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上 海 和 腾 机 械

Shanghai HETENG Machinery

HETENG全焊接球阀 FULLY WEIDED BALL VALVE



HETENG®

上海和腾机械有限公司

Shanghai HETENG Machinery Co., Ltd.

<http://www.shheteng.com>

样本编号: HF-080917-160918



企业图片



企业简介/BRIEF INTRODUCTION

上海和腾机械有限公司（前身为上海和腾阀门厂）创建于1988年，2005年改制为上海和腾机械有限公司，主要以（OEM）代加工生产全焊接球阀为主，为国内外知名阀门品牌生产高端类全焊接球阀。

公司拥有自己的球体加工车间与密封件生产车间，拥有立式数控车床、数控加工中心、全自动焊接机、等离子焊接机、全自动压力检测设备，自动抛丸机、压机等各类高精度加工与测量设备，以及健全的质量保证体系，现代化企业管理和国外先进技术的投入等优势，使其产品的质量更为完善。

公司引进了美国、德国等世界先进国家的阀门制造技术，通过吸收与完善产品性能，工艺与设计，形成拥有自主核心技术的产品，所生产的全焊接球阀在技术方面处于国内领先水平，在原材料的选购与生产中的每一道工序都有专人严格的质量监督把关，确保每台阀门在出厂前做到零缺陷零泄漏，使其每台全焊接球阀在使用寿命上可达20年以上。

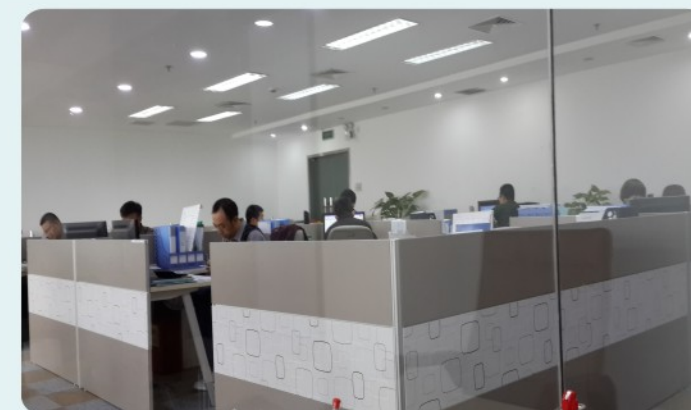
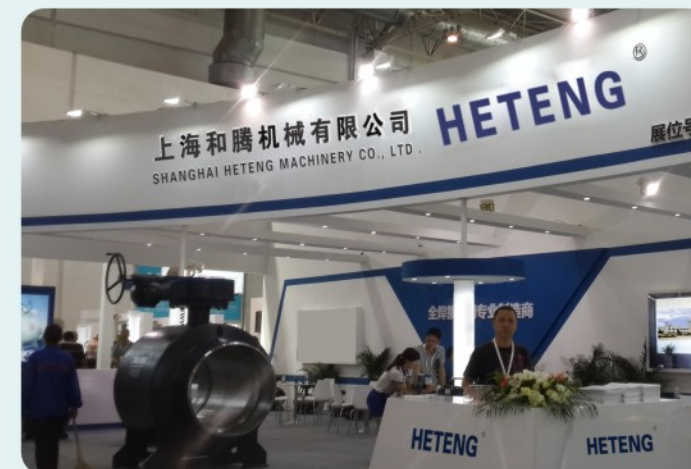
我们秉承“品质第一，诚信为本”的经营理念，始终坚持科学发展，科学管理，优质稳产，在为客户提供优质产品的同时提供最优质最真诚的服务。

Shanghai he teng machinery co., LTD. (formerly known as Shanghai he teng valve factory), founded in 1988, restructured into Shanghai in 2005 and teng machinery co., LTD To the processing (OEM) production of full welded ball valve is given priority to, for the domestic and foreign well-known brand to produce high-end kind of full welded ball valve valve.

The company has its own sphere processing workshop and packing workshop, with vertical CNC lathe, CNC machining center, automatic welding machine, etc elding machine, automatic pressure testing equipment, automatic shot blasting machine, pressing machine and other kinds of precision machining and measuring equipment, and sound quality assurance system, Modern enterprise management and the advantages of the advanced foreign technology investment, make the quality of its products more perfect.

Company introduced the United States, Germany and other countries in the world's advanced valve manufacturing technology, through the absorption and improve product performance, technology and design, formation In dependent core technology products, the production of full welded ball valve is in the domestic leading level in terms of technology, in the choose and buy of raw materials and the production of every worker There are strict quality supervision and control, to ensure that each valve do zero defect zero leakage before they go out, make its each full welded ball valve on the service life Can reach more than 20 years.

We adhering to the "quality first, integrity-based" business philosophy, always adhere to the scientific development, scientific management, high quality and stable yield, in providing customers with optimal Quality of products at the same time provide the best quality the most sincere service.



企业图片



企业图片



产品一览 Products list



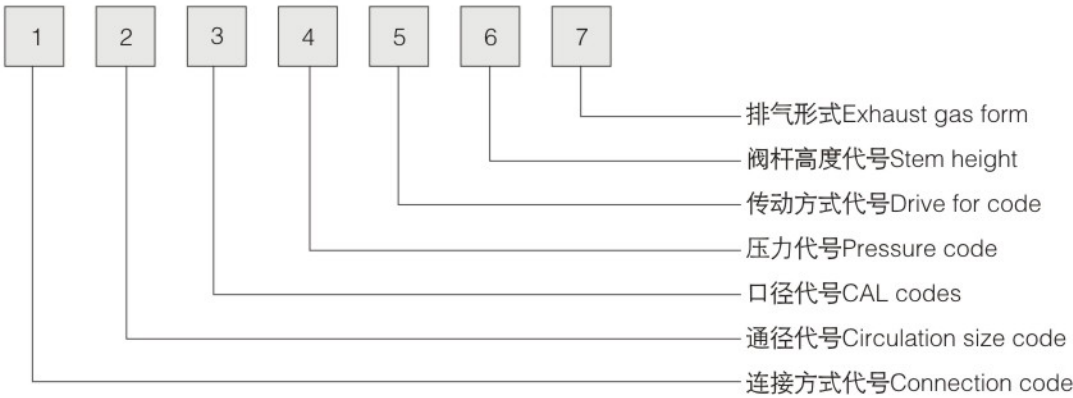
区域供热领域最佳选择，零泄漏，零维护，零配件。

Best choice for district heating field, zero leakage, zero maintenance, spare parts.



全焊接球阀型号编制说明
Full welded ball valve type description

阀门产品型号由七个单元组成按下列顺序编制
Model of valve is composed of 7 units according to below order.



一单元连接方式代号
A unit connection code

代号 Code name	连接方式 Connection mode
1	焊接式Welded
2	法兰式Flange
3	螺纹/焊接式Thread/welded
4	法兰/焊接式Flange/welded

二单元口径代号
Two unit code flow diameter

代号 Code name	口径尺寸 Diameter size
A	标准口径 Standard size
Q	全口径 Full size

三单元口径代号
Three unit diameter codes

代号 Code name	口径(mm) Diameter
50	DN50mm
1200	DN1200mm

四单元压力代号
Four unit pressure code

代号 Code name	压力 Pressure
1	1.6MPa
2	2.5MPa
4	4.0MPa
6	6.4MPa

五单元传动方式代号
Five unit transmission code

代号 Code name	传动方式 Drive
S	手柄式Handle type
T	蜗轮式Worm gear type
V	垂直蜗轮Vertical worm gear
D	电动Electric
Q	气动Pneumatic

六单元阀杆高度代号
Six unit code stem height
H表示为直埋式球阀
H is directly buried type ball valve

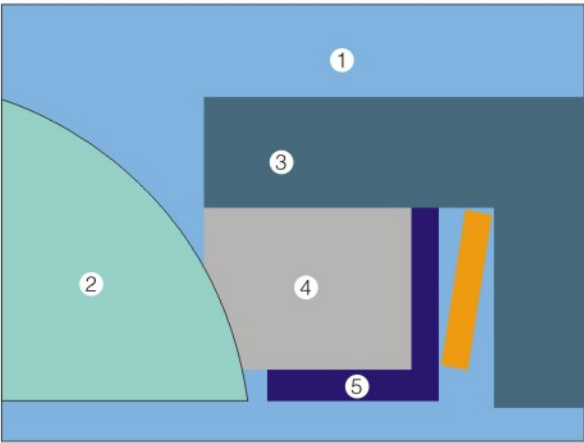
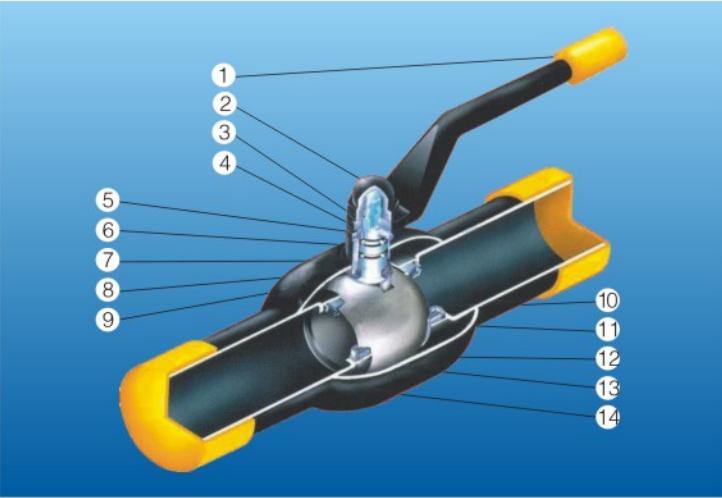
代号 Code name	阀杆高度Stem height
H3	350mm直埋式Directly buried type
H5	500mm直埋式Directly buried type
H9	900mm直埋式Directly buried type
H12	1200mm直埋式Directly buried type
H15	1500mm直埋式Directly buried type

七单元排气形式
Seven unit exhaust form

代号 Code name	形式 Form
1	单管排气 Single pipe exhaust
2	双管排气 Double exhaust

公称口径: DN15-DN1200
压力等级: 1.6-4.0MPa
适用温度: -29℃-200℃
适用介质: 水、蒸汽、煤气、油品等。
驱动方式: 手动、蜗轮、电动、气动。
使用领域: 集中供热管线、城市供暖管线、换热机组、发电厂、石油、冶金等工业管道。

Nominal diameter: DN15-DN1200
Pressure level: 1.6-4.0MPa
Applicable temperature: -29℃-200℃
Applicable medium: Water, steam, gas, oil, etc.
Drive form: Manual, worm gear, electric, pneumatic.
Using field: Central heating pipelines, urban heating pipelines, heat exchange units, power plants, petroleum, metallurgy and other industrial piping.



序号 No.	零部件名称 Name of spare parts	种类 Species	材质 Material
1	阀体 Body	钢管 Steel pipe	ASTMA53或 同等材质
2	球 Ball	不锈钢 Stainlesssteel	
3	管接头 End piece	钢管 Steel pipe	ASTMA53或 同等材质
4	密封环 Seat	碳化特氟隆 Carbonizedteflon	
5	支撑环 Support-ring	碳钢 Carben steel	AISI 1020(SN20C)

序号 No.	零部件名称 Name of spare parts	材质 Material	代号 Code name
1	手柄帽 Handle	不锈钢 Stainless steel	ABS
2	制动销 Stop pin	不锈钢 Stainless steel	304
3	垫圈 Retaining ring	不锈钢 Stainless steel	304
4	导向轴 Spindle guide	不锈钢 Stainless steel	304
5	O型圈 O-ring	氟橡胶 Fluorine rubber	VITON
6	手柄 Handle	碳钢 Carben steel	Q235
7	O型圈 O-ring	氟橡胶 Fluorine rubber	VITON

序号 No.	零部件名称 Name of spare parts	材质 Material	代号 Code name
8	阀杆 Stem	不锈钢 Stainless steel	304
9	密封圈 Seal ring	碳化特氟隆 Carbonized telfon	25%+PTFE
10	球体 Sphere	不锈钢 Stainless steel	304
11	球座 Ball seat	碳化特氟隆 Carbonized telfon	25%+PTFE
12	垫圈 The gasket	不锈钢 Stainless steel	304
13	弹性垫圈 Spring washer	合金钢 Alloy steel	SM20C
14	阀体 Body	碳钢 Carbon steel	ASTM A53

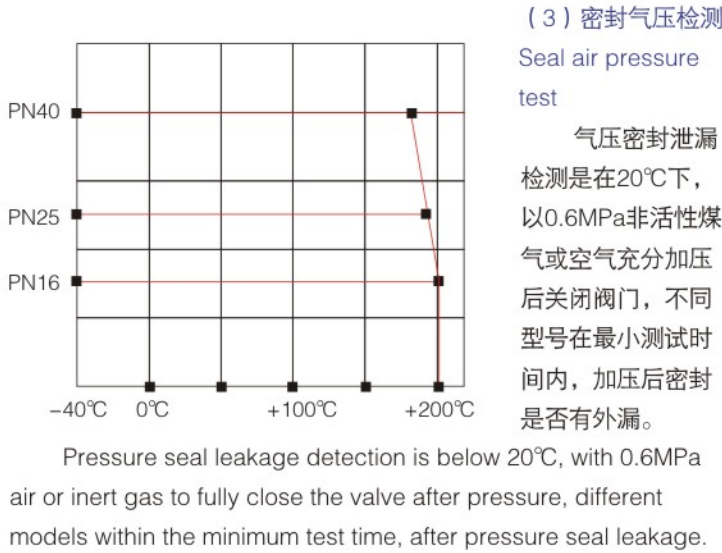
水压，气压密封检测 Hydraulic and pneumatic sealing detection

(1) 阀体水压检测 Body hydrostatic test

口径(DN)	检测压力Test Pressure	时间Time
50以下	阀门公称压力高1.5倍(20℃) The valve nominal pressure 1.5 times higher(20℃)	15s
65~200		60s
250以上		180s

(2) 密封水压检测 Sealing water pressure test

口径(DN)	检测压力Test Pressure	时间Time
50以下	阀门公称压力高1.1倍(20℃) The valve nominal pressure 1.1 times higher(20℃)	15s
65~200		30s
250~450		60s
500以上		120s



用途：

城市燃气：天然气，煤气输出管道、主干线及支线管道。
集中供热：大型供热设备输出管线。
热交换机：管道及各回路启闭。
钢铁厂：煤气、热力管道、燃料管道、流体、废气管道。
流体管道：水、油品、气体等管道。

产品特点：

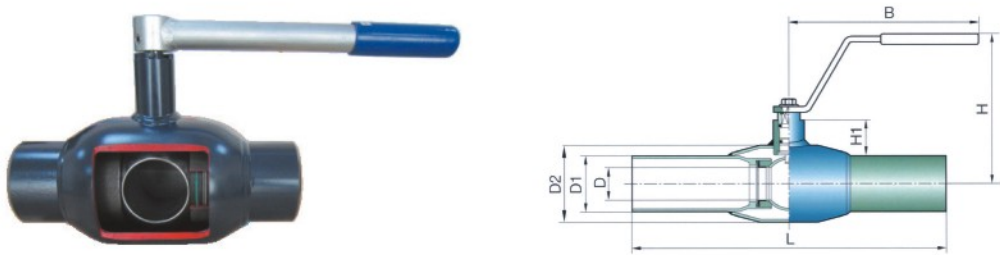
- 一、无外部泄漏
整体式全焊接结构，解决了普通阀门螺栓、垫片连接，热胀冷缩引起螺栓松动及垫片老化发生的外部泄漏；
- 二、密封可靠无泄漏
阀座采用碳化特氟隆密封环及合金钢弹簧构成，对压力和温度的变化适应力极强，在标注压力和温度范围内不会产生任何泄漏。
- 三、使用寿命30年以上
阀体与管道同材质，不会出现应力不均，也不会因车辆经过地面时而变形，与管道同寿命。
- 四、使用成本低
焊接型球阀可直接焊接在管道上，无需配套法兰，螺栓、垫片，节省了大量安装人工成本，辅料成本，更长的使用寿命，避免了定期维修，更换等维护成本。

Purpose:

City gas: natural gas, the gas output pipeline, trunk and branch pipeline.
Central heating: large output pipeline heating equipment.
Heat exchangers: piping and the opening and closing of each circuit.
Steel mills: coal gas, heat pipes, fuel pipes, fluid, gas pipeline.
Fluid pipe: water, oil, gas pipelines, etc.

Product features:

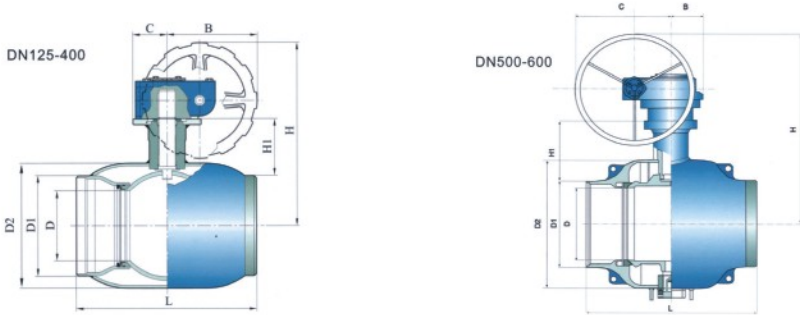
- One, no external leakage
One-piece full welded structure, solve the common valve bolts, gasket connection, heat bilges cold shrink cause the external leakage of gasket bolts looseness and ageing;
- Second, reliable sealing, no leakage
Seat with teflon seal ring and carbide alloy steel spring, resilient to changes in pressure and temperature, with pressure and temperature range will not produce any leaks.
- Three, the service life of 30 years
Valve with pipe material, won't, appear uneven stress, also won't because the vehicle after the ground deformation, and pipeline with life.
- Four, low use cost
Type welding ball valve can be welded on the pipe directly, need not mating flanges, bolts, gaskets, saving a lot of labor costs, material costs, longer service life, avoid the regular maintenance, replacement and maintenance costs.



PN25手柄式标准径对焊连接 Handle type standard diameter welded connections 单位unit: mm

DN	型号 Model	PN	L	D	D1		D2	H	B	H1	重量(kg) Weight
					(A管)	(B管)					
15	1A154S	40	230	10	21.3	18	42	64	130	55	1
20	1A204S	40	230	15	26.9	25	42	64	130	55	1
25	1A254S	40	230	20	33.7	32	48	76	160	52	1.6
32	1A324S	40	260	25	42.4	38	60	85	160	53	2.2
40	1A404S	40	300	32	48.3	45	76	95	230	50	3.5
50	1A504S	40	300	40	60.3	57	89	100	230	50	4.9
65	1A652S	25	300	50	76.1	76	114	159	300	50	7.2
80	1A802S	25	300	65	88.9	89	140	170	300	60	9.4
100	1A1002S	25	325	80	114.3	108	168	192	400	65	13.2
125	1A1252S	25	325	100	141.3	133	180	208	450	60	16
150	1A1502S	25	350	125	168.3	159	219	241	450	100	23
200	1A2002S	25	400	150	219.1	219	273	300	600	123	40

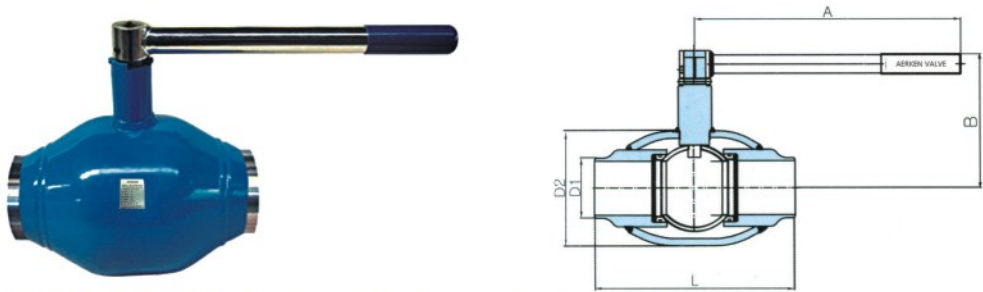
备注：DN15~DN50压力1.6MPa、2.5MPa、尺寸与4.0MPa相同，请参照上表。DN65~DN250压力1.6MPa尺寸与2.5MPa相同，请参照上表。



PN25蜗轮式标准径对焊连接 Worm gear type standard diameter welded connections 单位unit: mm

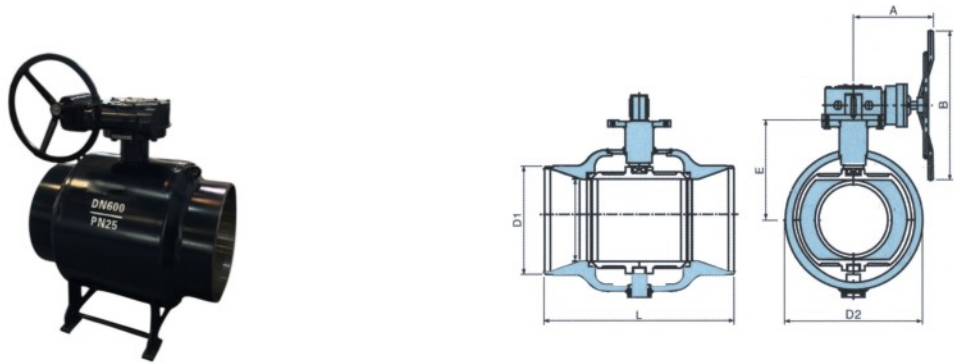
DN	型号 Model	PN	L	D	D1		D2	H	B	H1	重量(kg) Weight
					(A管)	(B管)					
125	1A1252T	25	325	100	141.3	133	180	309	145	101	21
150	1A1502T	25	350	125	168.3	159	219	330	145	107	31
200	1A2002T	25	400	150	219.1	219	273	398	196	123	52
250	1A2502T	25	560	200	273	273	356	451	236	122	105
300	1A3002T	25	635	250	323.9	325	457	572	280	155	163
350	1A3502T	25	650	300	355.6	377	508	658	325	187	259
400	1A4002T	25	760	350	406.4	426	559	757	466	221	416
450	1A4502T	25	842	350	457	480	559	780	466	245	449
500	1A5002T	25	910	450	508	530	680	810	466	211	714
600	1A6002T	25	1065	500	610	630	812	966	466	259	1103
700	1A7002T	25	1346	600	712.2	720	1016	1240	470	315	2053
800	1A8002T	25	1524	700	813	820	1095	1300	470	330	2915
900	1A9002T	25	1727	800	914	920	1237	1340	470	360	3780
1000	1A10002T	25	1900	900	1016	1020	1385	1360	470	380	5980
1200	1A12002T	25	2100	1000	1219	1220	1700	1420	550	680	8900

备注：如需DN1400及以上口径产品尺寸，我公司可另行提供。



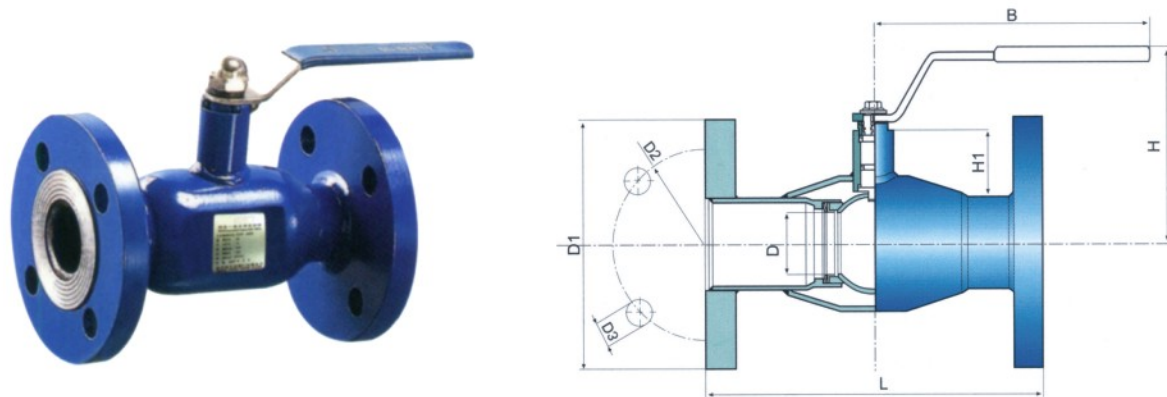
PN25手柄式全通径对焊连接 Handle type full-bore welded connections 单位unit: mm

DN	型号 Model	A	B	L	D1		D2	重量(kg) Weight
					(A管)	(B管)		
15	1Q154S	129	90	230	21.5	21.7	42.7	1.2
20	1Q204S	159	103	230	26.9	25.0	48.0	1.6
25	1Q254S	159	107	260	33.7	34.0	60.0	2.2
32	1Q324S	230	120	260	42.4	38.0	76.0	3.5
40	1Q404S	230	126	300	48.3	45.0	89.0	4.9
50	1Q504S	300	162	300	60.3	57.0	114.0	8
65	1Q652S	300	186	300	76.1	76.3	140.0	10.5
80	1Q802S	400	210	300	88.9	89.1	165.0	15
100	1Q1002S	400	214	325	114.3	108.0	180.0	17.6
125	1Q1252S	450	235	350	141.3	133.0	219.0	26
150	1Q1502S	600	280	490	168.3	159.0	273.0	44



PN25蜗轮式全通径对焊连接 Worm full-bore welded connections 单位unit: mm

DN	型号 Model	A	B	L	D1		D2	E	重量(kg) Weight
					(A管)	(B管)			
200	1Q2002T	275	400	550	219.1	219.0	356	396	120
250	1Q2502T	330	500	580	273.0	273.0	457	470	180
300	1Q3002T	336	500	630	323.9	325.0	508	539	280
350	1Q3502T	357	600	762	355.6	377.0	559	530	460
400	1Q4002T	440	700	840	406.4	426.0	660	613	720
500	1Q5002T	470	800	1010	508.0	530.0	812	730	1120
600	1Q6002T	506	900	1140	610.0	630.0	1016	848	2050
700	1Q7002T	605	800	1346	712.2	720.0	1130	908	2915
800	1Q8002T	659	900	1524	812.8	820.0	1245	1040	3780
900	1Q9002T	881	1000	1727	914.0	920.0	1433	1165	5980
1000	1Q10002T	1092	1000	1900	1016.0	1020.0	1576	1170	8900
1200	1Q12002T	1092	1000	2100	1219.0	1220.0	1939	1180	

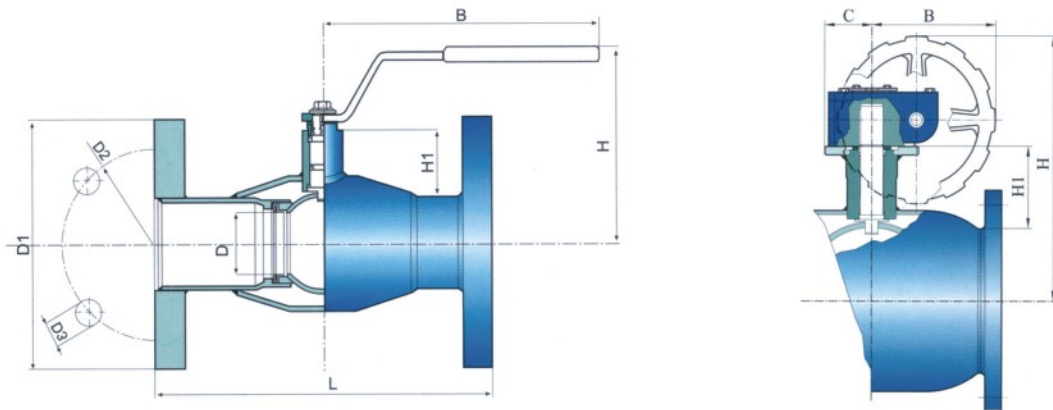


PN16手柄式标准径法兰连接 Handle type standard diameter flange connection 单位unit: mm

						D3				
15	2A154S	130	10	95	65	14	98	145	22	2.4
20	2A204S	150	15	105	75	14	103	145	23	2.8
25	2A254S	160	20	115	85	14	118	145	34	3.8
32	2A324S	180	25	140	100	18	121	145	33	5.4
40	2A404S	200	32	150	110	18	120	190	43	7.5
50	2A504S	230	40	165	125	18	127	190	44	10
65	2A651S	270	50	185	145	18	159	280	62	13
80	2A801S	310	65	200	160	18	171	280	68	16.8
100	2A1001S	345	80	220	180	18	218	280	101	22.8
125	2A1251S	345	100	250	210	18	252	400	101	28.8
150	2A1501S	370	125	285	240	22	272	600	107	39
200	2A2001S	420	150	340	295	22	300	900	123	60

PN25手柄式标准径法兰连接 Handle type standard diameter flange connection 单位unit: mm

						D3				
65	2A652S	310	50	185	145	18	159	280	61	13.6
80	2A802S	310	65	200	160	18	171	280	68	17.4
100	2A1002S	345	80	235	190	22	218	280	102	25.2
125	2A1252S	345	100	270	220	26	252	400	101	32.4
150	2A1502S	370	125	300	250	26	272	600	107	44
200	2A2002S	420	150	360	310	26	300	900	123	69



PN16蜗轮式标准径法兰连接 Worm gear type standard diameter flange connection 单位unit: mm

DN	型号 Model	L	D	D1	D2	D3	H	B	C	H1	重量(kg) Weight
125	2A1251T	345	100	250	210	18	309	145	50	101	34
150	2A1501T	370	125	285	240	22	330	145	50	107	47
200	2A2001T	420	150	340	295	22	398	196	75	123	72
250	2A2501T	580	200	405	355	26	451	236	100	122	138
300	2A3001T	655	250	460	410	26	572	280	193	155	200
350	2A3501T	670	300	520	470	26	658	231	155	187	306
400	2A4001T	780	350	580	525	30	757	325	150	221	478
500	2A5001T	930	400	715	650	33	810	466	175	211	824
600	2A6001T	1090	500	840	770	36	966	325	150	259	1265

PN25蜗轮式标准径法兰连接 Worm gear type standard diameter flange connection 单位unit: mm

DN	型号 Model	L	D	D1	D2	D3	H	B	C	H1	重量(kg) Weight
125	2A1252T	345	100	270	220	26	309	145	50	101	37.5
150	2A1502T	370	125	300	250	26	330	145	50	107	52
200	2A2002T	420	150	360	310	26	398	196	75	123	81
250	2A2502T	580	200	425	370	30	451	236	100	122	143
300	2A3002T	655	250	485	430	30	572	280	193	155	215
350	2A3502T	670	300	555	490	33	697	325	150	187	327
400	2A4002T	780	350	620	550	36	764	466	175	221	506
500	2A5002T	930	400	730	660	36	810	466	175	211	848
600	2A6002T	1090	500	845	770	39	973	466	175	259	1293

全焊接过滤球阀
Full welded ball valve filter

特点说明:

整体式焊接球阀，不会有外部泄漏现象。
阀座由碳化特氟龙密封环及弹簧构成，对压力和温度变化适应能力强，在标注压力和温度范围内不会产生任何泄漏。
球体的加工过程由先进的计算机检测仪跟踪监测，球体的加工密度高。
密封环采用含量25%Carbon碳素的C-PTFE材质，保障完全无泄漏。
与同类相同规格产品相比，阀体小，重量轻，外形美观，使用寿命长。
阀体、球体及边阀体均采用有缝钢管压制成形。阀杆处采用双道“O型圈”密封，并且具有防吹出功能。
过滤网与球体合为一体，滤网球阀连接在管道中本身有过滤功能，可以替代过滤器进行使用，起到一阀多用的效果，节省了管道安装空间及运营成本，可以阻拦直径大于4.5mm的杂质通过。
滤网采用坡型口设计，保障阀门在阻断杂质颗粒情况下介质正常通过，阀门正常工作。采用泄压阀设计，可调节阀体内外压差，提高阀门安全性能，同时可采用螺纹球阀替代泄压阀，操作更省时、省力、方便、灵活。

零部件名称 Part name	材 质 Texture of material
阀体The valve body	碳钢Carbon steel
球体Sphere	不锈钢Stainless steel
滤网Filter	不锈钢Stainless steel
排污盖Drain cover	碳钢Carbon steel
短接管Nipples	碳钢Carbon steel
阀座The valve seat	PTFE+C

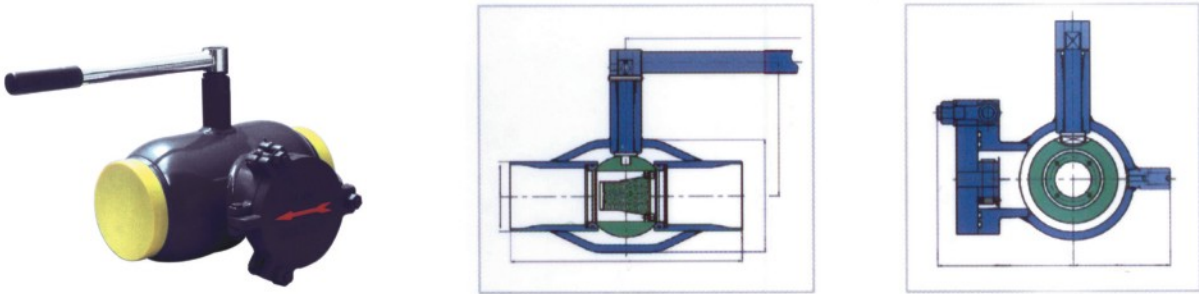
技术参数

公称通径: DN65–DN350
公称压力: PN1.6–PN6.4 MPa
使用温度: –29℃–200℃
操作方式: 手动、齿轮、电动、气动
使用范围: 供热管网、污水处理、空调管网、发电厂、石油管线等工业管线领域。
使用介质: 水、气、油等无腐蚀性介质。

Characteristic description:
Integral welded ball valve, no external leakage.
Teflon sealing ring seat by carbonization and springs of the pressure and temperature changes, strong ability to adapt, not in the annotation of pressure and temperature range to produce any leakage.
The process of detecting instrument ball by advanced computer monitoring, processing of high desity sphere.
The sealing ring is used in the C-PTFE 25%Carbon carbon material, ensure no leakage.
Compared with similar products, the same specifications of small body, light weight, beautiful appearance, long service life.
The valve body, ball and valve body adopts the seamed steel pipe forming. The valve stem with double "O" seal, and blow out roof function.
The filtering net and the ball into one ball valve, strainer is connected in the pipeline itself has a filtering function, can replace the filters are used, to a valve with multipe effect, saves the installation space and cost, can be blocked by impurities in diameter is more than 4.5mm.
Port design using slope protection block valve in the medium filter, normally through the impurity particles, valve normal work. The pressure relief valve design, can adjust the valve pressure difference between inside and outside of the valve, to improve the safety performance, and can be used to replace the valve pressure relief valve, the operation more convenient, time-saving and labor-saving, flexible.

Technical parameters
Nominal diameter: DN65–DN350
Nominal pressure: PN1.6–PN6.4 MPa
Using the temperature of –29℃–200℃
Mode of operation: the handle, gear, electric, pneumatic
Scope of application: heating pipe network, sewage treatment, air conditioning system, power plant, oil pipelines and other industrial areas of the pipeline.
Using the medium: water, gas, oil and other non corrosive medium.

标准径焊接式过滤球阀
Standard Regular Bore Welded Strainer Ball Valve

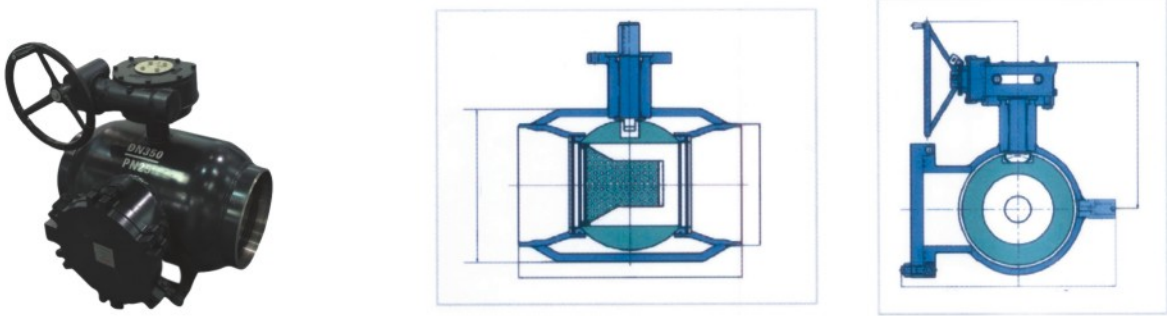


PN25手柄式标准径焊接式过滤球阀
PN25 handle type standard diameter welded ball valve filter

单位unit: mm

DN	型号 Model	A	L	L1	L2	D		D1	H	重量(kg) Weight
						(A管)	(B管)			
65	G1A652S	300	360	176	144	76.1	76	140	186	12
80	G1A802S	400	370	204	127	88.9	89	165	210	13
100	G1A1002S	400	380	204	127	114.3	108	165	210	22
125	G1A1252S	400	385	210	135	141.3	133	180	214	32
150	G1A1502S	450	400	245	155	168.3	159	219	220	48

备注: 订货时请确认尺寸。



PN25蜗轮式标准径焊接式过滤球阀
PN25 worm type standard diameter welding filter valve

单位unit: mm

DN	型号 Model	A	L	L1	L2	D		D1	H	重量(kg) Weight
						(A管)	(B管)			
200	G1A2002T	198	400	270	178	219.1	219	267	318	74
250	G1A2502T	225	560	332	222	273	273	356	395	165
300	G1A3002T	245	740	407	282	323.9	325	457	467	240
350	G1A3502T	319	800	455	455	355.6	377	508.0	540	395

备注: 订货时请确认尺寸。

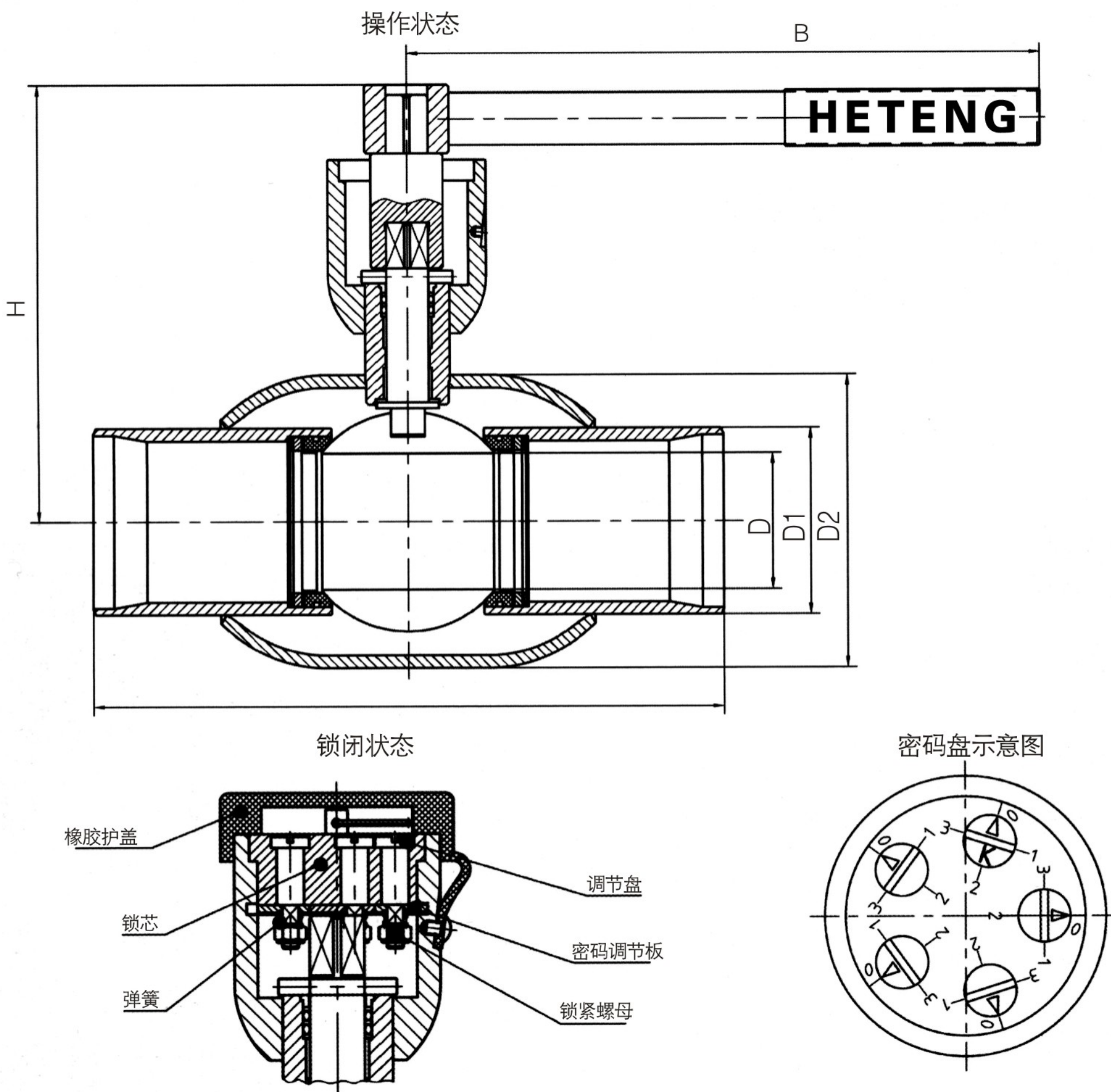
密码锁闭球阀 Password lock ball valve

◆概述:

密码锁闭球阀由阀体、阀芯、阀杆，和锁闭机构构成，对采暖、供水系统一户一组可以控制通断，非破坏性不能开启，实现有效控制的一种特殊功能阀门。

◆Summary:

Password lock ball valve by valve body, valve core, valve stem, and a locking mechanisms, for heating, water supply system is one of a set of controls on and off, non-destructive cannot open, realize effective control of a special function of the valve.



规格	型号 Model	PN	L	D	D1		D2	H	B	重量(kg) Weight
					(A管)	(B管)				
DN50	S1A504S	40	300	40	60.3	57	89	175	300	6.3
DN65	S1A652S	25	300	50	76.1	76	114	183	300	7.5
DN80	S1A802S	25	300	65	88.9	89	140	200	300	8.6
DN100	S1A1002S	25	325	80	114.3	108	168	224	400	13.3
DN125	S1A1252S	25	325	100	141.3	133	180	237	450	18.3
DN150	S1A1502S	25	350	125	168.3	159	219	287	450	26.3
DN200	S1A2002S	25	400	150	219.1	219	273	345	600	41.3

◆用途:

- 1: 带密码锁阀门安装后，打开顶部橡胶防护盖，以有字母 K 为首位顺时针依次对好密码，拿出锁芯，套入专用扳手，顺时针关，逆时针开。
- 2: 防盗：由于专用扳手与阀杆无固定机械连接，操作完将专用扳手取下带走，将锁芯放入锁座内，然后拨乱密码号，可起到误操作与防盗功能，便于控制、管理。

第一步：原始状态
Step 1: the original state



第二步：找正密码，取出密码盖
The second Step: find password, take out the password



第三步：进行开-关操作
The third step: on-off operation



◆Purpose:

- 1: take combination lock after installation of valve, open the top rubber protective cover, in order to have the letter K for the first clockwise ordinal for good password, Take out the lock core, set up special wrench, clockwise, counterclockwise to open.
- 2: anti-theft: due to the special spanner and stem without fixed mechanical connection, after the operation will be special wrench removed away, and will belock into the lock inside, and then dial the number password, can have wrong operation and anti-theft function, easy to control and management.

第四步：装回密码盖，拨乱密码
Step4: install password back cover, strumming password



直埋式对焊球阀
Directly buried type welded ball valve

特点说明：直埋式球阀主要用于供热系统中，热水、蒸汽管道上。可根据客户现场管道的埋地深度，来设计不同的阀杆高度，为方便施工阀门可在出厂前按用户要求在阀体外表面预支保温。

公称通径：DN200-DN1200

压力等级：1.6-2.5MPa

适用温度：-29℃-200℃

适用介质：水、蒸汽、油品等。

驱动方式：手动、蜗轮、电动、气动。

Nominal diameter: DN200-DN1200

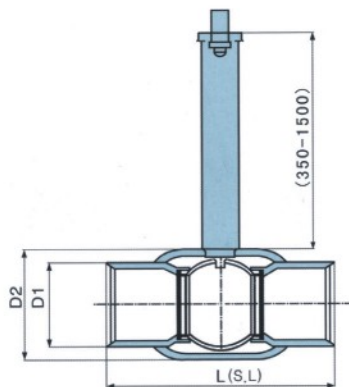
Pressure level: 1.6-2.5MPa

Applicable temperature: -29℃-200℃

Applicable medium: Water, steam, oil, etc.

Drive form: Manual, worm gear, electric, pneumatic.

Characteristics: buried type ball valve is mainly used in heating system, hot water, steam pipe. Can according to customer's site pipeline buried depth, to design different stem height, for the convenience of construction valve can be according to the request of users before they go out in the body exterior surface insulation in advance.



PN25标准径直埋式对焊球阀 Standard diameter directly buried welded ball valve

单位unit: mm

DN	型号 Model	D1		D2	L	
		(欧标)	(国标)		S	L
50	1A502TH	60.3	57.0	89	300	1000
65	1A652TH	76.1	76.3	114	300	1000
80	1A802TH	88.9	89.1	140	300	1000
100	1A1002TH	114.3	108.0	165	325	1000
125	1A1252TH	141.3	133.0	180	325	1000
150	1A1502TH	168.3	159.0	219	350	1000
200	1A2002TH	219.1	219.1	267	400	1000
250	1A2502TH	273.1	273.1	355	560	1000
300	1A3002TH	323.9	323.9	457	635	1100
400	1A4002TH	406.4	426.0	558	760	1360
500	1A5002TH	508.0	530.0	660	910	1510
600	1A6002TH	610.0	630.0	812	1065	1660
700	1A7002TH	712.2	720.0	1016	1346	1940
800	1A8002TH	813.0	820.0	1095	1524	2120
900	1A9002TH	914.0	920.0	1237	1727	2320

备注：S表示焊接管外壁至保温层外壁尺寸。直埋式阀杆高度请参照此样本第21-22页。

Note: S for welded pipe size of the outer wall of the outer wall to the thermal insulation layer. Directly buried type stem height, please refer to the sample page 21-22.

燃气全焊接球阀简介
The gas full welded ball valve

用途：HETENG全焊接球阀，主要用于城市燃气的地下管线，天然气输送管线，调压站等领域。

结构特点：由于阀门的整体结构采用全焊接结构，使阀门的内、外密封得到了极大的提高，阀门重量得到了很大的降低。使阀门安装更便捷，不仅减低了施工成本，也节省了施工时间。

操作特点：可以直接深埋地下，不用设置地下阀门控制室，只需在地上用T型手柄进行传动操作即可，避免了设置地下阀门控制室而存在的安全隐患。

主要性能

公称通径：DN50-DN900

压力等级：1.6-2.5MPa

适用温度：-29℃-200℃

适用介质：煤气、天然气等。

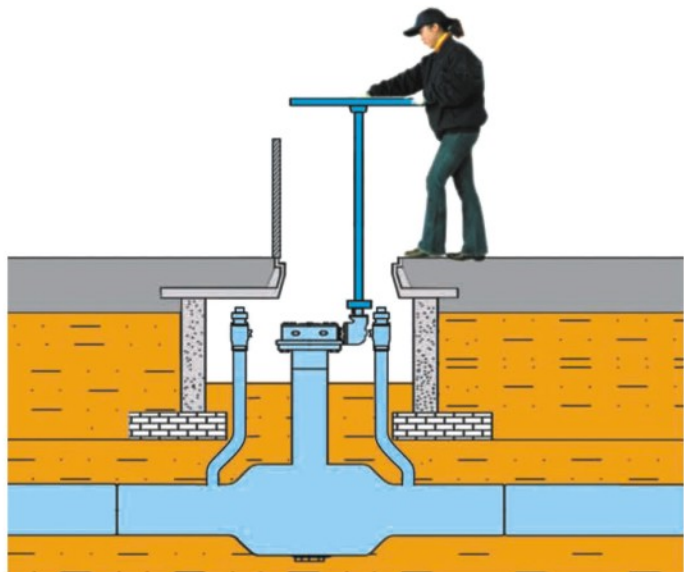
驱动方式：手动、蜗轮、电动、气动。

使用领域：城市煤气管道、燃气管道、各种燃气管网等。

HETENG地下直埋式球阀施工图

由于城镇道路非常复杂，车辆人员密集。在施工和维护燃气管道时，对施工时间和施工安全的要求非常高。采用焊接球阀可以直埋地下，减少阀门控制室所占空间，节约施工费用及工程时间。并且能预防煤气爆炸的危险，全焊接式球阀非常安全的阀门，也是您的最佳选择。

见图：



Purpose: HETENG full welded ball valves, are mainly used in city gas underground pipeline, gas pipeline, the gas station, etc.

Structure features: due to the overall structure of the valve adopts full welded structure, make the valve inside and outside of the seal is increased greatly, the valve has much lower weight. Make the valve installation is more convenient, not only reduced the construction cost, also save construction time.

Operating characteristics: can be directly buried deep underground, underground valve control, without setting just t-handle for transmission operation can be used on the ground, to avoid the hidden trouble in security control room and set up underground valve.

The main function

Nominal diameter: DN50-DN900

Pressure level: 1.6-2.5MPa

Applicable temperature: -29℃-200℃

Applicable medium: Coal gas, natural gas, etc.

Drive form: Manual, worm gear, electric, pneumatic.

Using field: City gas pipes, gas pipes, all kinds of gas pipeline network, etc.

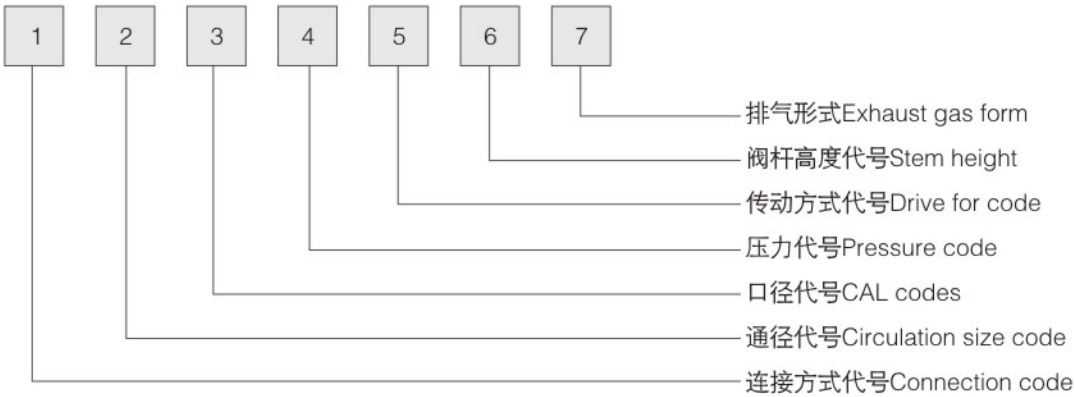
HETENG underground buried type ball valve construction drawing

Due to the urban road is very complicated, people crowded. In the construction and maintenance of gas pipeline, the construction time and construction safety requirement is very high. Welding ball valve can be directly buried underground, reduce the valve of control room space, saving construction cost and project time. And can prevent the danger of gas explosion, full welded ball valves type very safe valve, is also the best choice for you.

As shown in figure:

燃气用全焊接球阀型号编制说明
The welding ball valve model is compiled with full gas

阀门产品型号由七个单元组成按下列顺序编制
Model of valve is composed of 7 units according to below order.



一单元连接方式代号
A unit connection code

代号 Code name	连接方式 Connection mode
1	焊接式Welded
2	法兰式Flange
3	螺纹/焊接式Thread/welded
4	法兰/焊接式Flange/welded

二单元通径代号
Two unit code flow diameter

代号 Code name	通径尺寸 Diameter size
A	标准口径 Standard size
Q	全通径 Full size

三单元口径代号
Three unit diameter codes

代号 Code name	口径(mm)
50	DN50mm
1200	DN1200mm

四单元压力代号
Four unit pressure code

代号 Code name	压力 Pressure
1	1.6MPa
2	2.5MPa
4	4.0MPa
6	6.4MPa

五单元传动方式代号
Five unit transmission code

代号 Code name	传动方式 Drive
S	手柄式Handle type
T	蜗轮式Worm gear type
V	垂直蜗轮Vertical worm gear
D	电动Electric
Q	气动Pneumatic

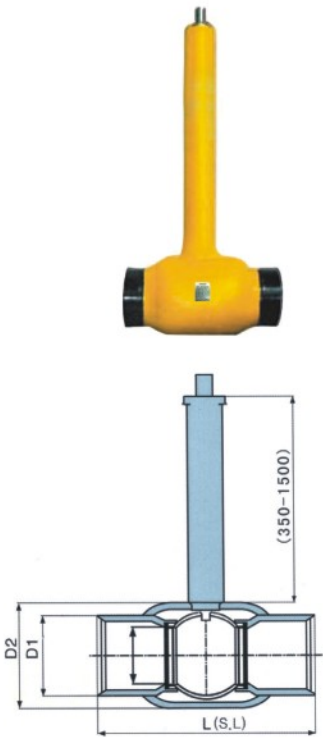
六单元阀杆高度代号
Six unit code stem height
H表示为直埋式球阀
H is directly buried type ball valve

代号 Code name	阀杆高度Stem height
H3	350mm直埋式Directly buried type
H5	500mm直埋式Directly buried type
H9	900mm直埋式Directly buried type
H12	1200mm直埋式Directly buried type
H15	1500mm直埋式Directly buried type

七单元排气形式
Seven unit exhaust form

代号 Code name	形式 Form
1	单管排气 Single pipe exhaust
2	双管排气 Double exhaust

燃气用直埋式球阀 Ball valve for buried gas



PN25标准径直埋式球阀
Standard diameter directly buried valve

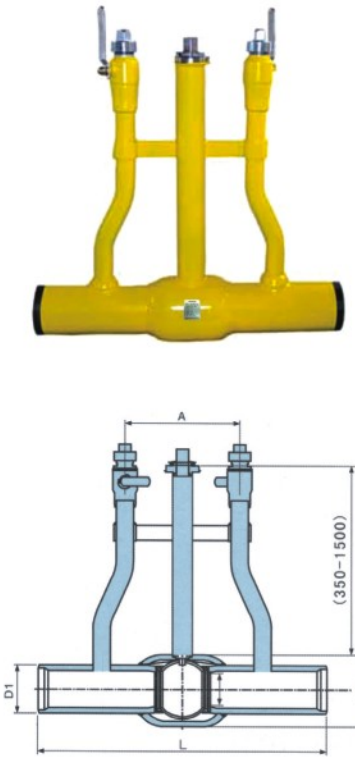
单位unit: mm

DN	型号 Model	D1		D2	L	
		(欧标)	(国标)		S	L
50	1A502SH	60.3	57.0	89	300	1000
65	1A652SH	76.1	76.3	114	300	1000
80	1A802SH	88.9	89.1	140	300	1000
100	1A1002SH	114.3	108.0	165	325	1000
125	1A1252SH	141.3	133.0	180	325	1000
150	1A1502SH	168.3	159.0	219	350	1000
200	1A2002VH	219.1	219.1	273	400	1000
250	1A2502VH	273.1	273.1	355	560	1000
300	1A3002VH	323.9	323.9	457	635	1100
400	1A4002VH	406.4	426.0	558	760	1360
500	1A5002VH	508.0	530.0	660	910	1510
600	1A6002VH	610.0	630.0	812	1065	1660
700	1A7002VH	711.0	720.1	1016	1346	1940
800	1A8002VH	813.0	820.0	1130	1524	2120
900	1A9002VH	914.0	920.0	1245	1727	2320

备注: S表示焊接管外壁至保温层外壁尺寸。直埋式阀杆高度请参照此样本第21-22页。
Note: S for welded pipe size of the outer wall of the outer wall to the thermal insulation layer.
Directly buried type stem height, please refer to the sample page 21-22.

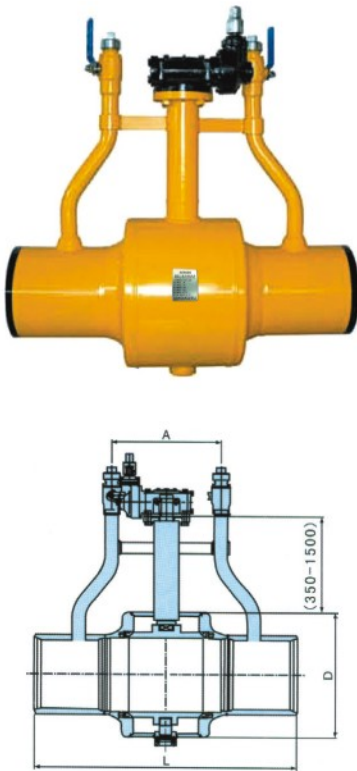
PN25标准径排气直埋式球阀
Standard diameter directly buried valve exhaust

单位unit: mm



DN	型号 Model	A	D1		D2	L
			(欧标)	(国标)		
50	1A502SH2	300	60.3	57.0	89	1000
65	1A652SH2	300	76.1	76.3	114	1000
80	1A802SH2	300	88.9	89.1	140	1000
100	1A1002SH2	300	114.3	108.0	165	1000
125	1A1252SH2	400	139.7	133.0	180	1000
150	1A1502SH2	400	168.3	159.0	219	1000
200	1A2002VH2	400	219.1	219.1	273	1000
250	1A2502VH2	500	273.1	273.1	355	1000
300	1A3002VH2	500	323.9	323.9	457	1100
350	1A3502VH2	500	355.6	377.0	508	1250
400	1A4002VH2	500	406.4	426.0	558	1360
450	1A4502VH2	500	457.0	478.0	558	1440
500	1A5002VH2	600	508.0	530.0	660	1510
600	1A6002VH2	650	609.6	630.0	812	1660
700	1A7002VH2	700	712.2	720.0	1016	1940
800	1A8002VH2	800	812.8	820.0	1095	2120
900	1A9002VH2	800	914.4	920.0	1245	2400

备注: S表示焊接管外壁至保温层外壁尺寸。直埋式阀杆高度请参照此样本第21-22页。
Note: S for welded pipe size of the outer wall of the outer wall to the thermal insulation layer.
Directly buried type stem height, please refer to the sample page 21-22.



PN25全口径排气直埋式球阀
Full diameter directly buried valve

单位unit: mm

DN	型号 Model	A	L	D
50	1Q502SH	300	1000	114
65	1Q652SH	300	1000	140
80	1Q802SH	300	1000	165
100	1Q1002SH	300	1000	180
125	1Q1252TH	400	1000	219
150	1Q1502TH	400	1000	273
200	1Q2002VH	400	1100	356
250	1Q2502VH	500	1100	457
300	1Q3002VH	500	1230	508
400	1Q4002VH	500	1550	660
500	1Q5002VH	600	1700	812
600	1Q6002VH	700	2000	1016
700	1Q7002VH	700	2195	1130
800	1Q8002VH	800	2300	1245
900	1Q9002VH	900	2550	1415

备注：S表示焊接管外壁至保温层外壁尺寸。直埋式阀杆高度请参照此样本第21-22页。
Note: S for welded pipe size of the outer wall of the outer wall to the thermal insulation layer.
Directly buried type stem height, please refer to the sample page 21-22.



PN25全口径直埋式球阀
Full size exhaust direct-buried ball valve

单位unit: mm

DN	型号 Model	L	D1		D2
			(欧标)	(国标)	
50	1Q502SH2	300	60.3	57.0	114
65	1Q652SH2	300	76.1	76.3	140
80	1Q802SH2	300	88.9	89.0	165
100	1Q1002SH2	325	114.3	108.0	180
125	1Q1252TH2	350	139.7	133.0	219
150	1Q1502TH2	490	168.3	159.0	273
200	1Q2002VH2	580	219.1	219.1	356
250	1Q2502VH2	550	273.0	273.1	457
300	1Q3002VH2	630	323.9	325.0	508
350	1Q3502VH2	762	355.6	377.0	559
400	1Q4002VH2	838	406.4	426.0	660
500	1Q5002VH2	970	508.0	530.0	812
600	1Q6002VH2	1140	630.0	630.0	1016
700	1Q7002VH2	1346	711.0	720.0	1130
800	1Q8002VH2	1524	813.0	820.0	1245
900	1Q9002VH2	1727	914.0	920.0	1415

备注：S表示焊接管外壁至保温层外壁尺寸。直埋式阀杆高度请参照此样本第21-22页。
Note: S for welded pipe size of the outer wall of the outer wall to the thermal insulation layer.
Directly buried type stem height, please refer to the sample page 21-22.

标准径直埋式球阀阀杆高度表
Standard straight buried type ball valve stem altimeter

标准径T型手柄式 Standard size T handle type

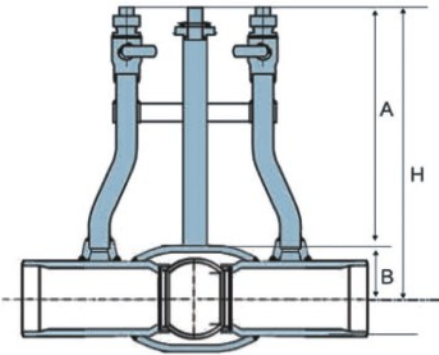
DN	A A=H(最小)-B	B	双排气H 最小	双排气H 最大
50	465.45	44.55	510	1,000
65	492.85	57.15	550	1,000
80	480.10	69.90	550	1,000
100	507.40	82.60	590	1,200
125	530.00	90.00	620	1,200
150	645.45	109.55	755	1,200

注：T型手柄无排气式阀杆高度为：B<H≤1200mm
Note: T handle stem height is without exhaust type: B<H≤1200mm

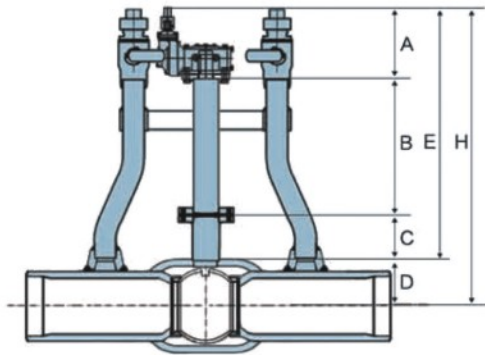
标准径垂直齿轮式 Standard diameter vertical gear type

DN	A	B B=H(最小)-A-C-D	C	D	E E=H(最小)-D	双排气H 最小	双排气H 最大
200	253.55	302.45	105.30	133.70	661	795	1,500
250	256.00	276.70	124.50	177.80	657	835	1,500
300	256.00	212.40	128.00	228.60	596	825	1,500
350	279.00	285.00	127.00	254.00	691	945	2,000
400	288.50	399.50	137.60	279.40	826	1105	2,000
450	288.50	399.50	137.60	279.40	826	1105	2,000
500	315.00	370.50	139.50	330.00	825	1155	2,000
600	336.00	364.00	173.60	406.40	874	1280	2,500
700	336.00	396.50	189.50	508.00	922	1430	2,500
800	543.00	402.00	150.00	565.00	1095	1660	3,000

注：垂直齿轮无排气式阀杆最低高度H为：A+C+D
Note: Vertical gear without exhaust type stem height H as the lowest: A+C+D



标准径T型手柄式 Standard size T handle type



标准径垂直齿轮式 Standard diameter vertical gear type

全通径直埋式球阀阀杆高度表
All pass straight buried type ball valve stem altimeter

通径T型手柄式 Size T handle type

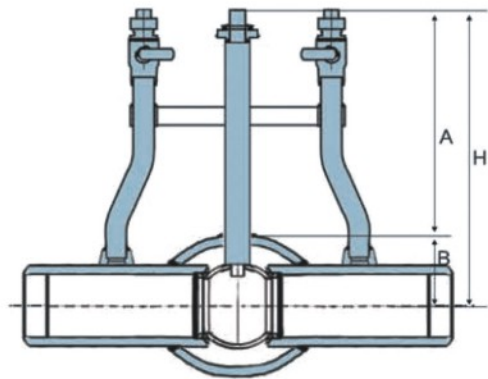
DN	A A=H(最小)-B	B	双排气H 最小	双排气H 最大
50	472.85	57.15	530	1,000
80	507.40	82.60	590	1,200
100	520.00	90.00	610	1,200
125	525.45	109.55	635	1,200

注：T型手柄无排气式阀杆高度为：B<H≤1200mm
Note: T handle stem height is without exhaust type: B<H≤1200mm

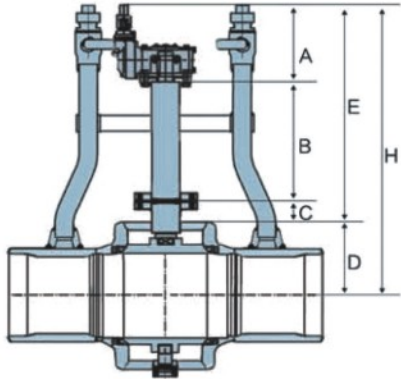
通径垂直齿轮式 Sizing vertical gear type

	A	B B=H(最小)-A-C-D	C	D	E E=H(最小)-D	双排气H 最小	双排气H 最大
150	253.55	387.45	105.30	133.70	746.30	880	1,500
200	256.00	341.70	124.50	167.80	722.20	890	1,500
250	256.00	212.40	128.00	228.60	596.40	825	1,500
300	279.00	242.00	180.00	254.00	701.00	955	2,000
350	288.50	362.50	137.60	279.40	788.60	1068	2,000
400	315.00	325.40	139.60	330.00	780.00	1110	2,000
450	315.00	325.40	139.60	330.00	780.00	1110	2,000
500	336.00	318.00	173.60	406.40	827.60	1234	2,500
600	336.00	266.50	189.50	508.00	792.00	1300	2,500
700	543.00	332.00	150.00	565.00	1025.00	1590	3,000

注：垂直齿轮无排气式阀杆最低高度H为：A+C+D
Note: Vertical gear without exhaust type stem height H as the lowest: A+C+D



通径T型手柄式 Size T handle type



通径垂直齿轮式 Sizing vertical gear type

标准径焊接球阀与蝶阀KV值对照表
Strandard diameter welding ball valve and butterfly valve KV value table

阀门口径	球阀	蝶阀
DN80	315	263
DN100	470	430
DN125	830	740
DN150	1150	960
DN200	1750	1520
DN250	3200	2860
DN300	4600	3900
DN350	9600	7200
DN400	13300	9800
DN450	13300	12100
DN500	18700	15600
DN600	32000	22700
DN700	42000	31300
DN800	55000	40700
DN900	71800	46100
DN1000	92490	56900
DN1200	112900	65000

全焊接钢制球阀安装注意事项

All welded steel ball valve installation precautions

1. 拆去两端的保护盖，检查阀孔是否有故障、是否干净，如有异物清理干净，避免沟槽和球体之间的异物损坏阀座密封面。

The protection of the 1 ends of the cover removed, check valve hole whether a failure, such as a foreign body is clean, clean, avoid foreign body between the groove and the ball valve seat sealing surface damage.

2. 试着打开和关闭球阀几次，确认球阀能否正常工作。

2 try to open and close the valve several times, to confirm the valve can work normally.

3. 在将球阀安装至管线之前，应将管子焊接表面擦拭干净。安装球阀时，不用特别注意球阀的安装方向(任一端都可安装在上游端)。

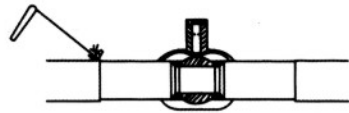


图1

4. 将焊接的球阀打开，避免在焊接过程中焊渣进入阀内。

3 before the ball valve mounted to the pipeline, pipe welding surface should be clean sweep clean. In stall the valve, need not pay special attention to the installation direction valve (Ren - kick can be installed at the upstream end).

5. 水平安装时，阀门必须完全打开，避免焊接时的电火花伤及球体表面。

4 the welded ball valve open, to avoid in the process of welding welding slag into the valve.

(图1); 当在垂直客道上安装时，如果焊接上接口，阀门必须完全打开。

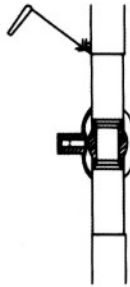


图2

(图2); 如果焊接下接口，阀门必须完全关闭，以免阀门内部被高热灼伤(图3)。

5 horizontal installation, the valve must be opened completely, avoid injuries EDM welding ball surface. (Figure 1), when installed in vertical passenger road, if the welding on the interface, the valve must be fully open. (Figure 2), if the weld interface, the valve must be completely closed, so that the valve internal heat burns (Figure 3).

6. 焊接完成后，等阀门完全冷却后再进行阀门开关操作。

6 after the completion of welding, the valve to cool completely before the operation of the valves.

7. 当安装蜗轮蜗杆执行机构时(阀门尺寸DN200及以上或特殊定制)，先根据阀门开关位置，参照箭头指示方向(shut关, open开)调整执行机构开度位置，使执行机构箭头指示开关方向与阀门开关位置保持一致；将执行机构与阀体的标准法兰正确对接，并适当调整限位螺栓(打开底部黑色保护帽，松动固定螺母，用适合的扳手调整限位螺栓，完成后上紧固定螺母，安装好黑色保护帽)的位置使阀门可以完全关闭和打开，可以参考箭头指示方向(箭头必须完全水平或垂直)。

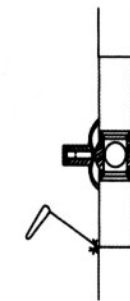


图3

7 when installing the turbine scroll rod actuator (valve size DN200 and above or special custom), according to the position of valves, with reference to the direction of the arrow (shut, open) to adjust the actuator position of opening, the executing agency arrow direction switch and valve position consistent standard flange execution; mechanism and the body of the correct docking, and adjust the limit bolt (open bottom black cap, loose nut, a limit bolt, using a wrench for tightening adjustment after the completion of the fixed nut, install the black cap) position of the valve can be closed and opened, can refer to the direction of the arrow (arrow must totally horizontal or vertical).

一、阀门吊装

1. 应采用正确的方式吊装阀门，使阀体支撑负荷。

警告： 其它凸出部件上。支耳和阀门端颈为系吊链的正确位置，请切勿将吊链系于手轮、齿轮箱或执行器。

2. 如果阀门上装配有吊耳，则应用吊耳吊装阀门。

3. 在吊装阀门期间应使阀门端部保护盖保持在原位。只有当阀门安装完毕后，才可移去保护盖。

警告： 在吊装时，请注意保护阀门端面及阀门配件不受损坏，否则将导致阀门受损。

阀门位置

阿尔肯球阀可安装在任何位置，阀门的任何一端均可作为上游端。

球阀的保护

警告： 在安装阀门时，球阀球应保持在全开位，否则将导致阀门的损坏。

如果在阀门安装时，球阀必须保持在关位，请将暴露在外的球阀表面涂上油脂。这样可保护球阀不被飞溅的焊渣损坏。

警告： 请勿长时间将阀门放置在半开位状态。

One, the valve lift

1 should be the correct way to lifting the valve, the valve support load.

Warning: the other convex parts. Lugs and the valve end neck is the correct position, the chain, please do not the chain on the hand wheel, gear or actuator.

2 if the valve is equipped with hanging ears, application of lug lifting valve.

3 in the lifting valve during the valve end cover should be maintained in situ. Only when the valve is installed, it can remove the protection cap.

Warning: when lifting, please pay attention to the protection of the valve end and valve fittings are not damaged, otherwise it will cause damage to the valve.

Valve position

Alken ball valve can be installed in any position, any end of valve can be used as the upstream end.

To protect the valve ball

Warning: in the installation of the valve, the valve ball should remain in the fully open position, otherwise it will cause damage to the valve.

If installed in the valve, the valve ball must remain in the off position, please will be exposed outside the valve ball surface coated with grease. It can protect the valve ball is not the welding slag splash damage.

Warning: do not long time the valve is placed in the half open state.