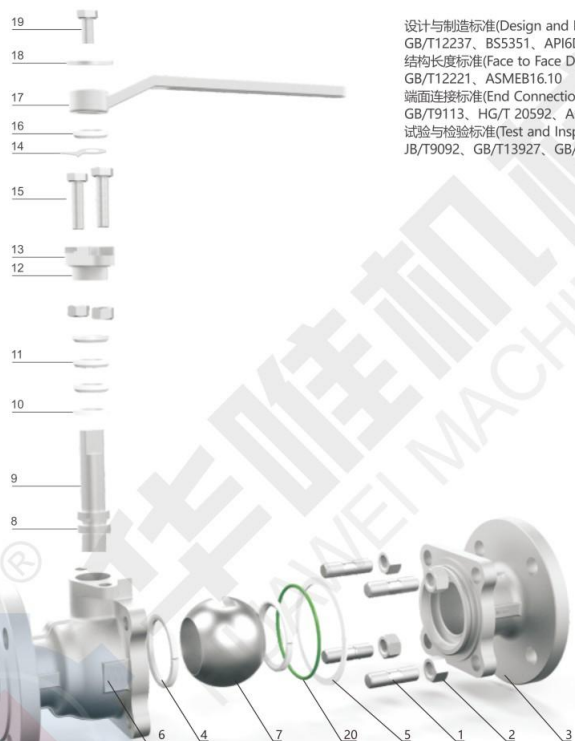
- 原材料合格化
- 加工供应专业化
- 品质检测标准化

The three key factors that affect product quality are:
 Qualification of raw materials
 Specialization of processing and supply
 Standardization of quality testing

公司拥有高精度的数控机床和加工中心,先进的设备及检测仪器,精良的工艺以及严格完善的质量管理体系,并聚集具有专业技术精英和领先水平的科技队伍,充分利用新科技、新工艺、新材料,保证产品的稳定性和可靠性。

The company has high-precision CNC machine tools and machining centers, advanced equipment and testing instruments, sophisticated processes, and a strict and perfect quality management system. It also gathers a professional technical elite and leading technology team, fully utilizing new technology, new processes, and new materials to ensure product stability and reliability.





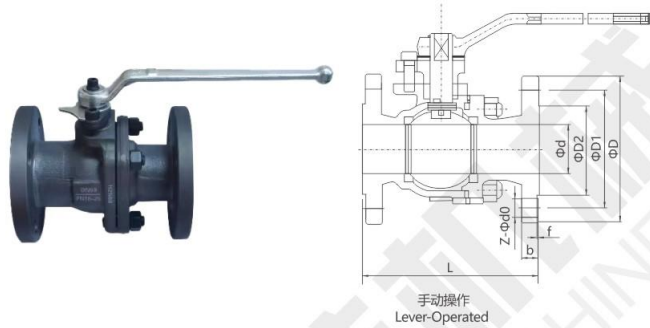
设计与制造标准(Design and Manufacture):
GB/T12237, BS5351, API6D
结构长度标准(Face to Face Dimension):
GB/T12221, ASMEB16.10
端面连接标准(End Connection Standard):
GB/T9113, HG/T 20592, ASMEB16.5
试验与检验标准(Test and Inspection):
JB/T9092, GB/T13927, GB/T26480, API598

01	螺柱 Bolt
02	螺母 Nut
03	阀盖 Cover
04	阀座 Seat
05	中道垫片 Middle gasket
06	阀体 Body
07	球体 Ball
08	防静电装置 Electrostatic discharge device
09	阀杆 Stem
10	止退垫 Stop pad

11	填料 Packing
12	压套 Press sleeve
13	压板 Pressboard
14	限位片 Limit film
15	内六角螺纹 Inside hexagonal bolt
16	卡簧 Clip spring
17	手柄 Lever
18	平垫 Flat pad
19	外六角螺栓 Outer hexagonal bolt
20	O形圈 O-ring

主要零件材料 Main parts and materials

序号 No.	名称 Part Name	材料 Material
1	螺柱 Bolt	ASTM, A193, B7, B7M, B8, B8M, B16, ASTM, A320, L7, L7M
2	螺母 Nut	ASTM, A194, 2H, 2HM, 8, 8M, 7, 7M
3	阀盖 Cover	A105N, LF2, F304, F304L, F316, F316L, F310, F321, F51, F55, F53, F60, A694, F60, INCONEL(625 825), ALLOY, 20#, SS2205, Monel 400
4	阀座 Seat	PTFE, RPTFE, DEVLON, PEEK, PPL(MOC)
5	中道垫片 Middle gasket	PTFE, SS201+石墨/graphite, SS316+石墨/Graphite, SS304+石墨/graphite, INCONEL+石墨/graphite, Monel+石墨/graphite, SS201+PTFE, SS316+PTFE, SS304+PTFE, INCONEL+PTFE, Monel+PTFE
6	阀体 Body	A105N, LF2, F304, F304L, F316, F316L, F310, F321, F51, F55, F53, F60, A694, F60, INCONEL(625 825), ALLOY, 20#, SS2205, Monel 400
7	球体 Ball	A105N, LF2, F304, F304L, F316, F316L, F310, F321, F51, F55, F53, F60, A694, F60, INCONEL(625 825), ALLOY, 20#, SS2205, Monel 400
8	防静电装置 Electrostatic discharge device	SS316
9	阀杆 Stem	F304, F304L, F316, F316L, F310, F321, F51, F55, F53, F60, A694, F60, INCONEL(625 825), ALLOY, 20#, SS2205, Monel 400, 17-4PH, XM-19
10	止退垫 Stop pad	RPTFE, PTFE
11	填料 Packing	盘根/Packing, 柔性石墨/Flexible graphite, PTFE
12	压套 Press sleeve	410, F304, F304L, F316, F316L, F310, F321, F51, F55, F53, F60, A694, F60, INCONEL(625 825), ALLOY, 20#, SS2205
13	压板 Pressboard	WCB, CF3, CF3M, CF8, CF8M, F304, F304L, F316L
14	限位片 Limit film	A3+zinc plating
15	内六角螺纹 Inside hexagonal bolt	ASTM, A193, B7, B7M, B8, B8M, B16, ASTM, A320, L7, L7M
16	卡簧 Clip spring	65Mn
17	手柄 Lever	WCB, CF3, CF3M, CF8, CF8M
18	平垫 Flat pad	C.S+Galvanizing, A3+Galvanizing
19	外六角螺栓 Outer hexagonal bolt	ASTM, A193, B7, B7M, B8, B8M, B16, ASTM, A320, L7, L7M
20	O形圈 O-ring	丁青橡胶/Butadiene green rubber, 氟橡胶/Fluororubber, 硅胶/Silica gel


PN1.6MPa 主要外形尺寸 Configuration dimension 单位Unit: mm

DN	L	D	D1	D2	f	b	Z-φd
15	130	95	65	45	2	14	4-14
20	140	105	75	58	2	16	4-14
25	150	115	85	68	2	16	4-14
32	165	140	100	78	2	16	4-18
40	180	150	110	88	2	16	4-18
50	200	165	125	102	2	16	4-18
65	220	185	145	122	2	16	8-18
80	250	200	160	138	2	18	8-18
100	280	220	180	158	2	18	8-18

PN2.5MPa 主要外形尺寸 Configuration dimension 单位Unit: mm

DN	L	D	D1	D2	f	b	Z-φd
15	130	95	65	45	2	14	4-14
20	140	105	75	58	2	16	4-14
25	150	115	85	68	2	16	4-14
32	165	140	100	78	2	16	4-18
40	180	150	110	88	2	16	4-18
50	200	165	125	102	2	18	4-18
65	220	185	145	122	2	20	8-18
80	250	200	160	138	2	22	8-18
100	320	235	190	162	2	22	8-22

PN4.0MPa 主要外形尺寸 Configuration dimension 单位Unit: mm

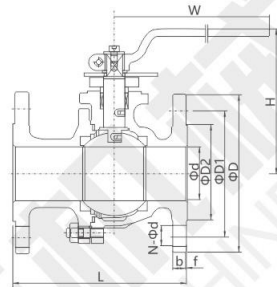
DN	L	D	D1	D2	f	b	Z-φd
15	130	95	65	45	2	14	4-14
20	140	105	75	58	2	16	4-14
25	150	115	85	68	2	16	4-14
32	180	140	100	78	2	16	4-18
40	200	150	110	88	2	16	4-18
50	220	165	125	102	2	18	4-18
65	250	185	145	122	2	20	8-18
80	280	200	160	138	2	22	8-18
100	320	235	190	162	2	22	8-22

PN6.4MPa 主要外形尺寸 Configuration dimension 单位Unit: mm

DN	L	D	D1	D2	f	b	Z-φd
15	165	105	75	45	2	18	4-14
20	190	130	90	58	2	20	4-18
25	216	140	100	68	2	22	4-18
32	229	155	110	78	2	24	4-22
40	241	170	125	88	2	24	4-22
50	292	180	135	102	2	24	4-22
65	330	205	160	122	2	24	8-22
80	356	215	170	138	2	26	8-22
100	432	250	200	162	2	28	8-26

PN10.0MPa 主要外形尺寸 Configuration dimension 单位Unit: mm

DN	L	D	D1	D2	f	b	Z-φd
15	165	105	75	45	2	18	4-14
20	190	130	90	58	2	20	4-18
25	216	140	100	68	2	22	4-18
32	229	155	110	78	2	24	4-22
40	241	170	125	88	2	26	4-22
50	292	195	145	102	2	28	4-26
65	330	220	170	122	2	32	8-26
80	356	230	180	138	2	34	8-26
100	432	265	210	162	2	38	8-30


Class 150Lb 主要外形尺寸 Configuration dimension

单位Unit: mm

NPS	L	d	D	D1	D2	f	b	Z-Φd
1/2"	108	13	90	60.3	34.9	2	8	4-16
3/4"	117	19	100	69.9	42.9	2	8.9	4-16
1"	127	25	110	79.4	50.8	2	9.6	4-16
1-1/4"	140	32	115	88.9	63.5	2	11.2	4-16
1-1/2"	165	38	125	98.4	73	2	12.7	4-16
2"	178	49	150	120.7	92.1	2	14.3	4-19
2-1/2"	191	62	180	139.7	104.8	2	15.9	4-19
3"	203	74	190	152.4	127	2	17.5	4-19
4"	229	100	230	190.5	157.2	2	20.3	8-19

Class 300Lb 主要外形尺寸 Configuration dimension

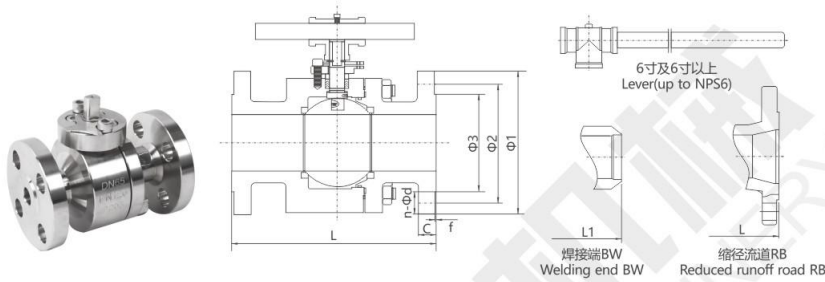
单位Unit: mm

NPS	L	d	D	D1	D2	f	b	Z-Φd
1/2"	140	13	95	66.7	34.9	2	12.7	4-16
3/4"	152	19	115	82.6	42.9	2	14.3	4-19
1"	165	25	125	88.9	50.8	2	15.9	4-19
1-1/4"	178	32	135	98.4	63.5	2	17.5	4-19
1-1/2"	190	38	155	114.3	73	2	19.1	4-22
2"	216	49	165	127	92.1	2	20.7	8-19
2-1/2"	241	62	190	149.2	104.8	2	23.9	8-22
3"	283	74	210	168.3	127	2	27	8-22
4"	305	100	255	200	157.2	2	30.2	8-22

Class 600Lb 主要外形尺寸 Configuration dimension

单位Unit: mm

NPS	L	d	D	D1	D2	f	b	Z-Φd
1/2"	165	13	95	66.7	34.9	7	14.3	4-16
3/4"	190	19	115	82.6	42.9	7	15.9	4-19
1"	216	25	125	88.9	50.8	7	17.5	4-19
1-1/4"	229	32	135	98.4	63.5	7	20.7	4-19
1-1/2"	241	38	155	114.3	73	7	22.3	4-22
2"	292	49	165	127	92.1	7	25.4	8-19
2-1/2"	330	62	190	149.2	104.8	7	28.6	8-22
3"	356	74	210	168.3	127	7	31.8	8-22
4"	432	100	275	215.9	157.2	7	38.1	8-25.5


PN1.6MPa 主要外形尺寸 Configuration dimension 单位Unit: mm

DN	L	D1	D2	D3	f	C	n-Φd
15	130	95	65	45	2	14	4-14
20	140	105	75	58	2	16	4-14
25	150	115	85	68	2	16	4-14
32	165	140	100	78	2	16	4-18
40	180	150	110	88	2	16	4-18
50	200	165	125	102	2	16	4-18
65	220	185	145	122	2	16	8-18
80	250	200	160	138	2	18	8-18
100	280	220	180	158	2	18	8-18
125	320	250	210	188	2	20	8-18
150	360	285	240	212	2	20	8-22
200	400	340	295	268	2	22	12-22

PN2.5MPa 主要外形尺寸 Configuration dimension 单位Unit: mm

DN	L	D1	D2	D3	f	C	n-Φd
15	130	95	65	45	2	14	4-14
20	140	105	75	58	2	16	4-14
25	150	115	85	68	2	16	4-14
32	165	140	100	78	2	16	4-18
40	180	150	110	88	2	16	4-18
50	200	165	125	102	2	18	4-18
65	220	185	145	122	2	20	8-18
80	250	200	160	138	2	22	8-18
100	320	235	190	162	2	22	8-22
125	400	270	222	188	2	24	8-26
150	400	300	250	218	2	26	8-26
200	550	360	310	278	2	28	12-26

PN4.0MPa 主要外形尺寸 Configuration dimension 单位Unit: mm

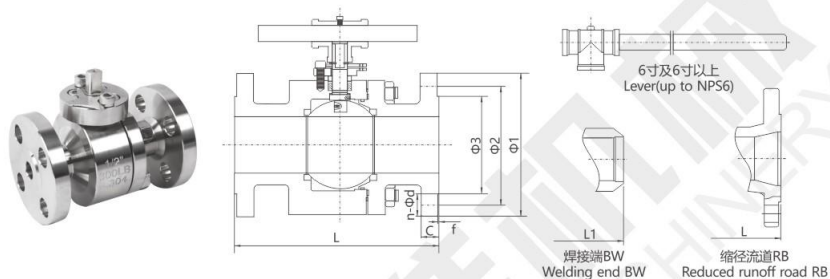
DN	L	D1	D2	D3	f	C	n-Φd
15	130	95	65	45	2	14	4-14
20	140	105	75	58	2	16	4-14
25	150	115	85	68	2	16	4-14
32	180	140	100	78	2	16	4-18
40	200	150	110	88	2	16	4-18
50	220	165	125	102	2	18	4-18
65	250	185	145	122	2	20	8-18
80	280	200	160	138	2	22	8-18
100	320	235	190	162	2	22	8-22
125	400	270	220	188	2	24	8-26
150	400	300	250	218	2	26	8-26
200	550	375	320	285	2	32	12-30

PN6.4MPa 主要外形尺寸 Configuration dimension 单位Unit: mm

DN	L	D1	D2	D3	f	C	n-Φd
15	165	105	75	45	2	18	4-14
20	190	130	90	58	2	20	4-18
25	216	140	100	68	2	22	4-18
32	229	155	110	78	2	24	4-22
40	241	170	125	88	2	24	4-22
50	292	180	135	102	2	24	4-22
65	330	205	160	122	2	24	8-22
80	356	215	170	138	2	26	8-22
100	432	250	200	162	2	28	8-26
125	508	295	240	188	2	32	8-30
150	559	345	280	218	2	34	8-33
200	660	415	345	285	2	40	12-36

PN4.0MPa 主要外形尺寸 Configuration dimension 单位Unit: mm

DN	L	D1	D2	D3	f	C	n-Φd
15	165	105	75	45	2	18	4-14
20	190	130	90	58	2	20	4-18
25	216	140	100	68	2	22	4-18
32	229	155	110	78	2	24	4-22
40	241	170	125	88	2	26	4-22
50	292	195	145	102	2	28	4-26
65	330	220	170	122	2	32	8-26
80	356	230	180	138	2	34	8-26
100	432	265	210	162	2	38	8-30
125	508	315	250	188	2	38	8-33
150	559	355	290	218	2	42	12-33
200	660	430	360	285	2	50	12-36


Class 150Lb 主要外形尺寸 Configuration dimension

单位Unit: mm

NPS	L	d	D	D1	D2	f	C	n-Φd
1/2"	108	13	90	60.3	34.9	2	8	4-16
3/4"	117	19	100	69.9	42.9	2	8.9	4-16
1"	127	25	110	79.4	50.8	2	9.6	4-16
1-1/4"	140	32	115	88.9	63.5	2	11.2	4-16
1-1/2"	165	38	125	98.4	73	2	12.7	4-16
2"	178	49	150	120.7	92.1	2	14.3	4-19
2-1/2"	191	62	180	139.7	104.8	2	15.9	4-19
3"	203	74	190	152.4	127	2	17.5	4-19
4"	229	100	230	190.5	157.2	2	20.3	8-19
5"	-	127	255	215.9	185.7	2	22.3	8-22
6"	394	150	280	241.3	215.9	2	23.9	8-22
8"	457	201	345	298.5	269.9	2	27	8-22
10"	533	252	405	362	323.8	2	28.6	12-25.5

Class 300Lb 主要外形尺寸 Configuration dimension

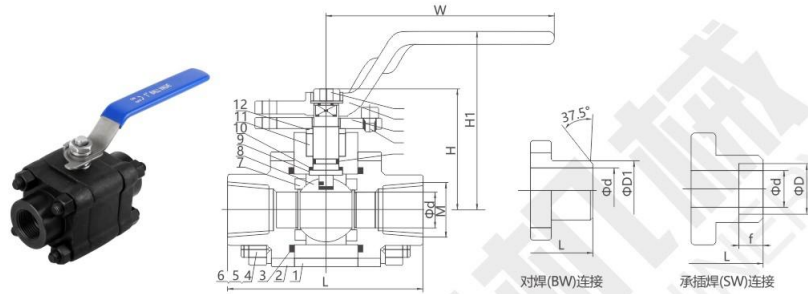
单位Unit: mm

NPS	L	d	D	D1	D2	f	C	n-Φd
1/2"	140	13	95	66.7	34.9	2	12.7	4-16
3/4"	152	19	115	82.6	42.9	2	14.3	4-19
1"	165	25	125	88.9	50.8	2	15.9	4-19
1-1/4"	178	32	135	98.4	63.5	2	17.5	4-19
1-1/2"	190	38	155	114.3	73	2	19.1	4-22
2"	216	49	165	127	92.1	2	20.7	8-19
2-1/2"	241	62	190	149.2	104.8	2	23.9	8-22
3"	283	74	210	168.3	127	2	27	8-22
4"	305	100	255	200	157.2	2	30.2	8-22
5"	-	127	280	235	185.7	2	33.4	8-22
6"	403	150	320	269.9	215.9	2	35	12-22
8"	502	201	380	330.2	269.9	2	39.7	12-25.5

Class 600Lb 主要外形尺寸 Configuration dimension

单位Unit: mm

NPS	L	d	D	D1	D2	f	C	n-Φd
1/2"	165	13	95	66.7	34.9	7	14.3	4-16
3/4"	190	19	115	82.6	42.9	7	15.9	4-19
1"	216	25	125	88.9	50.8	7	17.5	4-19
1-1/4"	229	32	135	98.4	63.5	7	20.7	4-19
1-1/2"	241	38	155	114.3	73	7	22.3	4-22
2"	292	49	165	127	92.1	7	25.4	8-19
2-1/2"	330	62	190	149.2	104.8	7	28.6	8-22
3"	356	74	210	168.3	127	7	31.8	8-22
4"	432	100	275	215.9	157.2	7	38.1	8-25.5



标准规范 Standard specification

1. 设计制造: GB/T 12237-2007
2. 阀体壁厚: GB/T 12224
3. NPT螺纹连接: ASME B1.20.1
G螺纹连接: GB/T 12716
RC螺纹连接: GB/T 12306.2
4. 承插焊: ASME B16.11
5. 对焊: ASME B16.25, ASME B36.10M
6. 检查和试验: GB/T 13927-1992

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. 阀杆与球体连接处有防静电装置;
6. 连接端: 螺纹、承插焊、对焊(可延长阀体)。

阀门性能 Valve 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。

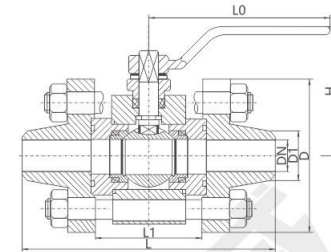
主要零件及材质 Main parts and materials

序号No.	名称Name	材料Material			
1	阀体 Body	A105	F304	F316	F304L
2	端盖 Bonnet	A105	F304	F316	F304L
3	垫片 Gasket	304+石墨			
4	弹簧垫 Spring pad	65Mn	304		
5	双头螺栓 Double headed bolt	A193 B7	A193 B8		
6	螺母 Nut	A194 2H	A194 8		
7	密封圈 Seal ring	RPTFE/钼龙/铁氟龙			
8	球体 Ball	A276 420	304	316	304L
9	阀杆 Stem	F6a	304	17-4PH	304L
10	阀杆垫 Stem gasket	PTFE/RPTFE/碳纤维Carbon fiber			
11	填料 Packing	RPTFE/柔性石墨/V型填料			
12	填料压套 Packing sleeve	F304			
13	O型圈 O-ring	NBR/VITON			
14	内六角螺钉 Internal hexagonal screw	A193 B7	A193 B8		
15	压盖 Gland	WCB	CF8	CF8M	CF3
16	手柄 Handle	WCB+Zn			
17	六角法兰螺母 Hexagonal flange nut	A194 2H	A194 8		

Class 800, 1500Lb 主要外形尺寸 Connection dimension

单位Unit: mm

DN	L	D	d	f	H	H1	W	D1	M
10	105	17.8	10	10	61	95	165	35	NPT BSP G RC
15	105	22	15	10	61	95	165	35	
20	113	27.3	20	13	67	100	165	40	
25	125	34	25	13	70	100	165	48	
32	135	42.8	32	13	85	125	180	62	
40	160	48.9	38	13	95	135	200	66	
50	170	61.4	50	16	102	145	200	80	



应用规范 Application Specification

公称压力: 16-32MPa
温度范围: -20~232°C~350°C
适用介质: 水、油、气及某些腐蚀性液体(W.O.G)
焊接类型: 对焊(BW)、承插焊(SW)

Nominal Pressure: 16-32MPa
Temperature Range: -20~232 °C~350 °C
Applicable Media: Water, oil, gas and some corrosive liquids (W.O.G)
Welding Type: Butt welding (BW), socket welding (SW)

主要零件材料 Main parts and materials

型号 Type	阀体 Body	球体、阀杆 Ball, Stem	手柄 Handend	密封圈 seal ring	垫片、填料 Gasket, Packing	适用介质 Suitable Medium
Q61N-160/320C Q661N-160/320C	A105, 45	1Cr18/1Cr18Ni9Ti	铸铁 Cast iron WCB	聚四氟乙烯 PTFE 增强聚四氟乙烯 RPTFE 对位聚苯 PPL	聚四氟乙烯 PTFE 对位聚苯 PPL	水、蒸汽、油品 Water, steam, oil
Q61N-160/320P Q661N-160/320P	304/1Cr18Ni9Ti	304/1Cr18Ni9Ti				硝酸类 Nitric Acid
Q61N-160/320R Q661N-160/320R	316/1Cr18Ni12Mo2Ti	316/1Cr18Ni12Mo2Ti				醋酸类 Acetic acid

Q61_N-160, Q661_N-160 主要外形尺寸 Connection dimension

单位Unit: mm

DN	L	L1	D	D1	H	L0
10	150	60	90	18	58	220
15	170	70	100	23	62	220
20	191	81	110	29	75	250
25	205	95	115	36	80	250
32	230	110	150	43	96	300
40	260	120	170	49	111	400
50	330	140	200	61	128	400
65	360	150	225	80	180	500
80	380	160	270	105	200	600
100	430	188	320	118	245	800

Q661_N-160, Q661_N-320 主要外形尺寸 Connection dimension

单位Unit: mm

DN	L	L1	D	D1	H	L0	气动装置 Pneumatic device
10	150	60	90	18	211	255	QD60
15	170	70	100	23	293	348	QD100
20	191	81	110	29	297	348	QD100
25	205	95	115	36	303	348	QD100
32	230	110	150	43	456	520	QD150
40	260	120	170	49	463	520	QD150
50	330	140	200	61	478	520	QD150
65	360	150	225	80	180	500	-
80	380	160	270	105	200	600	-
100	430	188	320	118	245	800	-

现代化运作模式
 Modern operation mode

高标准硬件设施
 High standard hardware facilities

严谨的管理体制
 A rigorous management system

高效的运营团队
 An efficient operational team

可持续性的发展
 Sustainable development

满足客户的需求
 Meeting customer needs


华唯机械制造有限公司
 HUAWEI MACHINERY MANUFACTURING CO., LTD.

售后服务和质量保证承诺
一、售前服务

做到技术与销售的无缝对接服务，让用户的每一次采购都有服务的体验。

- ①进行采购前产品技术沟通和交流，主动给予建议。
- ②在进行产品型号选择时考虑是否成本最低化，效率最大化。
- ③不能达到使用要求时，根据客户的特殊要求，安排设计师合理改善。

二、售中服务

尊重每位用户；给用户一份轻松，放心的整体价值服务。

- ①进行性价比：比价格，比质量，比服务，反思是否有不做到位的地方。
- ②在合作过程中，依照合同，保质保量准时交货，随时保持与用户联系。
- ③生产期间，相关技术人员可来我司进行产品监造和检验，同时，我会提供该产品的结构图及详细文件资料，来做监造文件。
- ④使用定做的产品，可协商专业技术人员亲临现场指导。
- ⑤我公司在发货前以电话进行产品型号、规格、数量、件数的确认。

三、售后服务

完善的服务铸就完美的企业让客户无后顾之忧。

- ①按合同要求提供产品的合格证、生产许可证、检验报告、安装说明书等。
- ②顾客在验收产品过程中，如出现与合同要求不符时，我司接到顾客通知后两小时内给予处理。
- ③我司提供十二个月的产品质保期，时间从验收合格之日起计算。
- ④在正确安装和使用下，出现产品质量问题，本公司将负责到底。

四、包修包换承诺

- ①在正常的储运、安装、保养、使用条件下，因产品的质量不能正常使用时，提供三包四包：保质、保量、保及时、包修、包换、包退、包损失。
- ②在接到质量信息反馈时，将在48小时内提出处理意见及解决方案。
- ③可根据用户需求协商提供备件、备件和安装、调试、维修服务。

以上四点是我公司对售后服务的承诺。竭诚欢迎广大用户指导修正，请提出宝贵意见，参照改进。真诚希望我们之间合作愉快。