



Strength Source Valve Manufacturer

German technology casting,
Good sealing effect,
Long service life and high control precision

Customizable actuators,
Valve bodies, materials and sizes



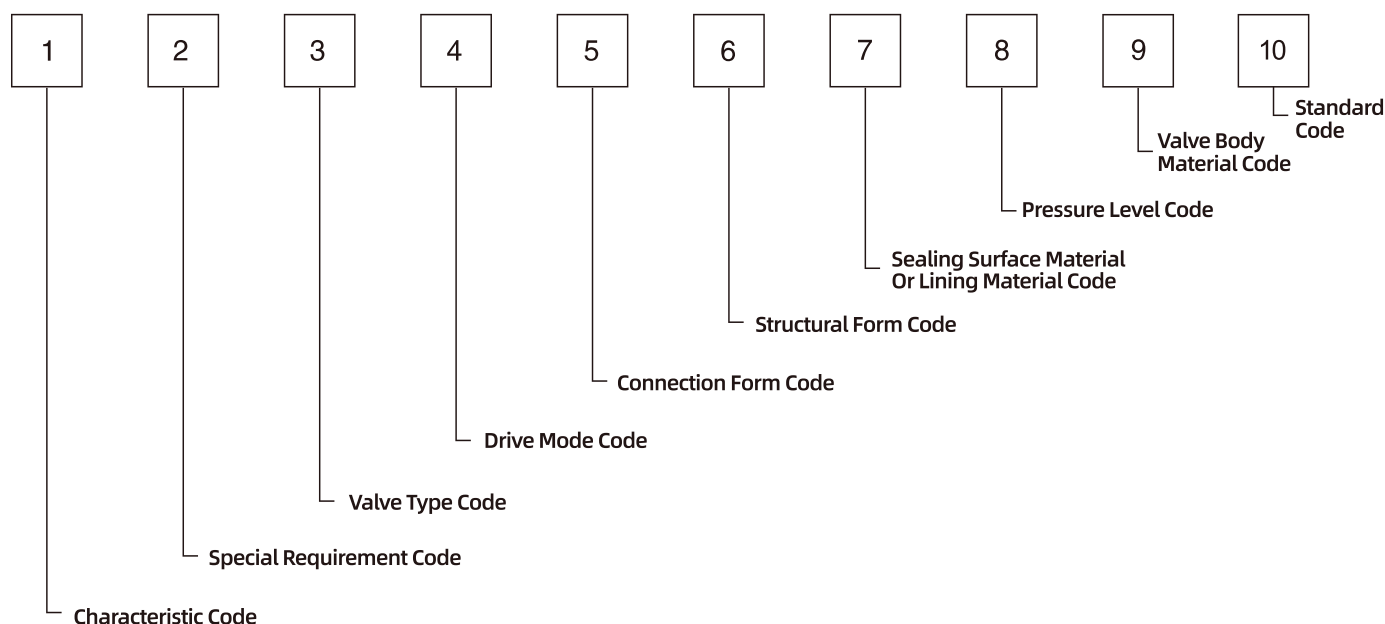
GUANGDONG QEEHUA INDUSTRY EQUIPMENT CO., LTD.

中國原
企華夢

Chinese Pump,
Qeehua Dream



Motorized Valve Model Code Instruction



1. Characteristic Code: The characteristic code of our company is QH.

2. Special Requirement Code: K=sulfur resistant type, D=low temperature type, B=insulated jacket type, L=extended valve stem type, Y=oxygen special type, W=sanitary type, V=V-type ball, FB=explosion-proof, G=high temperature.

3. Valve Type Code: Z=gate valve, J=stop valve, Q=ball valve, D=butterfly valve, G=diaphragm valve, X=plug valve, JF=angle seat valve.

4. Drive Mode Code: 6=pneumatic, 9=electric, 6S=pneumatic plus manual, 6K=pneumatic normally open, 6B=pneumatic normally closed.

5. Connection Type Code: 1=internal thread connection, 2=external thread connection, 4=flange connection, 6=welding, 7=clamp connection, 8=clamp connection.

6. Structural Code:

Gate Valve 1 = Wedge-type single gate, 2 = wedge-type double gate, 0 = wedge-type elastic gate, 3 = parallel single gate, 4 = parallel double gate.

Stop Valve 1 = Straight-through, 4 = angle, 5 = direct current.

Ball Valve 1 = Floating straight-through, 4 = floating L-type three-way, 5 = floating T-type three-way, 7 = fixed straight-through, 8 = fixed T-type three-way, 9 = Fixed L-type three-way, 0 = hemispherical straight-through.

Butterfly Valve 1 = Centerline straight plate, 3 = three-dimensional eccentric.

Diaphragm Valve 1 = Ridge type, 3 = stop type.

Plug Valve 3 = Straight-through, 4 = T-type three-way, 5 = four-way.

Angle Valve 1 = Oblique angle, 2 = right angle.

7. Sealing Surface Material or Lining Material Code: F = Polytetrafluoroethylene, P = Para-Polyphenylene, N = Nylon, X = Rubber, H = Alloy Steel, Y = Hard Alloy, J = Lined with Rubber, F4 = Lined with Polytetrafluoroethylene.

8. Pressure Level Code:

The nominal pressure of the GB standard is expressed in units of 10 times (Kgf/cm²) of MPa (megapascal), which are 6.0, 10, 16, 25, 40, 64, 100. The pressure levels of the ANSI standard are Class150, 300, 400, 600.

The pressure levels of the JIS standard are 10K, 20K, 40K.

9. Valve Body Material Code:

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. (The corresponding forged material is not listed in detail)

Note: For carbon steel cast valve bodies with PN ≥ 2.5MPa and pressure level ≥ Class150, this code is omitted.

10. Standard Code:

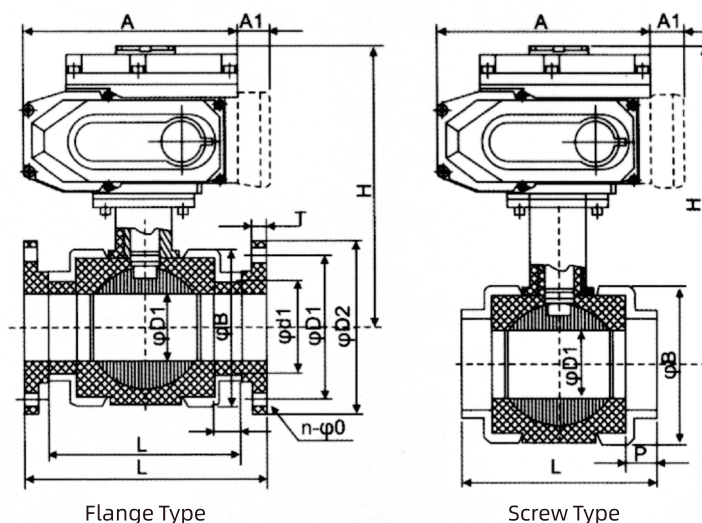
S-Standard; N-Nonstandard

Example 1: QHQ641F - 16P - DN50

It represents a pneumatic flange-connected full-bore floating stainless steel ball valve with a nominal pressure of 1.6MPa and a diameter of DN50 millimeters.

Example 2: QHD6S73H - 150 - 4"

It represents a pneumatic with manual wafer-type metal hard-sealed three-eccentric carbon steel butterfly valve with a pressure level of Class150 and a diameter of 4 inches.



Product Overview

PVC motorized ball valve adopts double union and flange connection, which can be quickly assembled without special tools. It has the advantages of compact structure, wear resistance, easy disassembly, convenient inspection and maintenance. The valve body material is hygienic and non-toxic, highly corrosion-resistant, light in weight and has a wide range of applications. For instance, pure water and raw drinking water pipeline systems, drainage and sewage pipeline systems, salt water and seawater pipeline systems, acid, alkali and chemical solution systems and other industries.

Product Features

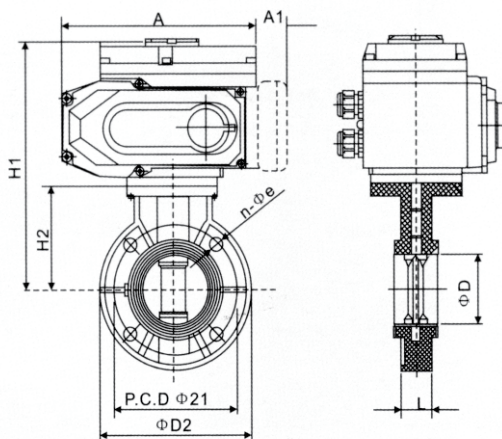
1. Wide operating temperature range: $-41^{\circ}\text{C} \sim +95^{\circ}\text{C}$;
2. Has excellent strength and toughness
3. Has excellent chemical corrosion resistance;
4. The flame retardant performance is self-extinguishing;
5. The geothermal conductivity is about 1/200 of that of steel;
6. The content of heavy ions in the medium reaches the ultra-pure water standard;
7. The hygiene indicators meet the requirements of national hygiene standards;
8. The pipe wall is smooth and clean, and has small friction resistance and adhesion when transporting fluids;
9. Light weight, equivalent to 1/2 of steel pipe and 1/6 of steel pipe;
10. The external structure is compact and beautiful, the material is hygienic and non-toxic, easy to install, wear-resistant, easy to disassemble, and maintenance is simple and easy;
11. Excellent aging resistance and UV resistance, so that the normal service life is much longer than that of other piping systems;

Valve Technical Parameters

Nominal Diameter	15-100MM
Connection Method	Flange, Thread, Union
Valve Structure	One-piece, Three-way L, Three-way T
Valve Body Material	UPVC($-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$)、CPVC($-40^{\circ}\text{C} \sim +95^{\circ}\text{C}$)、RPP($-14^{\circ}\text{C} \sim +100^{\circ}\text{C}$)、PVDF($-40^{\circ}\text{C} \sim +140^{\circ}\text{C}$)
Valve Core Material	UPVC($-10^{\circ}\text{C} \sim +70^{\circ}\text{C}$)、CPVC($-40^{\circ}\text{C} \sim +95^{\circ}\text{C}$)、RPP($-14^{\circ}\text{C} \sim +100^{\circ}\text{C}$)、PVDF($-40^{\circ}\text{C} \sim +140^{\circ}\text{C}$)
Sealing Material	PTFE、EPDM、NBR
Applicable Media	PVC Compatible Food Industry Chemical Solvents
Optional Motorized Actuator	QH Series

Valve Connection Dimensions And Weight

Nominal Diameter DN(mm)	D1	D2	D3	e	n	p	H	H1	A	J	T	Working Pressure (MPa)	Actuator Selection (Normal Temperature and Normal Pressure)	
15	15	65	95	14	4	16.0	151.6	40	161	66	15	1.0	QH-05	QH-05
20	19	75	105	14	4	18.5	157.7	40	161	66	15	1.0	QH-05	QH-05
25	25	85	115	14	4	22.0	162.0	40	161	66	16	1.0	QH-05	QH-05
32	38	100	140	18	4	26.0	197.7	55	161	73	16	1.0	QH-05	QH-05
40	38	110	150	18	4	31.0	197.7	55	161	73	16	1.0	QH-05	QH-05
50	50	120	165	18	4	37.5	225.3	55	161	85	20	1.0	QH-05	QH-05
65	65	145	85	18	4	43.5	278.2	68	161	110	20	1.0	QH-10	QH-10
80	78	160	200	18	8	51.0	307.7	85	161	110	2	1.0	QH-16	QH-16
100	100	180	220	18	8	61.0	362.0	90	188	140	22	1.0	QH-25	QH-25



Main Outline Dimensions (The dotted line part is the analog control box, and the switch type has no such dimension)

Product Overview

The PVC Motorized Butterfly Valve is lightweight and highly corrosion-resistant, and is applied in multiple fields, such as the piping systems for general pure water and drinking water, drainage and sewage piping systems, brine and seawater piping systems, acid-base and chemical solution systems, and other industries. Its quality is recognized by the majority of users.

Nominal Diameter	50~600mm
Connection Method	Wafer
Valve Body Material	UPVC(-10℃~+55℃)、CPVC(-10℃~+95℃)、RPP(-14℃~+100℃)、PVDF(-40℃~+140℃)
Valve Core Material	UPVC(-10℃~+70℃)、CPVC(-40℃~+95℃)、RPP(-14℃~+100℃)、PVDF(-40℃~+140℃)
Sealing Material	PTFE、EPDM、NBR
Applicable Media	PVC Compatible Food Industry Chemical Solvents
Optional Motorized Actuator	QH Series

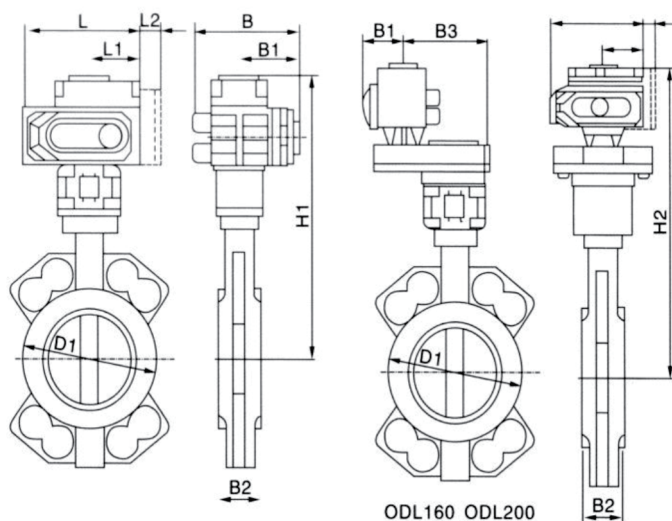
Product Features

1. Wide operating temperature range: -41℃ ~ + 95℃;
2. Has excellent strength and toughness
3. Has excellent chemical corrosion resistance;
4. The flame retardant performance is self-extinguishing;
5. The geothermal conductivity is about 1/200 of that of steel;
6. The content of heavy ions in the medium reaches the ultra-pure water standard;
7. The hygiene indicators meet the requirements of national hygiene standards;
8. The pipe wall is smooth and clean, and has small friction resistance and adhesion when transporting fluids;
9. Light weight, equivalent to 1/2 of steel pipe and 1/6 of steel pipe;
10. The external structure is compact and beautiful, the material is hygienic and non-toxic, easy to install, wear-resistant, easy to disassemble, and maintenance is simple and easy;
11. Excellent aging resistance and UV resistance, so that the normal service life is much longer than that of other piping systems.

Valve Connection Dimensions

Nominal Diameter (mm)	D	Overall Dimensions(mm)										Working Pressure (Mpa)	Actuator Selection (Normal Temperature and Normal Pressure)	
		D1				D2	A	L	H1	H2	n-Φe			
		D1	JIS	DIN	ANSI									
50	56	125	120	125	4.75	160	161	40	88	70	4-18	1.0	QH-05	QH-05
65	71	145	145	145	5.50	185	161	46	100	70	4-18	1.0	QH-05	QH-05
80	85	160	160	160	6.00	195	161	46	105	85	8-18	1.0	QH-10	QH-10
100	105	180	180	180	7.50	215	161	54	118	85	8-18	1.0	QH-10	QH-10
125	131	210	210	210	8.50	250	161	70	163	93	8-18	1.0	QH-16	QH-16
150	153	240	240	240	9.50	285	188	74	176	93	8-22	1.0	QH-16	QH-16
200	204	295	290	295	11.75	340	268	87	210	93	8-22	1.0	QH-25	QH-25
250	255	350	355	350	14.25	395	268	114	240	93	12-22	1.0	QH-25	QH-25
300	307	400	400	400	17.00	445	268	114	270	93	12-22	1.0	QH-50	QH-50
350	358	460	445	460	18.75	505	268	127	300	93	16-22	1.0	QH-100	QH-100
400	389	515	510	515	21.25	580	268	140	350	108	16-22	1.0	QH-100	QH-100

The above optional parameters are for reference only, the actual situation shall prevail!



The dotted line part is the analog control box, and the switch type has no such dimension

Product Overview

The motorized midline butterfly valve is matched with the butterfly valve and the QH series actuator. By inputting the control signal (4 - 20mA or 1 - 5VDC) and single-phase power supply, the motorized butterfly valve can be controlled to operate. The motorized butterfly valve has strong functions, small size, light weight, straight-forward, reliable performance, simple matching, and large circulation capacity. In particular, it is suitable for occasions where the medium is viscous, contains particles, and has a fibrous nature. At present, this motorized regulating butterfly valve is widely used in industrial automatic control systems in the food, environmental protection, light industry, petroleum, papermaking, chemical, teaching and scientific research equipment, power and other industries.

Valve Body

Nominal Diameter: 50 - 400mm

Nominal Pressure: PN1.0, 1.6, 2.5MPa

Connection Form: Flange Connection

Material: HT200 ZG251 ZGCr18Ni9 ZG0Cr17Ni12MO2 Lined with Teflon

Medium Temperature: Normal Temperature Type: - 20°C ~ + 200°C Heat Dissipation Type: - 40°C ~ + 450°C

Applicable Medium: Fresh Water, Seawater, Food, Natural Gas, Alcohols, Salts, Acids, Alkalis, Oils, Steam, Air, etc.

Recommended Table for Medium and Temperature Applicable to Sealing Pair

Sealing Pair Material		Applicable Temperature	Medium Type and Applicability Degree													Outstanding Characteristics
			Fresh Water	Sea water	Salts	Strong Alkali	Weak Alkali	Strong Acid	Weak Acid	Natural Gas	Alcohols	Air	Steam	Oils	Food	
Valve Seat	Nitrile Butadiene Rubber	-12°C~+85°C	A	A	A	B	A	D	B	A	C	A	D	A	B	Oil Resistant
	Ethylene Propylene Diene Monomer	-35°C~+135°C	A	A	A	A	A	C	A	B	B	A	A	C	A	Aging-resistant
	Corrosion Resistant Ethylene Propylene Diene Monomer	-35°C~+160°C	A	A	A	A	A	A	A	B	B	A	A	C	A	Aging-resistant, and corrosion-resistant
	Fluorine Rubber	-23°C~+135°C	A	A	A	C	A	C	A	A	C	A	A	A	A	Corrosion-resistant and high-temperature-resistant
	Polytetrafluoroethylene	-10°C~+150°C	A	A	A	A	A	A	A	A	A	A	A	A	A	Corrosion-resistant and high-temperature-resistant
Butterfly Plate	Spheroidal Graphite Iron Electroplating	-30°C~+350°C	B	D	C	D	C	D	C	B	A	B	A	A	C	High-temperature-resistant
	Spheroidal Graphite Iron Nylon Coating	-30°C~+100°C	A	A	A	A	A	D	A	A	C	A	D	A	A	Corrosion-resistant, Wear-resistant and friction-reducing
	Aluminum Bronze	-273°C~+232°C	A	B	C	D	C	D	B	A	A	A	A	A	C	Corrosion-resistant and heat-resistant
	Stainless Steel	-273°C~+316°C	A	B	C	C	B	C	A	A	A	A	A	A	A	Corrosion-resistant and high-temperature-resistant

Optional Materials for Valve Internal Components

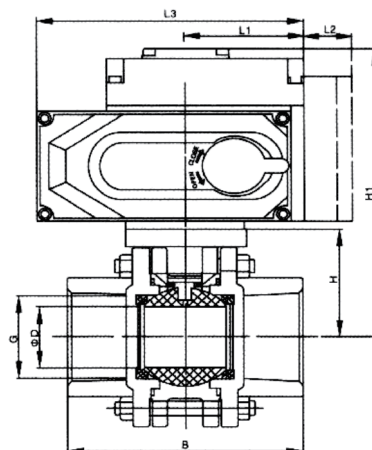
Main Components	Material	Applicable Specifications	Main Components	Material	Applicable Specifications
Valve Body	·Ductile Iron ·Gray Iron ·Cast Steel ·Stainless Steel	50mm~300mm 50mm~300mm 50mm~300mm 50mm~300mm	Valve Stem	·Stainless Steel 416 ·Stainless Steel 316 ·Stainless Steel 304 ·Carbon Steel with Nickel Phosphorus Plating	50mm~300mm 50mm~300mm 50mm~300mm 50mm~300mm
Valve Plate	·Stainless Steel CF8 ·Stainless Steel CF8M ·Ductile Iron with Nickel Phosphorus Plating ·Ductile Iron with Nylon Coating ·Aluminum Bronze	50mm~300mm 50mm~300mm 50mm~300mm 50mm~300mm	Valve Seat	·Nitrile Butadiene Rubber (NBR) ·Ethylene Propylene Diene Monomer (EPDM) ·Fluorine Rubber (VITON) ·Silicone Rubber (SEP) ·Heat - Resistant EPDM ·Wear - Resistant EPDM	50mm~300mm 50mm~300mm 50mm~300mm 50mm~300mm 50mm~300mm 50mm~300mm

Main Connection Dimensions

Diameter	L	L1	L2	B	B1	B2	H2	D1	Actuator Selection (Normal Temperature and Normal Pressure)	
50	161	71.5	40	120.5	62	42.6	297	92	QH-05	QH-05
65	161	71.5	40	120.5	62	45.6	310	106	QH-05	QH-05
80	161	71.5	40	120.5	62	45.6	331	122	QH-05	QH-05
100	188	71.5	40	120.5	62	51.6	348	150	QH-10	QH-10
125	268	81	40	165	75	55.6	428	177	QH-16	QH-16
150	268	117	40	268	119	55.6	447	204	QH-16	QH-16
200	268	117	40	268	119	59.6	481	260	QH-25	QH-25
250	268	117	40	268	119	67.6	520	314	QH-50	QH-50
300	268	117	40	268	119	77.6	548	370	QH-50	QH-50
350	268	117	40	268	119	79	583	422	QH-100	QH-100
400	268	117	40	268	119	105	615	473	QH-100	QH-100
450	268	117	40	268	119	112	819	526	QH-200	QH-200
500	268	117	40	268	119	129	847	577	QH-200	QH-200

Motorized Three - Piece Ball Valve

QHWD981X-10P Series



Product Overview

The motorized three - piece ball valve adopts an integrated structure and is matched with the QH motorized actuator. With the input of control signals (4 - 20mA DC or 0 - 10VDC) and single - phase power supply, it can be controlled to operate. It has strong functions, small size, light weight, low cost, reliable performance, simple matching, and large circulation capacity. It is particularly suitable for occasions where the medium is viscous, contains particles, and has a fibrous nature. At present, this valve is widely used in industrial automatic control systems in the food, environmental protection, light industry, petroleum, papermaking, chemical, teaching and scientific research equipment, power and other industries.

Product Features

The internal thread connection ball valve and the butt weld connection ball valve are divided into integral (one - piece), two - piece, and three - piece types. The valve body is cast using an advanced process introduced from Japan, with a reasonable structure and beautiful appearance. The valve seat adopts an elastic sealing structure, which has reliable sealing and easy opening and closing. The valve stem adopts a bottom - loading structure with a back seal, and the valve stem will not be ejected when the valve cavity is abnormally pressurized. The two - piece and three - piece ball valve connection forms also have butt welding (BW) and socket welding (SW), and can both be equipped with an international standard ISO support platform and locking device. A 90° switch positioning mechanism can be set, and it can be locked as needed to prevent misoperation.

Valve Technical Parameters

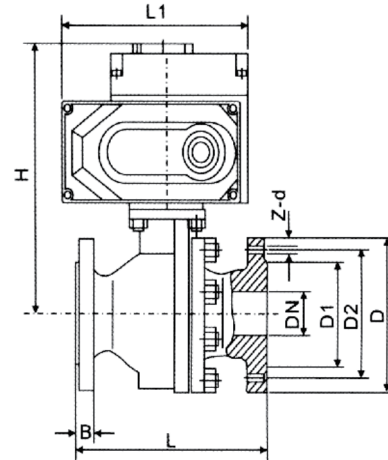
Nominal Diameter		Dn10 - 100mm		Nominal Pressure	PN1.62.54.06.431.5MPa (Customized)		
Connection Method		Internal Thread Connection			Butt Welding Connection		
Name of Part	Valve Body and Cover	WCB	CF8(304)	CF8M(316)	WCB	CF8(304)	CF8M(316)
	Valve Body and Stem	2Cr13	0Cr19Ni9	0Cr17Ni12Mo2	2Cr13	0Cr19Ni9	0Cr17Ni12Mo2
	Sealing Ring and Packing	Reinforced Polypropylene, Para - Polyphenylene					
Working Condition	Applicable Medium	Water, Steam, Oil Products, etc.	Nitric Acid and Other Corrosive Media	Acetic Acid and Other Corrosive Media	Water, Steam, Oil Products, etc.	Nitric Acid and Other Corrosive Media	Acetic Acid and Other Corrosive Media
	Operating Temperature	-29°C - +180°C (Reinforced Polytetrafluoroethylene), -29°C - +300°C (Para - Polyphenylene)					

Main Connection Dimensions

G	ΦD	B	H1	H	L1	L2	L3	Actuator Selection
1/4"	11.2	60	148	42	50	40	123	QH-05
3/8"	12.5	60	148	42	50	40	123	QH-05
1/2"	15	72	148	42	50	40	123	QH-05
3/4"	20	82	148	48.5	50	40	123	QH-05
1"	25	90	164	58.5	50	40	123	QH-05
1-1/4"	32	112	184	63	65	40	160	QH-05
1-1/2"	38	120	195	71	65	40	160	QH-05
2"	50	145	197.1	78	82	40	189	QH-10
2-1/2"	65	185	222.5	100	82	40	189	QH-16
3"	76	210	233	109	82	40	189	QH-25
4"	100	268	241	140	116	40	266	QH-50

Motorized Flanged Ball Valve

QHQ941F-16P Series



Product Overview

The Motorized ball valve is a kind of rotary valve with a 90° rotation angle. It has excellent sealing performance, large circulation capacity, small flow resistance coefficient, simple structure, convenient maintenance, and long service life. The valve body channel and the connecting pipe diameter are equal and form a straight diameter, and the medium can flow through almost without loss. Equipped with high-performance actuators such as QH, the product is usually used in occasions with strict sealing requirements. In addition to controlling gas, liquid, and steam media, it is also suitable for controlling sewage and media containing fibrous impurities, and is widely used in petroleum, chemical, metallurgical, light industry, papermaking, power stations, refrigeration and other fields.

Product Features

1. Small fluid resistance. The ball valve has the smallest fluid resistance among all valve types. Even for reduced-diameter ball valves, their fluid resistance is quite small.
2. The thrust bearing reduces the friction torque of the valve stem, allowing the valve stem to operate smoothly and flexibly for a long time.
3. The valve seat has good sealing performance. The sealing ring made of materials such as polytetrafluoroethylene has a structure that is easy to seal, and the valve sealing capacity of the ball valve increases with the increase of the medium pressure.
4. The valve stem has reliable sealing. Since the valve stem only rotates and does not move up and down, the packing seal of the valve stem is not easily damaged, and the sealing capacity increases with the increase of the medium pressure.
5. Due to the good self-lubricating properties of materials such as polytetrafluoroethylene, the friction loss with the ball is small, which helps prolong the service life of the ball valve.
6. The bottom-mounted valve stem and the convex step at the head of the valve stem prevent the valve stem from ejecting. In case the valve stem seal is damaged by a fire, a metal contact can be formed between the convex step and the valve body to ensure the sealing of the valve stem.

Valve Technical Parameters

Nominal Diameter DN	Dn15 - DN400(mm)
Nominal Pressure	1.0、1.6、2.5、4.0、6.4MPa
Applicable Medium	Water, Stone, Oil, Nitric Acid, Acetic Acid, Viscous Fluid, Slurry, Strong Oxidizing Medium, etc.
Medium Temperature	-40°C - +180°C -40°C - +350°C
Leakage	Comply with ANSI B16.1045 Level Standard
Ball Rotation Angle	90°
Valve Bottom Material	A105、F304、F316、WCB、FZG1Cr18Ni9Ti、ZG1Cr18Ni9Ti、CF8、CF8M、CF3M
Valve Seat Material	Polytetrafluoroethylene (Normal Temperature), Special PPL (High Temperature), Metal Seal (High Temperature)

Main Connection Dimensions

Nominal Diameter DN(mm)	Size(mm)								Actuator Selection (Normal Temperature and Normal Pressure)	
	L	D	D2	D1	B	H	L1	Z-d		
15	130	95	65	45	14	176	161	4-14	QH-05	QH-05
20	140	105	75	55	14	180	161	4-14	QH-05	QH-05
25	150	115	85	65	14	182	161	4-14	QH-05	QH-05
32	165	135	100	78	16	188	161	4-18	QH-05	QH-05
40	180	145	110	85	16	198	161	4-18	QH-05	QH-05
50	200	160	125	100	16	203	161	4-18	QH-10	QH-10
65	200	180	145	120	18	222	188	4-18	QH-16	QH-16
80	250	195	160	135	20	237	188	8-18	QH-25	QH-25
100	280	215	180	155	20	281	268	8-18	QH-50	QH-50
125	320	245	210	185	22	300	268	8-18	QH-100	QH-100
150	360	280	240	210	24	300	268	8-23	QH-100	QH-100
200	400	335	295	265	26	368	268	12-23	QH-200	QH-200
250	533	405	335	320	30	418	268	12-25	QH-200	QH-200

The above optional parameters are for reference only, the actual situation shall prevail!

Plastic Head Motorized Valve

Application Field

Plastic Head Motorized Valves are commonly used in industries such as cleaning machines, electroplating equipment, PCB circuit board factories, pharmaceutical factories, mechanical equipment, water treatment, etc.



**Motorized 304PVC Threaded
Stainless Steel Ball Valve**



**Motorized 304PVC Threaded
Plastic Ball Valve**



**Motorized PVC Threaded Plastic
Ball Valve**



Motorized PVC Butterfly Valve



Motorized Sanitary Ball Valve



**Motorized Three-Piece Threaded
Ball Valve-304**

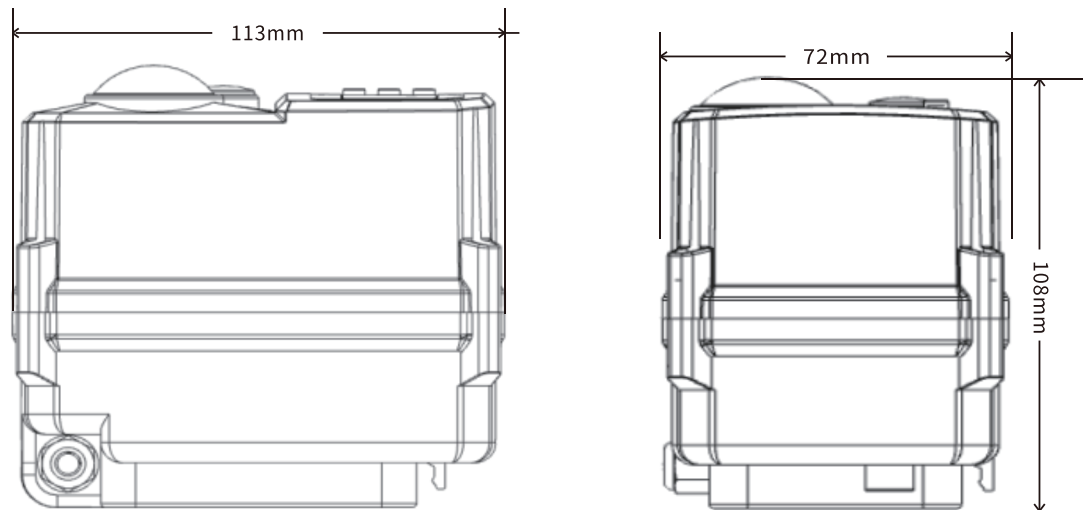


**Motorized Sanitary
Three-Way Ball Valve-304**

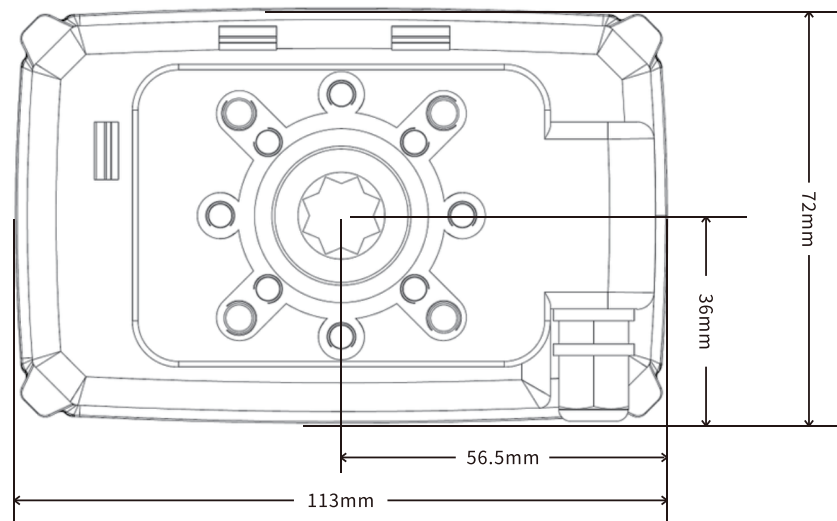
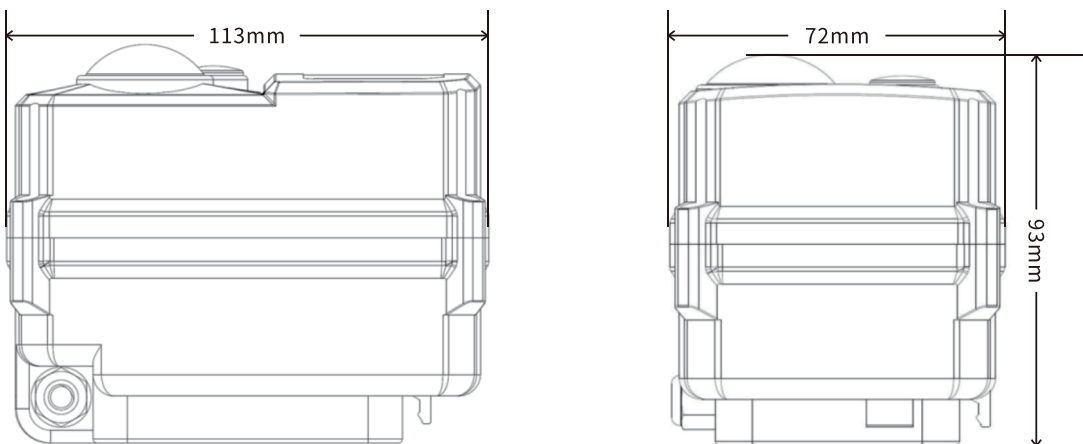


Motorized Sanitary Butterfly Valve

Model: 38S



Model: 20S

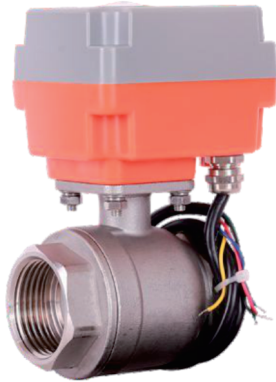


Technical Parameters

Electrical Parameters	Rated Voltage	AC220V/DC24V
	Operating Voltage Range	AC220-240V, DC22-28V
	Power Consumption	20W/40W, 8W/10W
	Fuse Specification	1A, 5A
	Rated Torque	20N·M, 38N·M
Functional Parameters	Electrical Interface	6/7x0.3mm ² Cable, Withstand Voltage AC300V (Wire Length 800mm)
	Rotation Angle	90±2°
	Maximum Rotation Angle	360°
	Manual Operation	※ Equipped with Hex Wrench, Used in Case of Power Failure
	Operating Time	About 15 Seconds
	Operating Frequency	Non - Continuous Operating Cycle ≥1mln
	Noise Level	Maximum 50dB(A)
Working Conditions	Position Indication	Mechanical Indicator
	Electrical Class	Class I (Ground Protection)
	Protection Class	IP67 As Per EN60529/GB4208 - 2008 (All Directions)
	Insulation Resistance	100MQ/1500VDC 100MQ/500VDC
	Withstand Voltage Class	1500VAC 1 Minute 500VAC 1 Minute
	Medium Temperature for Valve Matching	≤80°C Can Be Directly Connected to the Actuator for Installation
		※ When >80°C, It Is Necessary to Install a Bracket or Heat Dissipation Device
	Working Environment	※ Indoors or Outdoors, in Environments with Long - Term Rain or Direct Sunlight
		It Is Necessary to Install Protective Devices to Protect the Actuator
	Explosion - Proof Class	△ Non - Explosion - Proof Product, Installation Should Avoid Flammable and Explosive Environments
	Ambient Temperature Non	-20°C-60°C (ABS)
	Operating Temperature	※ ≤-40°C or ≥80°C
	Ambient Humidity	5 - 95%RH Relative Humidity, No Condensation
Specification Size/Weight	Installation Method	360° Any Angle, Manual Operation or Wiring Space Needs to Be Reserved
	Maintenance	Maintenance - Free
	Size (LXWXH)	See "Specification Size"
	Connection Standard	ISO5211 F03、F04、F05
	Output Shaft Specification	Inner Octagon
	Hole Depth/Shaft Length	≤15mm (Inner Octagon)
	Weight	ABS Material 0.75 - 1.25kg

Application Field

Motorized miniature valves are often used in industries such as cleaning machines, electroplating equipment, PCB circuit board factories, pharmaceutical factories, mechanical equipment, water treatment, etc.



Motorized 304PVC Threaded
Stainless Steel Ball Valve

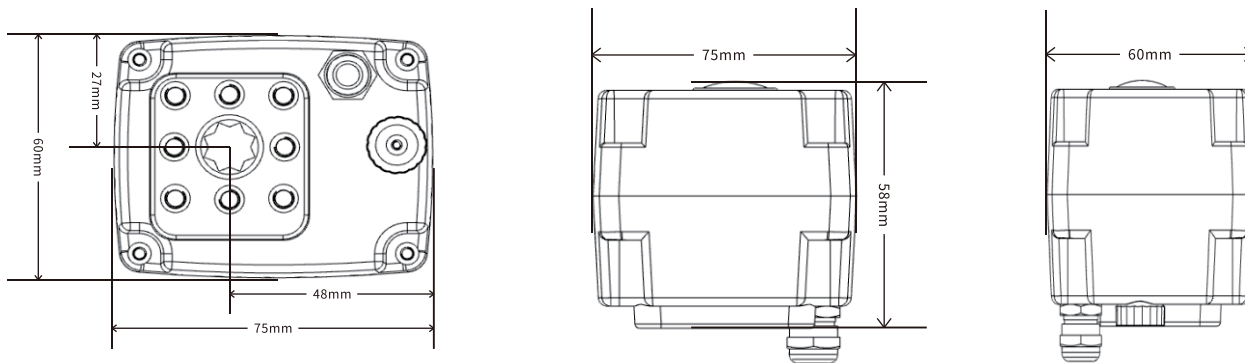


Motorized 304PVC Threaded
Plastic Ball Valve

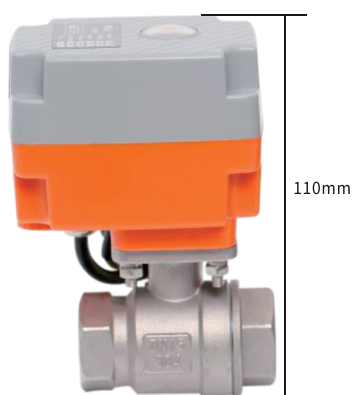
The micro motorized threaded ball valve adopts an integrated structure connected to the actuator mechanism to replace the function of the solenoid valve. It is small, light, cheap, reliable, has high torque, simple matching and large flow characteristics.

Technical Parameters

Output Torque	10N/M
Motor Power	8W
Opening Time 90°	4S-90°
Rotation Angle	0-90°
Box Material	ABS
Weight	0.25KG
Protection Level	Ip67
Ambient Temperature	-10-60°C
Power Supply	5V、12V、24V、220V
Standard Configuration	Switch Type
Operating Time	4S



304 Threaded Ball Valve



The valve body is cast using the advanced technology introduced from Taiwan, with a reasonable structure and beautiful appearance. The valve seat adopts an elastic sealing structure, which is reliable in sealing. The ball core channel is smooth and flat, and it is not easy to deposit the medium, and it can be used for pipeline-type ball passing. The structure is simple, the weight is light, and the sealing performance is good. It is especially suitable for occasions requiring zero leakage rate, and it is easy to open and close.

Plastic Threaded Ball Valve

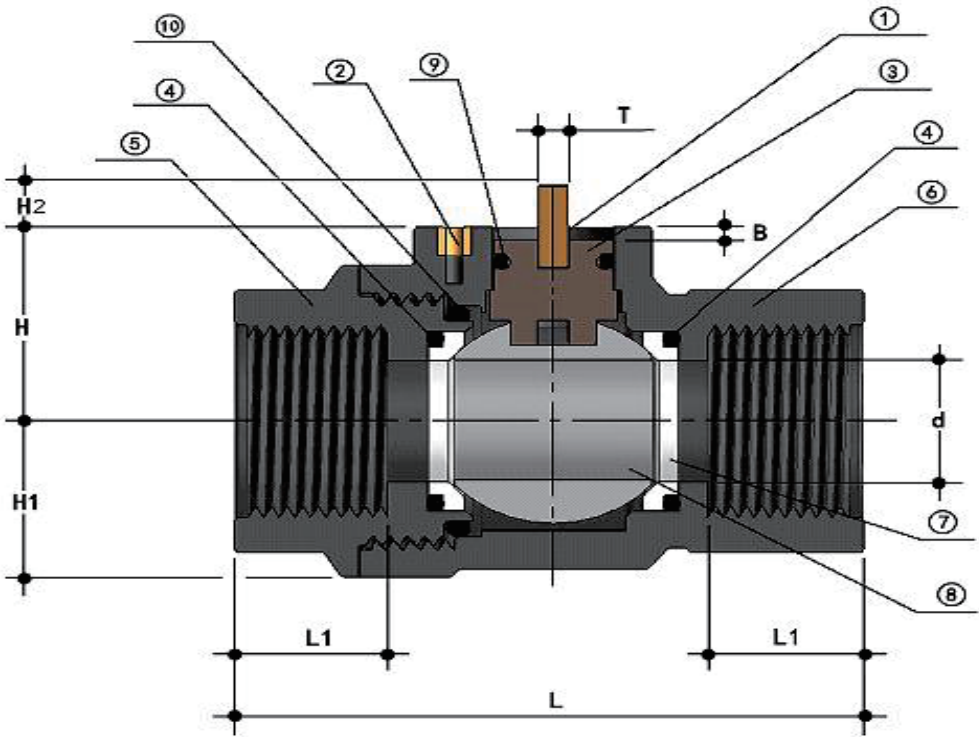
This valve is light in weight, has a compact and beautiful appearance, is easy to install, the material is hygienic and non-toxic, has strong corrosion resistance and wear resistance, and is applied to pipeline systems in multiple fields, drainage and sewage pipeline systems, brine and seawater pipeline systems, acid-base and chemical solution systems and other industries. Its quality is recognized by the majority of users.



Technical Parameters

Driving Voltage	DC5V/12V/24V, AC220V
Nominal Diameter	15~25mm
Nominal Pressure	1.0Mpa
Applicable Temperature	0~+60℃
Connection Method	Internal Thread Connection
Valve Structure	Two-Piece Type
Valve Body Material	UPVC、304、316L

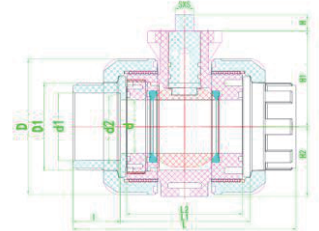
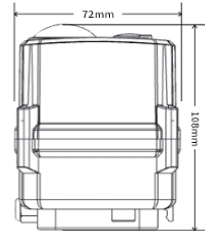
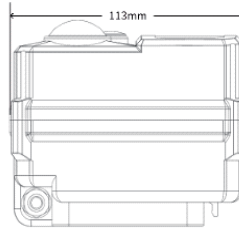
Valve Core Material	UPVC、304、316L
Sealing Material	PTFE FKM
Applicable Medium	PVC-compatible Food Industry Chemical Solvents
DN15 Ball Valve	Length 59mm * Height 110mm
DN20 Ball Valve	Length 72mm * Height 115mm
DN25 Ball Valve	Length 80mm * Height 120mm



SIZE	d	L	L1	T	A	B	C	E	H	H1	H2
1/2"	14	61	12.5	3.5	8	1.8	23	M2.5	27.3	19.5	5.5
3/4"	17	74	19	3.5	8	1.8	23	M2.5	29	22	5.5
1"	23	80	18	3.5	8	1.8	23	M3.0	34	26.5	5.5

Motorized PVC Threaded Plastic Ball Valve

QH911XF-10S Series



Product Overview

PVC Motorized Ball Valve adopts double union and flange connection, which can be quickly assembled without special tools. It has the advantages of compact structure, wear resistance, easy disassembly, convenient inspection and maintenance. The valve body material is hygienic and non-toxic, highly corrosion-resistant, light in weight and has a wide range of applications. For example, pure water and raw drinking water pipeline systems, drainage and sewage pipeline systems, salt water and seawater pipeline systems, acid-base and chemical dissolution systems and other industries.

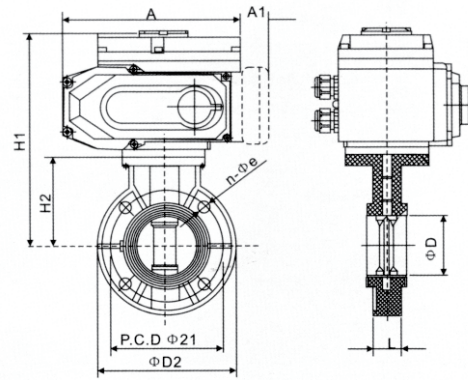
Main Connection Dimensions

SIZE	d	L	I	d1					d2				
				UPVC/CPVC				PPH	UPVC/CPVC				PPH
				DIN	JIS	ANSI	CNS	CNS	DIN	JIS	ANSI	CNS	DIN
1/2"(15)	15	112.00	23.00	20.25	22.30	21.40	22.40	22.40	19.20	21.85	21.25	21.90	19.00
3/4"(20)	20	120.00	26.00	25.25	26.30	26.75	26.40	26.40	24.20	25.85	26.58	25.90	23.80
1"(25)	25	136.00	29.00	32.25	32.33	33.52	34.50	34.50	31.10	31.85	33.28	33.90	30.70
1-1/4"(32)	32	150.50	32.50	40.25	38.43	42.28	42.50	42.50	39.00	37.85	42.05	41.90	38.60
1-1/2"(40)	40	168.00	35.50	50.25	48.46	48.40	48.60	48.60	48.90	47.75	48.12	47.90	48.60
2"(50)	50	180.00	38.50	63.25	60.56	60.45	60.60	60.60	61.90	59.75	60.18	59.90	61.40
2-1/2"(65)	63	235.00	44.50	75.25	76.60	73.30	76.70	76.70	73.60	75.87	72.85	75.90	72.30
3"(80)	75	265.00	51.00	90.35	89.60	89.25	89.70	89.70	88.30	88.83	88.70	88.90	86.90
4(100)	90	304.00	61.50	110.3	114.7	114.6	115.0	115.0	108.0	113.9	114.1	113.80	106.4

SIZE	D	D1	L1	L2	H	H1	H2	SXS	C	B1	B2	E	F	Operating Torque(N.M)
1/2"(15)	56.00	32.00	66.00	57.00	8.20	44.30	28.70	9X9	36	M5	6	/	31	2.0
3/4"(15)	65.00	37.00	68.00	59.00	8.20	53.30	32.70	9x9	36	M5	6	/	35	2.5
1"(25)	76.00	45.50	76.00	68.00	9.20	60.60	38.75	9X9	36	M5	6	/	42	3.0
1-1/4"(32)	87.00	55.50	85.00	76.00	11.00	61.50	44.25	11X11	50	M6	8	/	56	3.5
1-1/2"(40)	101.00	62.00	95.50	86.50	12.00	71.50	51.50	11X11	50	MG	8	/	58	4.5
2"(50)	121.00	79.00	103.00	92.00	12.00	82.50	62.00	11X11	50	M6	8	/	70	5.5

Motorized PVC Butterfly Valve

QHD971X-10S Series



Main Outline Dimensions (The dotted line part is the analog control box, and the switch type has no such dimension)

Product Overview

The PVC motorized butterfly valve is lightweight and highly resistant to corrosion. It is used in various fields, such as general pure water and drinking water pipeline systems, drainage and sewage pipeline systems, saltwater and seawater pipeline systems, acid and chemical solution systems, and other industries, gaining wide recognition for its quality.

Nominal Diameter	50~600mm
Connection Method	Wafer
Valve Body Material	UPVC(−10℃~+55℃)、CPVC(−10℃~+95℃)、RPP(−14℃~+100℃)、PVDF(−40℃~+140℃)
Valve Core Material	UPVC(−10℃~+70℃)、CPVC(−40℃~+95℃)、RPP(−14℃~+100℃)、PVDF(−40℃~+140℃)
Sealing Material	PTFE、EPDM、NBR
Applicable Media	PVC Compatible Food Industry Chemical Solvents
Optional Motorized Actuator	QH、QH Series

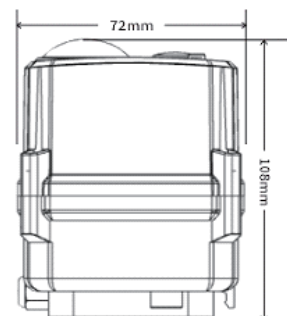
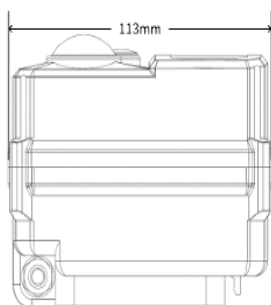
Product Features

1. Wide temperature range: −40℃~+95℃;
2. Excellent strength and toughness;
3. Excellent chemical corrosion resistance;
4. Flame-retardant and self-extinguishing;
5. Thermal conductivity about 1/200 of steel;
6. Heavy ion content in the medium meets ultrapure water standards;
7. Sanitary standards comply with national hygiene requirements;
8. Smooth and clean pipe walls, providing low friction resistance and adhesion when transporting fluids;
9. Lightweight, about half the weight of steel pipes, one-sixth of stainless steel pipes;
10. Compact and aesthetically pleasing structure, hygienic and non-toxic material, easy to install, wear-resistant, easy to disassemble, and simple maintenance;
11. Excellent aging and UV resistance, providing a longer service life than other pipeline systems;

Main Connection Dimensions

Nominal Diameter (mm)	D	Outline Dimension(mm)										Working Pressure (Mpa)	Actuator Selection (Normal Temperature and Normal Pressure)	
		D1				D2	A	L	H1	H2	n-Φe			
		D1	JIS	DIN	ANSI									
50	56	125	120	125	4.75	160	161	40	88	70	4-18	1.0	QH-05	QH-05
65	71	145	145	145	5.50	185	161	46	100	70	4-18	1.0	QH-05	QH-05
80	85	160	160	160	6.00	195	161	46	105	85	8-18	1.0	QH-10	QH-10
100	105	180	180	180	7.50	215	161	54	118	85	8-18	1.0	QH-10	QH-10
125	131	210	210	210	8.50	250	161	70	163	93	8-18	1.0	QH-16	QH-16
150	153	240	240	240	9.50	285	188	74	176	93	8-22	1.0	QH-16	QH-16
200	204	295	290	295	11.75	340	268	87	210	93	8-22	1.0	QH-25	QH-25
250	255	350	355	350	14.25	395	268	114	240	93	12-22	1.0	QH-25	QH-25
300	307	400	400	400	17.00	445	268	114	270	93	12-22	1.0	QH-50	QH-50
350	358	460	445	460	18.75	505	268	127	300	93	16-22	1.0	QH-100	QH-100
400	389	515	510	515	21.25	580	268	140	350	108	16-22	1.0	QH-100	QH-100

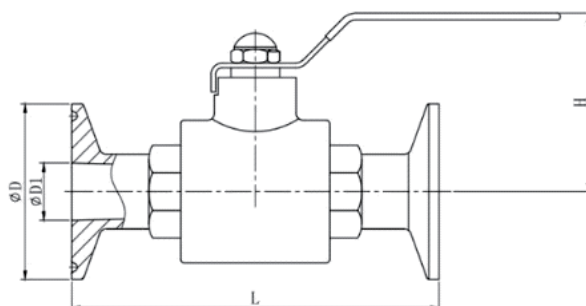
The above optional parameters are for reference only, the actual situation shall prevail!



Product Overview

The motorized sanitary ball valve is a valve widely used in sanitary fluid systems and has the following application characteristics:

1. The material is selected from stainless steel 304, 316, 316L, etc., which have good corrosion resistance and high temperature resistance;
2. Sanitary design. The structural design of the motorized sanitary ball valve complies with hygienic requirements. The inside and outside of the valve body are smooth and have no dead corner, making it easy to clean and disinfect and ensuring the cleanliness of the fluid;
3. The application fields of the sanitary ball valve include all food fields such as (milk, juice, soy sauce, pharmaceuticals).

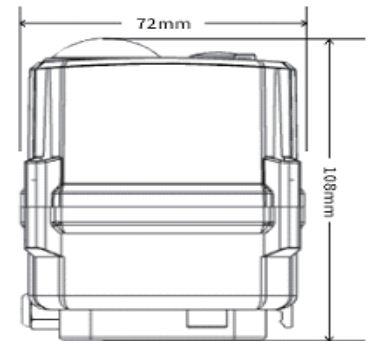
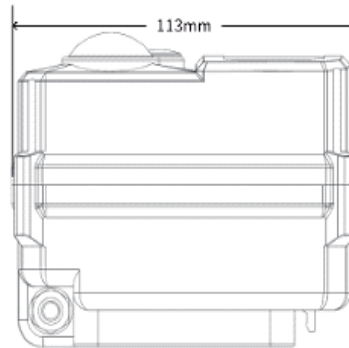


Main Connection Dimensions

Specification	D	D1	L	H
Ø12.7	25.4	9.7	84	50
Ø19	50.5	16.5	99	60
Ø25	50.5	22	120	67.8
Ø32	50.5	28.5	119	71.8
Ø38	50.5	35	134	80
Ø45	64	41	143	91
Ø51	64	47.5	158	98
Ø57	77.5	52	166	97.3
Ø63	77.5	59	175	103.3
Ø76	91	72	194	119.5
Ø89	106	85	232	130
Ø102	119	98	272	160.5

Motorized Three-Piece Threaded Ball Valve

QHWD981X - 10P Series



Product Overview

The motorized three-piece ball valve adopts an integrated structure and is matched with the HFa motorized actuator. It can be controlled to operate with an input control signal (4 - 20mADC or 0 - 10VDC) and a single-phase power supply. It has strong functions, small size, light weight, reliable performance, simple matching, large flow capacity, and is especially suitable for occasions where the medium is viscous, contains particles, and has fibrous properties. At present, this valve is widely used in industrial automatic control systems in industries such as food, environmental protection, light industry, petroleum, papermaking, chemical engineering, teaching and scientific research equipment, and motorized power.

Product Features

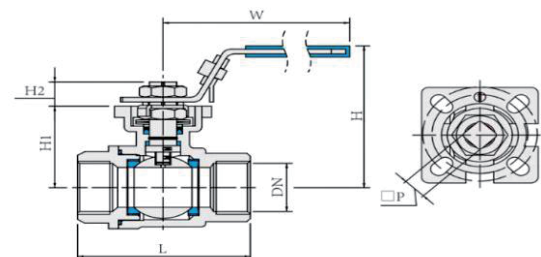
The internal thread connection ball valve and butt welding connection ball valve are divided into integral types (one-piece, two-piece, and three-piece). The valve body casting adopts advanced technology introduced from Japan, with reasonable structure and beautiful shape. The valve seat adopts an elastic sealing structure, with reliable sealing and easy opening and closing. The valve stem adopts a bottom-mounted structure with a back seal, and the valve stem will not be ejected when the valve cavity has abnormal pressure rise. The connection forms of the two-piece and three-piece ball valves also include butt welding (BW) and socket welding (SW), and all can be equipped with an international standard ISO bracket platform and a locking device. A 90° switch positioning mechanism can be set, and it can be locked as needed to prevent misoperation.

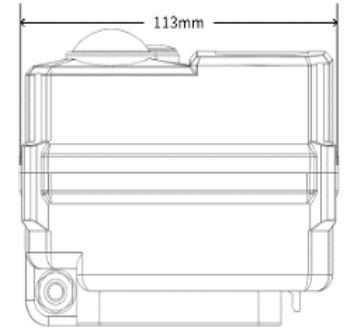
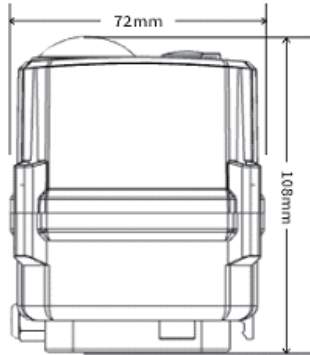
Valve Technical Parameters

Nominal Diameter		DN10 ~ 100mm		Nominal Pressure	PN1.6 2.5 4.0 6.4 31.5MPa (Customized)		
Connection Type		Internal Thread Connection			Butt Welding Connection		
Part Name	Valve Body and Cover	WCB	CF8(304)	CF8M(316)	WCB	CF8(304)	CF8M(316)
	Valve Body and Stem	2Cr13	0Cr19Ni9	0Cr17Ni12Mo2	2Cr13	0Cr19Ni9	0Cr17Ni12Mo2
	Sealing Ring and Packing	Reinforced Polytetrafluoroethylene, Para Polyphenylene					
Applicable Working Conditions	Applicable Medium	Water, Steam, Oil, etc.	Corrosive Media such as Nitric Acid	Corrosive Media such as Acetic Acid	Water, Steam, Oil, etc.	Corrosive Media such as Nitric Acid	Corrosive Media such as Acetic Acid
	Service Temperature	-29℃ - +180℃ (Reinforced Polytetrafluoroethylene), -29℃ - +300℃ (Para Polyphenylene)					

Valve Technical Parameters

Specification	DN	L	H	H1	H2	W	P	TORQUE N.M	ISO5211
1/2"	15	60	65	37	8	110	9	5	F03/F04
3/4"	20	70	67	40	8	110	9	7	F03/F04
1"	25	90	80	49	10	130	11	9	F04/F05
1-1/4"	32	95	83	53	10	160	11	16	F04/F05
1-1/2"	38	106	99	62	14	185	14	21	F05/F07
2"	48	120	107	70	14	185	14	25	F05/F07

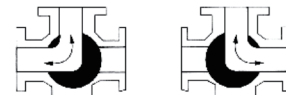




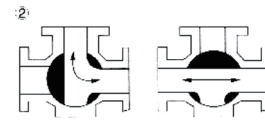
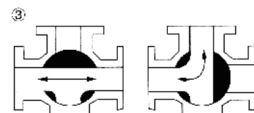
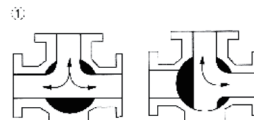
Product Overview and Features

The motorized sanitary three-way ball valve can be connected with control systems such as (PLC, DCS) and other equipment to improve the accuracy and stability of the process.

The motorized sanitary three-way valve is mainly used for shunting, converging, and direction control. There are two types of three-way valves: L-type and T-type.



"L" 型



"T" 型

Main Connection Dimensions

Nominal Pressure PN	Nominal Diameter DN	Size(mm)								Actuator Selection (Normal Temperature and Normal Pressure)	
		L	L2	B	D1	D2	H	Z-do	T		
1.6Mpa	15	161	40	150	65	95	142.5	4-14	14	QH-05	QH-05
	20	161	40	160	75	105	148.0	4-14	14	QH-05	QH-05
	25	161	40	180	85	115	170.5	4-14	14	QH-05	QH-05
	32	161	40	200	100	135	177.5	4-18	16	QH-05	QH-05
	40	188	40	220	110	145	203.5	4-18	16	QH-10	QH-10
	50	188	40	240	125	160	209.0	4-18	16	QH-10	QH-10
	65	188	40	260	145	180	235.5	4-18	18	QH-25	QH-25
	80	268	40	280	160	195	271.5	8-18	20	QH-50	QH-50
	100	268	40	320	180	215	366.0	8-18	20	QH-100	QH-100

The above optional parameters are for reference only, the actual situation shall prevail!

Product Overview

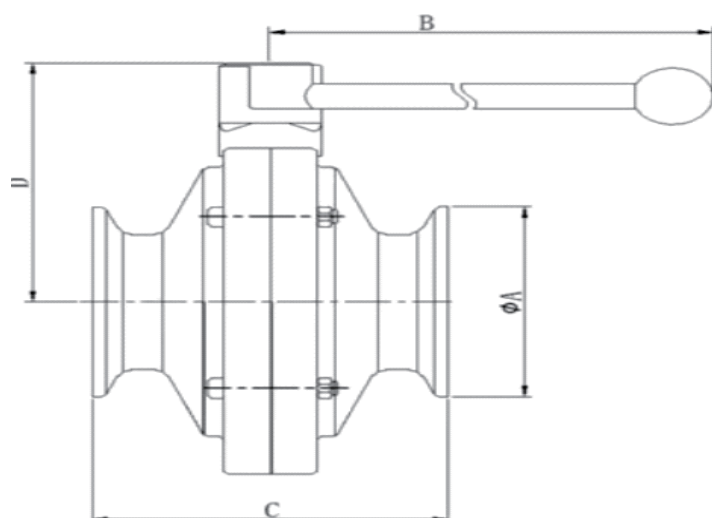
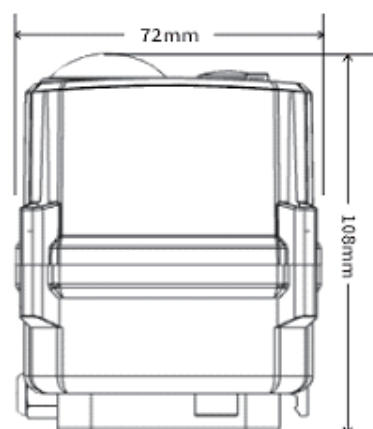
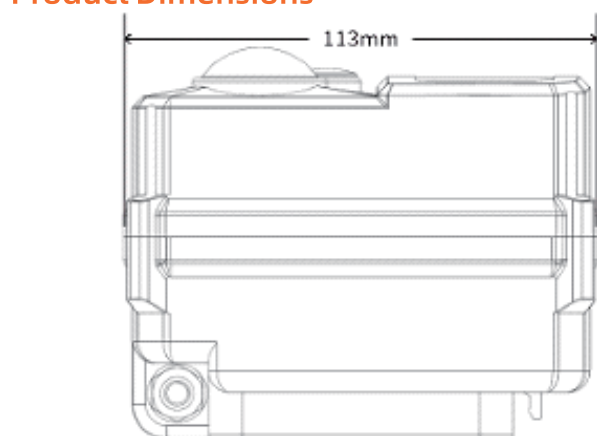
The motorized sanitary butterfly valve is a valve widely used in sanitary fluid systems. It is easy to install and has the following application features:

1. The material is selected from stainless steel 304, 316, 316L, etc., which have good corrosion resistance and high temperature resistance;
2. Sanitary design. The structural design of the motorized sanitary butterfly valve meets the hygienic requirements. The inside and outside of the valve body are smooth without dead corners, which is convenient for cleaning and disinfection and ensures the cleanliness of the fluid;
3. The sealing parts are made of food-grade silicone rubber and fluororubber to ensure sealing performance and hygienic standards;
4. The application fields of the sanitary butterfly valve include all food fields such as (milk, juice, soy sauce, pharmaceuticals).

Product Features

The motorized sanitary butterfly valve can be connected with control systems such as (PLC, DCS) and other equipment to improve the accuracy and stability of the process.

Product Dimensions



SIZE	A	B	C	D
φ19	50.5	127	64	71.5
φ25	50.5	127	64	71.5
φ32	50.5	127	70	71.5
φ38	50.5	127	70	71.5
φ45	64	127	72	74
φ51	64	127	74	79
φ57	77.5	127	76	83
φ63	77.5	137	76	88.5
φ76	91	137	78	92.5
φ89	106	160	78	99
φ102	119	160	85	107
φ108	119	160	85	107
φ114	130	160	106	112
φ133	145	210	128/100	128
φ152	167	210	132/110	146
φ159	183	210	132	146
φ203	217.7	295	134	193
φ219	233.5	295	134	193



Pneumatic Valve Manufacturer

Solid heavy-duty valve body, manufacturing process ensures the tightness of the valve as well as no leakage when switching

Various Specifications

Precision Casting

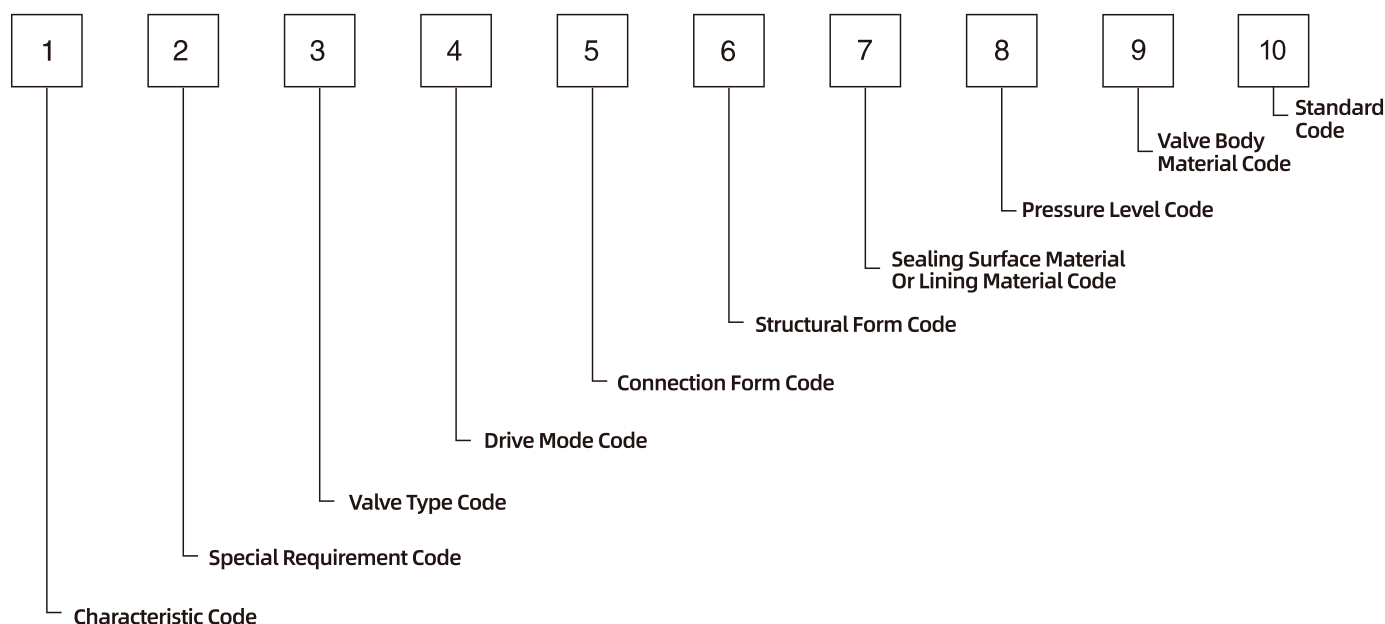
Quality Assurance

Sufficient Supply



Widely used in PCB, electroplating, painting, environmental protection power stations, boilers, petroleum, chemical industry, urban construction, medicine, fertilizer and other fields

Pneumatic Valve Model Code Instruction



1. Characteristic Code: The characteristic code of our company is QH.

2. Special Requirement Code: K=sulfur resistant type, D=low temperature type, B=insulated jacket type, L=extended valve stem type, Y=oxygen special type, W=sanitary type, V=V-type ball, FB=explosion-proof, G=high temperature.

3. Valve Type Code: Z=gate valve, J=stop valve, Q=ball valve, D=butterfly valve, G=diaphragm valve, X=plug valve, JF=angle seat valve.

4. Drive Mode Code: 6=pneumatic, 9=electric, 6S=pneumatic plus manual, 6K=pneumatic normally open, 6B=pneumatic normally closed.

5. Connection Type Code: 1=internal thread connection, 2=external thread connection, 4=flange connection, 6=welding, 7=clamp connection, 8=clamp connection.

6. Structural Code:

Gate Valve 1 = Wedge-type single gate, 2 = wedge-type double gate, 0 = wedge-type elastic gate, 3 = parallel single gate, 4 = parallel double gate.

Stop Valve 1 = Straight-through, 4 = angle, 5 = direct current.

Ball Valve 1 = Floating straight-through, 4 = floating L-type three-way, 5 = floating T-type three-way, 7 = fixed straight-through, 8 = fixed T-type three-way, 9 = Fixed L-type three-way, 0 = hemispherical straight-through.

Butterfly Valve 1 = Centerline straight plate, 3 = three-dimensional eccentric.

Diaphragm Valve 1 = Ridge type, 3 = stop type.

Plug Valve 3 = Straight-through, 4 = T-type three-way, 5 = four-way.

Angle Valve 1 = Oblique angle, 2 = right angle.

7. Sealing Surface Material or Lining Material Code: F = Polytetrafluoroethylene, P = Para-Polyphenylene, N = Nylon, X = Rubber, H = Alloy Steel, Y = Hard Alloy, J = Lined with Rubber, F4 = Lined with Polytetrafluoroethylene.

8. Pressure Level Code:

The nominal pressure of the GB standard is expressed in units of 10 times (Kgf/cm²) of MPa (megapascal), which are 6.0, 10, 16, 25, 40, 64, 100. The pressure levels of the ANSI standard are Class150, 300, 400, 600.

The pressure levels of the JIS standard are 10K, 20K, 40K.

9. Valve Body Material Code:

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. (The corresponding forged material is not listed in detail)

Note: For carbon steel cast valve bodies with PN ≥ 2.5MPa and pressure level ≥ Class150, this code is omitted.

10. Standard Code:

S-Standard; N-Nonstandard

Example 1: QHQ641F - 16P - DN50

It represents a pneumatic flange-connected full-bore floating stainless steel ball valve with a nominal pressure of 1.6MPa and a diameter of DN50 millimeters.

Example 2: QHD6S73H - 150 - 4"

It represents a pneumatic with manual wafer-type metal hard-sealed three-eccentric carbon steel butterfly valve with a pressure level of Class150 and a diameter of 4 inches.

Pneumatic Ball Valve Product Usage and Structural Features

The series of pneumatic ball valves are widely used in the fluid automatic control or regulation control in industries such as natural gas, oil products, chemical, metallurgy, papermaking, electric power, mining, printing and dyeing, biopharmaceutical, daily chemical, food and beverage, water treatment, and air treatment, and are used in conjunction with automated pneumatic instruments.

The structural features of the series of pneumatic ball valves are as follows:

- **Pneumatic Actuator:** The new AT series pneumatic actuator is adopted, and its structure has obtained the national utility model patent. It has double-acting and single-acting (spring return) types, and adopts a rack and pinion structure for transmission, with more safe and reliable performance; large-caliber valves adopt the AM series pneumatic actuator, which adopts a fork-type structure for transmission, with a reasonable structure and large output torque. It has double-acting and single-acting (spring return) types; for detailed parameters, please refer to the samples of the AT series and AW series pneumatic actuators of our company.
- **Shell Structure:** The valve body of the ball valve can be designed into three forms: casting structure, forging structure, and full welding structure according to the needs of use and actual working conditions. Among them, the ball valve with a full welding structure is mainly suitable for underground use.
- **Unique Seat Sealing Structure:** The floating ball valve adopts the lip-type elastic sealing ring structure design, and its structure has obtained the national utility model patent, which can better ensure the reliability and service life of the seal. For ball valves used in low-pressure, ultra-low-pressure, or vacuum conditions, the seat sealing structure with a leaf spring is adopted to ensure the reliable sealing of the ball valve for long-term use. For medium and high-temperature ball valves, the seat material can be selected from para-polyphenylene or metal materials. The fixed ball valve selects the ball front sealing structure, ball sealing structure, and front and rear double sealing thread according to the pressure, medium properties, and sealing requirements. For medium and high-temperature ball valves, the seat material can be selected from para-polyphenylene or metal materials.
- **Blockage and Drainage:** When the valve is in the closed state, the valve seats on the upstream and downstream sides block the liquid, and the accumulated matter in the middle cavity of the valve body can be drained through the drainage device. When the pressure in the middle cavity abnormally increases, the medium in the middle cavity can push the valve seat by its own thrust to automatically relieve the pressure, thereby ensuring the safety of the valve body.
- **Reliable Sealing of the Valve Stem:** The valve stem adopts a bottom-mounted structure with a back seal, and the sealing force of the back seal increases with the increase of the medium pressure, so it can ensure the reliable sealing of the valve stem. Moreover, when the valve abnormally pressurizes, the valve stem will not eject.
- **Fireproof Structure:** According to the working conditions and the needs of users, the ball valve can be designed as a fireproof structure. The fire-resistant design of the ball valve complies with the provisions of standards such as API6D and JB/T6899. In the event of a fire that damages the soft sealing ring, the fireproof structure of the ball valve can prevent a large amount of medium leakage and prevent the further expansion of the fire.
- **Anti-Static Structure:** When operating the valve, due to the friction between the ball and the valve seat, electrostatic charges will be generated and accumulated on the ball. To prevent the generation of electrostatic sparks, an anti-static conduction device is specially set on the valve to conduct the charges accumulated on the ball.
- **Full Bore Structure and Reduced Bore Structure:** To meet the different needs of users, Qeehua Company's ball valve products have two series: full bore and reduced bore. The inner diameter of the channel of the full bore ball valve is consistent with the inner diameter of the pipeline, which is convenient for management and cleaning, while the weight of the reduced bore series ball valve is relatively light, but the fluid resistance is only about 1/7 of the globe valve of the same diameter. Therefore, the application prospect of the reduced bore series ball valve is relatively wide.

Product Performance Specifications

Pressure Class		Nominal Pressure PN(MPa)					Pound Class			
		1.6	2.5	4.0	6.4	10.0	150	300	400	600
Test Pressure (Mpa)	Shell Test	2.4	3.75	6.0	9.6	15.0	3.03	7.5	10.2	15.0
	Sealing Test	1.76	2.75	4.4	7.04	11.0	2.2	5.5	7.48	11.0
	Gas Seal Test	0.6(MPa)								
Applicable Medium		Valve Body Material								
		C			P			R		
		Water, Steam, Oil, Liquefied Gas, etc.			Nitric Acid Corrosive Media, etc.			Acetic Acid Corrosive Media, etc.		
Special Medium		Natural gas media containing hydrogen sulfide; coal powder and aluminum powder conveying systems for steel and non-ferrous metal smelting; pulp conveying in the papermaking industry and other media containing particles and short fibers, etc.								

Product Overview

Pneumatic butterfly valve consists of a pneumatic actuator and a butterfly valve. It uses a rotating circular butterfly plate to open and close. Pneumatic valves are mainly used as cut-off valves, but can also have regulation or segment valve functions. Currently, they are used in low-pressure and medium-diameter pipeline applications. There are different types of pneumatic butterfly valves, such as stainless steel, hard-sealed, soft-sealed, and carbon steel. The butterfly valve's disc is installed in the pipe's diameter direction, rotates around the axis, and can be fully open at 90°. It has a simple structure, small size, and light weight, and is easy to operate. It also has good fluid control characteristics, with low pressure drop when fully open. There are two types of sealing: elastic and metal. For elastic sealing, the sealing ring can be in the valve body or on the butterfly plate's periphery.

Model: QHD67(4)1X(F, F4, J)

Caliber: DN50 - 1200mm

Pressure: 0.6, 1.0, 1.6, 2.5MPa; 150Lb, 300Lb;

Structure: Wafer-type Connection, Flange-type Connection

Size Standard: GB, ANSI

Valve Body Material: Cast Iron, Carbon Steel (WCB), Stainless Steel (CF8, CF8M)

Seat Material: Rubber (X), Polytetrafluoroethylene (F)

Acting Mode: Double Acting, Single Acting (Spring Return)

Control Mode: On-off Type, Regulating Type

Accessory Selection: Solenoid Valve, Positioner, Limit Switch, Air Source Treatment Trio, Manual Mechanism



Technical Specifications

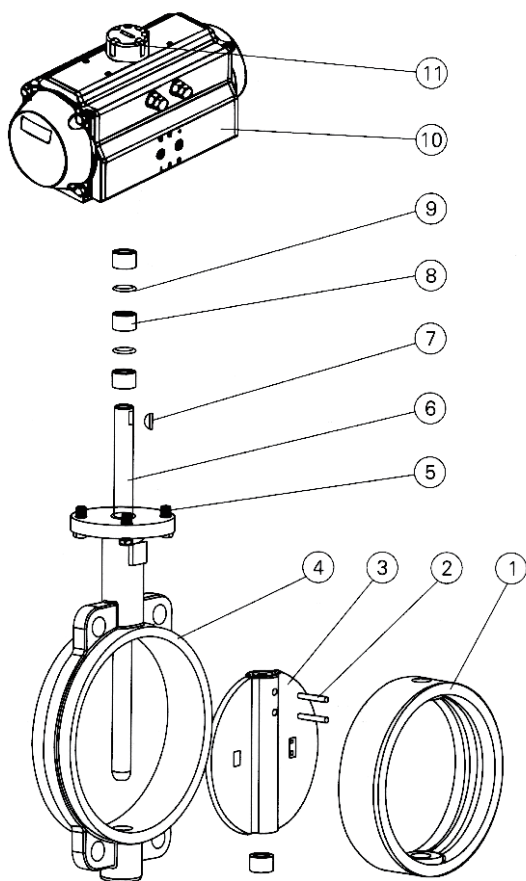
Design Basis		GB Standards
Design Standard		GB/12238
Structural Length	Flange Connection	GB/12221
Dimensions of Connecting Flange		GB/12221
Testing and Inspection		JB/T9002

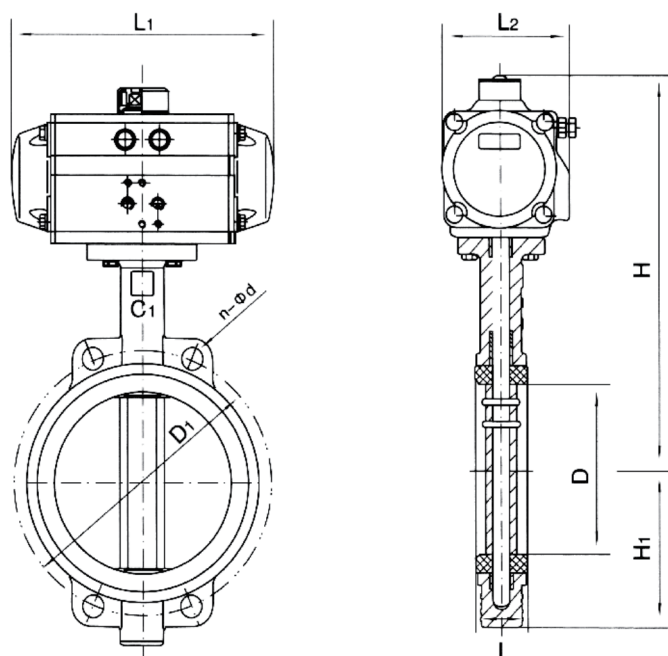
※ Note: The structural length and connection flange size of the series ball and butterfly can be designed and manufactured according to the user's requirements.

Main Parts Material Table

Serial Number	Name of Parts	Material		
		Z	C	P
1	Valve Seat	Rubber, PTFE		
2	Cone Pin	45 Steel	45 Steel	45 Steel
3	Butterfly Plate	Ductile Iron with Hard Chromium Plating	Carbon Steel or Stainless Steel	Stainless Steel
4	Valve Body	Gray Cast Iron	Carbon Steel	Stainless Steel
5	Bolt	35 Steel	Carbon Steel	Stainless Steel
6	Valve Stem	45 Steel	Stainless Steel	Stainless Steel
7	Key	45 Steel	45 Steel	Stainless Steel
8	Bushing	Copper-based Powder Metallurgy	Copper-based Powder Metallurgy	Copper-based Powder Metallurgy
9	O-ring	Rubber, Fluoroplastic		
10	Pneumatic Device	AT Series, AW Series		
11	Position Indicator	Plastic		

※ Note: The materials of the main components and sealing rings of the series ball valves can be designed and selected according to the actual working conditions or the special requirements of the users.





Main Connection Dimensions

Nominal Diameter DN	Outline Dimension					Connection Flange Dimension			Model of Actuator
	L	L1	L2	~H	H1	D	D1	n-φ d	
50	42	141/159	71/83	269/281	68	52.9	120	4-23	AT050D/AT063S
65	44.7	159/211	83/95	283/303	75	64.5	136.2	4-26.5	AT063D/AT075S
80	45.2	159/248	83/107	289/309	93	78.8	160	8-18	AT063D/AT088S
100	52.1	211/269	95/123	320/338	104	10.4	185	4-24.5	AT075D/AT100S
125	54.4	248/269	107/123	351/366	118	123.3	215	4-23	AT088D/AT100S
150	55.8	269/345	123/152	380/405	133	155.6	238	4-25	AT100D/AT125S
200	60.6	345/409	152/172	435/477	165	202.5	295	4-25	AT125D/AT145S
250	65.6	409/438	172/187	509/552	197	250.5	357	4-29	AT145D/AT160S
300	76.5	438/ 550	187/215	597/622	224	301.6	407	4-29	AT160D/AT190S
350	76.5	550/600	215/240	653/688	267	333.3	467	4-30	AT190D/AT210S
400	86.5	550/633	215/262	720/787	309	389.6	515	4-30	AT190D/AT240S
450	105.6	600/633	240/262	772/858	328	440.51	565	4-30	AT210D/AT240S
500	131.8	633/730	262/330	867/1004	361	491.5	620	4-33	AT240D/AT270S
600	152	730/1700	330/-	998/1220	459	592.5	725	4-36	AT270D/AW25S
700	163	1320/1970	-/-	1116/1282	520	695	840	4-36	AW25/AW28S
800	188	1430/2700	-/-	1330/1007	591	794.7	950	4-39	AW28/AW35S

※ Note: The data xxx and xxx are respectively the double-acting/single-acting (spring return) pneumatic actuators.

※ Note: The actuator model adapted according to different valve torques and working media may vary. The relevant dimensions change accordingly.

Pneumatic PVC Butterfly Valve

QHD671XP-10S Series

Ultra-low torque, beautiful appearance, high strength, corrosion resistance, long service life

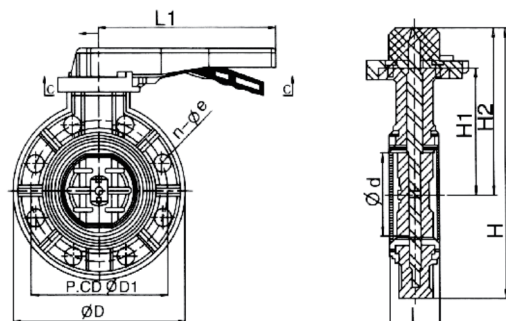
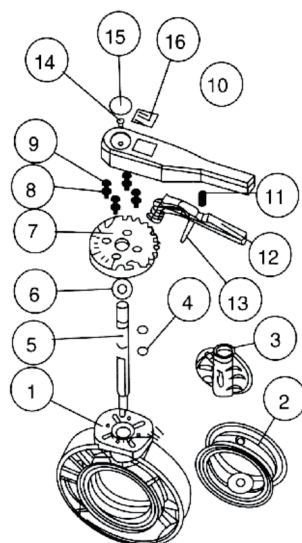
European style, exposed crankset, accurate positioning, extra-wide handle, metal bushing inlaid at the connection between the handle and the valve stem. Three-pronged auxiliary handle, sturdy and durable, butterfly plate reinforced rib design to ensure the safety of the pipeline system. Patented technology, the valve body and valve seat are integrally embedded to ensure low torque and make replacement more convenient.

Specification	DN50-DN400(2"-16")
Working Pressure	DN50-DN150 10Kg/cm2
Material	Dn200 6Kg/cm2
	PVC. CPVC. PPG
Standard	FRPP. PPH. PP-P. ABS. PE
	GB, DIN, ANSI, JIS

No.	Part Name	Material	QTY
1	Valve body	PVC. CPVC. PPG. PPH	1
2	Valve seat	EPDM. FPM	1
3	Valve ring	PVC. CPVC. PPG. PPH	1
4	O-ring	EPDM. FPM	2
5	Valve stem	STEEL.304.316	1
6	Stop block	ABS	1
7	Direction disk	ABS	1
8	Screw	STEEL	4
9	Screw cover	ABS	4
10	Handle	ABS	1
11	Spring	305	1
12	Auxiliary handle	ABS	1
13	Pin	STEEL	1
14	Bolt	STEEL	1
15	Trademark cover	ABS	1
16	LOGO specification label	ABS	1

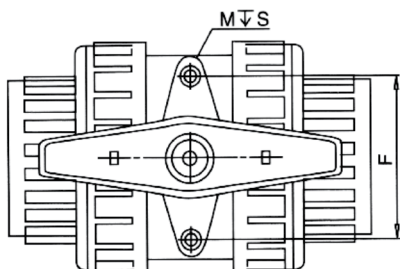
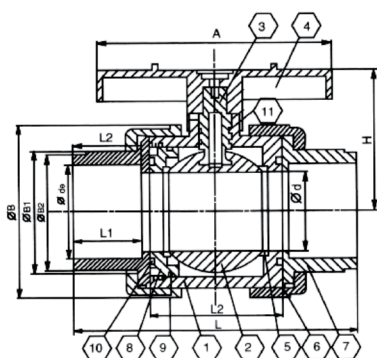
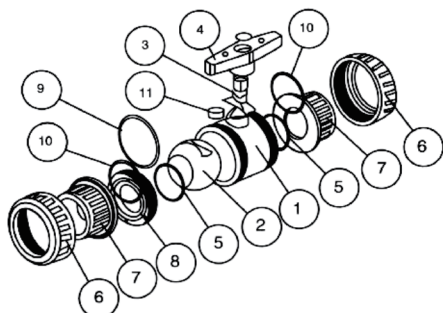
LOGO Specification Plate

PVC Butterfly Valve Size Table								
SIAE	"	2"	2 1/2"	3"	4"	5"	6"	8"
	DN	65	65	80	100	125	150	200
P.CD φ D1	φ D	160	180	196	228	258	287	344
	DIN	125	145	160	180	210	240	295
	ANSI	121	140	152	191	216	241	298
	JIS	120	140	150	175	210	240	290
	φ d	18	63	78	98	122	146	199
	L	43	46	49	54	64	70	88
	φ 1	124	124	124	124	170	170	170
	L1	190	190	240	240	310	310	310
	W	55	55	55	55	72	72	72
	H1	100	112	120	140	168	181	215
	H2	143	155	172	194	223	239	280
	H	223	245	270	380	352	382	452
n - φ e	DIN	4-19	4-19	8-19	8-19	8-19	8-23	8-23
	JNS	4-19	4-19	4-19	8-19	8-19	8-23	8-23
	JIS	4-19	4-19	8-19	8-19	8-19	8-23	12-23
	PSI	150	150	150	150	150	150	100
	MPa	1	1	1	1	1	1	0.6



Ultra-Low Torque, Beautiful Appearance, High Strength, Corrosion Resistance, Long Service Life

Full flow, PTFE ball valve, low torque, adjustable seat tightness with handle
After loosening the union, the valve remains intact and can be replaced.
Providing products with embedded copper nuts on the attached platform
Convenient for Installing Automatic Actuators



Specification	DN15-DN100(1/2" -4")
Working Pressure	10kg/cm ²
Material	PVC、CPVC、PPG/FRPP、PPH
Standard	GB, DIN, ANSI, JIS
	CNS PT NPT

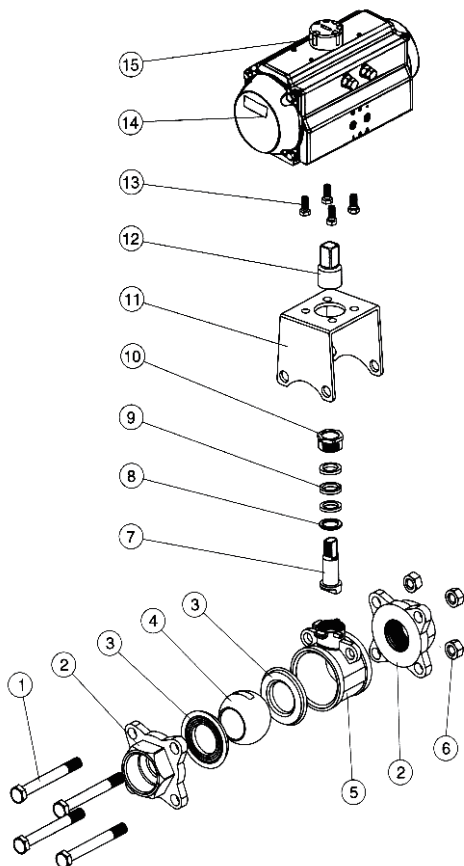
No.	Part Name	Material	Q/TY
1	Valve Body	PVC/CPVC/PPG/PPHABS	1
2	Ball	PVC/CPVC/PPG/PPHABS	1
3	Valve Stem	PVC/CPVC/PPG/PPHABS	1
4	Handle	ABS	1
5	Ball Seal	PTFE	2
6	Lock Nut	PVC/CPVC/PPG/PPH/ABS	2
7	Connection Pipe	PVC/CPVC/PPG/PPH/ABS	2
8	Sealing Bracket	PVC/CPVC/PPG/PPH/ABS	1
9	O Ring	EPDM/PPM	1
10	O Ring	EPDM/PPM	2
11	O Ring	EPDM/PPM	2

"	DN	D	NID/de	L1	L2	L	H	A	B	B1	B2	MXS	F
1/2"	15	15	20	21	47	99	50	72	54	34	32	3x7	30
3/4"	20	20	25	25	54	117	61	78	62	40	37	6x8	33
1"	25	25	32	29	62	132	68	85	72	47	45	6x11	40
1-1/4"	32	30	40	29	69	142	80	88	84	57	55	8x11	47
1-1/2"	40	38	50	31	80	158	89	108	95	64	61	8x11	52
2"	50	48	63	38	85	176	103	133	116	77	75	8x15	70
2-1/2"	65	65	75	58	124	256	128	220	147	97	90	10x15	95
3"	80	76	90	64	124	266	135	220	164	116	112	10x15	120
4"	100	100	100	90	139	337	163	250	204	137	131	12x20	150



Product Overview

The pneumatic three-piece ball valve only requires a 90-degree rotation operation with air and a very small rotational torque to close tightly. The completely equal inner cavity of the valve body provides a straight flow channel with little resistance for the medium. It is generally believed that the ball valve is most suitable for direct opening and closing use, but the development has designed the ball valve to have the functions of throttling and controlling the flow. The main characteristics of the ball valve are its compact structure, easy operation and maintenance, and it is suitable for general working media such as water, solvents, acids, and natural gas, and also suitable for media in harsh working conditions.



Technical Specifications

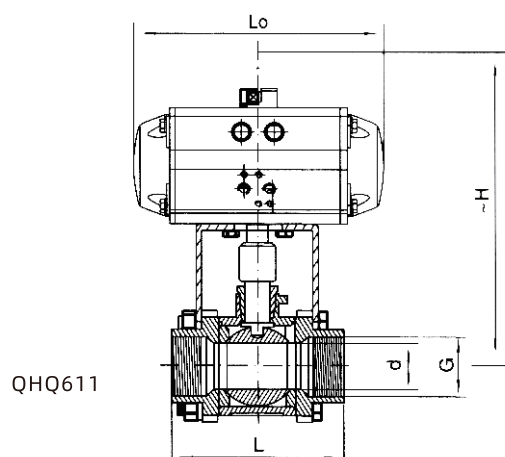
Design Basis	GB Standard	ANSI Standard
Design Standard	GB/12237	ANSI B16.34
Test and Inspection	JB/T9092	API598

※ Note: The structural length and connecting flange dimensions of the series ball valves can be designed and manufactured according to user requirements.

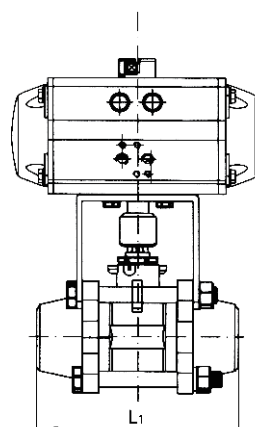
Main Parts Material List

No.	Part Name	Material
1	Bolt	Stainless Steel 304
2	Connector	Stainless Steel CF8、CF8M
3	Valve Seat	PTFE
4	Ball	Stainless Steel 304、316
5	Valve Body	Stainless Steel CF8、CF8M
6	Nut	Stainless Steel 304
7	Valve Stem	Stainless Steel 304、316
8	Gasket	PTFE
9	Packing	PTFE
10	Gland	Stainless Steel 304、316
11	Connection Bracket	Stainless Steel CF8
12	Connection Sleeve	Stainless Steel 304
13	Bolt	Stainless Steel 304
14	Pneumatic Actuator	AT Series
15	Position Indicator	Plastic

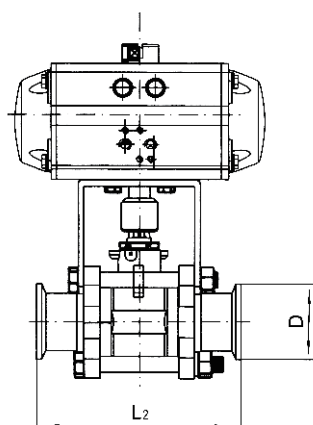
※ Note: The materials of the main components and sealing rings of the series ball valves can be designed and selected according to the actual working conditions or special requirements of users.



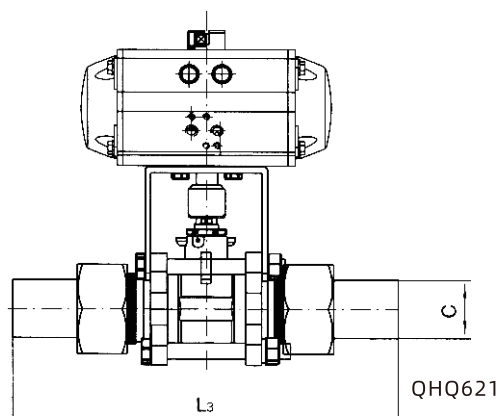
QHQ611



QHQ661



QHQ681



QHQ621

Main Connection Dimensions

Nominal Diameter		Connection Size										Model of Actuator
DN	in	d	L	G	L1	L2	D	L3	C	Lo	~H	
15	1/2	15	72	1/2"	70	100	34	170	21	141/159	159/175	AT050D/AT063S
20	3/4	20	82	3/4"	85	110	50.5	185	26	141/159	167/183	AT050D/AT063S
25	1	25	90	1"	95	120	50.5	200	31	141/211	172/215	AT050D/AT063S
32	1 1/4	32	112	1 1/4"	110	131	50.5	225	38	159/211	210/230	AT063D/AT075S
40	1 1/2	40	120	1 1/2"	201/209	98/108	50.5	260	46	211/248	218/248	AT075D/AT088S
50	2	50	145	2"	209/242	108/120	65	300	60	211/269	248/283	AT075D/AT100S
65	2 1/2	65	185	2 1/2"	242/275	120/132	77.5			248/315	273/320	AT088D/AT115S
80	3	80	210	3"	275/332	132/148	91			269/345	313/335	AT100D/AT125S

※Note: The valve structure length and connecting flange of the series ball valves are designed and manufactured according to the JB/T79 standard or user requirements.

※Note: The data xxx, xxx respectively refer to the double-acting and single-acting (spring return) types of the pneumatic actuator.

※Note: Depending on the torque of different valves and the medium used, the applicable actuator model may vary. Relevant dimensions will also change accordingly.

※Note: The above actuator configuration and data are all for soft-sealing (F, N, P) valves. For the configuration and data of hard-sealing valves, please consult our company.

Product Overview

The Pneumatic Flanged Ball Valve Mainly Consists of Components Such as the Valve Body, Ball, Valve Shaft, Sealing Ring, Packing, and Pressure Plate, etc.

The Working Principle of the Stainless Steel Pneumatic Ball Valve is to Make the Valve Open or Closed by Rotating the Valve Stem.

The Pneumatic Ball Valve Has the Advantages of Light Switching, Small Size, Can Be Made into a Large Diameter, Reliable Sealing, Simple Structure, Convenient Maintenance, and the Sealing Surface and the Spherical Surface Are Often in a Closed State, Not Easily Eroded by the Medium, and Is Widely Used in Various Industries.

The Pneumatic Flanged Ball Valve Is Mainly Used in the Pipeline to Achieve Fast Shut-Off, Distribution, and Change the Flow Direction of the Medium

The Pneumatic Ball Valve Is a New Type of Valve That Has Been Widely Used in Recent Years.

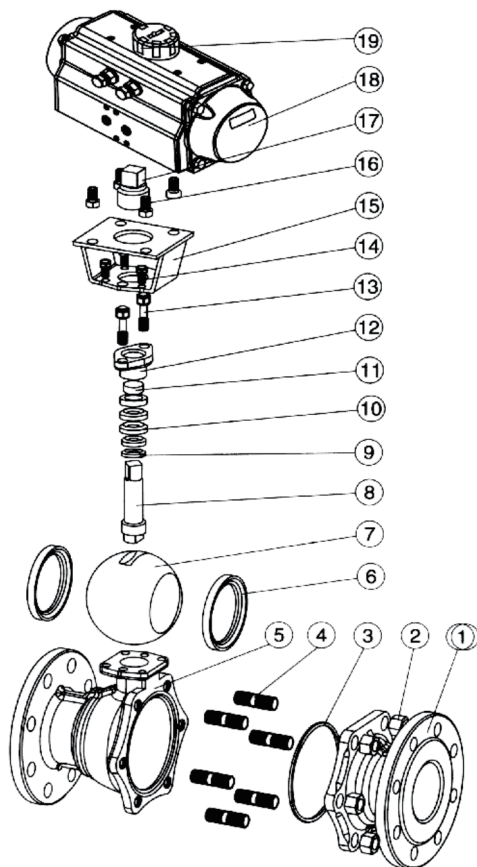


Technical Specifications

Design Basis		GB Standard
Design Standard		GB/12237
Structural Length	Flange Connection	GB/12221
Dimensions of Connecting Flange		GB/9113、JB/T79
Testing and Inspection		GB/T13927 JB/T9002

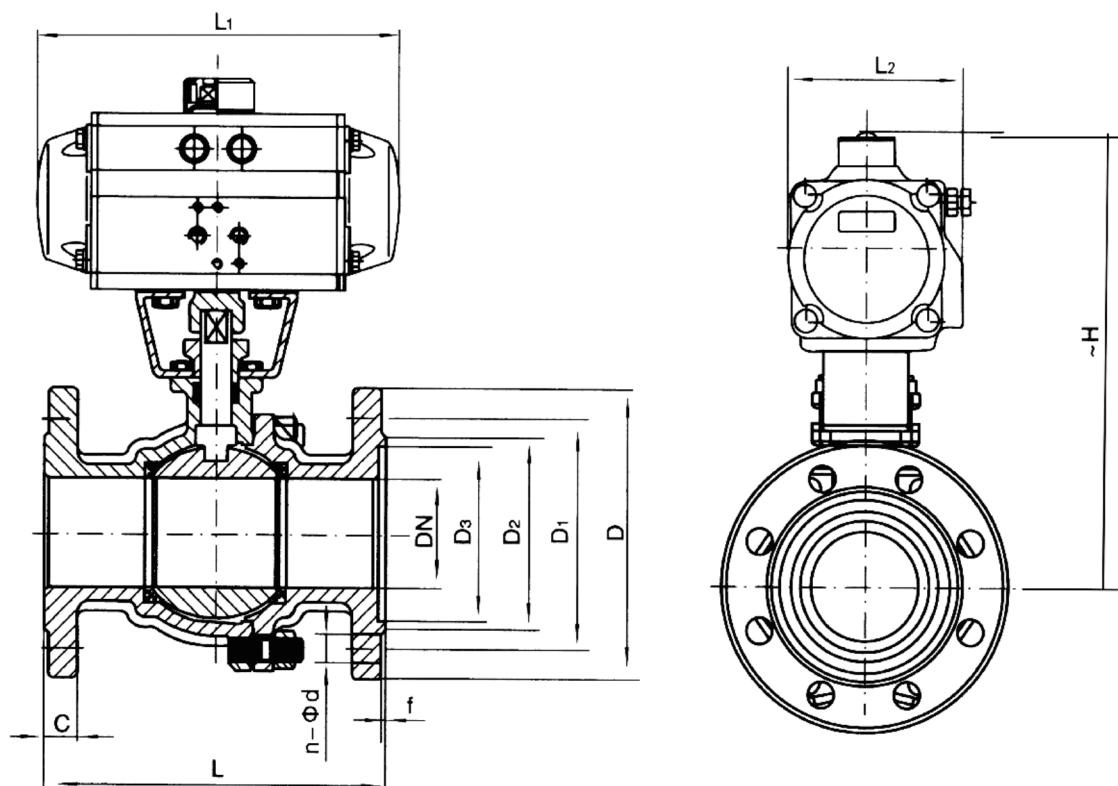
※ Note: The structural length and connecting flange dimensions of the series ball valves can be designed and manufactured according to user requirements.

Main Parts Material List



No.	Part Name	Material		
		C	P	R
1	Right Valve Body	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
2	Nut	35	1Cr18Ni9Ti	1Cr18Ni9Ti
3	Gasket	PTFE、Graphite Metal Composite Gasket.		
4	Bolt	35	1Cr18Ni9Ti	1Cr18Ni9Ti
5	Valve Body	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
6	Valve Seat	PTFE	PTFE	PTFE
7	Ball	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
8	Valve Stem	1Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
9	Gasket	PTFE	PTFE	PTFE
10	Packing	PTFE	PTFE	PTFE
11	Bushing	PTFE	PTFE	PTFE
12	Gland	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
13	Bolt	35	1Cr18Ni9Ti	1Cr18Ni9Ti
14	Bolt	35	1Cr18Ni9Ti	1Cr18Ni9Ti
15	Connection Bracket	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni9Ti
16	Bolt	35	1Cr18Ni9Ti	1Cr18Ni9Ti
17	Connection Sleeve	35	1Cr18Ni9Ti	1Cr18Ni9Ti
18	Pneumatic Device	AT Series、AW Series		
19	Position Indicator	Plastic	Plastic	Plastic

※ Note: The materials of the main components and sealing rings of the series ball valves can be designed and selected according to the actual working conditions or the special requirements of the users.



Main Connection Dimensions

Nominal Diameter DN	Outline Dimension				Connection Dimension						Actuator Model
	L	L1	L2	~H	D	D1	D2	C	f	n-φd	
15	130	141/159	71/83	204/235	95	65	46	14	2	4-φ14	AT050D/AT063S
20	140	141/159	71/83	209/240	105	75	56	16	2	4-φ14	AT050D/AT063S
25	150	159/211	83/95	214/256	115	85	65	16	2	4-φ14	AT050D/AT075S
32	165	159/248	83/107	257/277	140	100	76	18	3	4-φ18	AT063D/AT088S
40	180	211/248	95/107	274/292	150	110	84	18	3	4-φ18	AT075D/AT088S
50	200	248/269	107/123	290/300	165	125	99	20	3	4-φ18	AT088D/AT100S
65	220	248/315	107/141	310/335	185	145	118	20	3	4-φ18	AT088D/AT115S
80	250	269/245	123/152	346/368	200	160	132	20	3	8-φ18	AT100D/AT125S
100	280	345/409	152/172	378/410	220	180	156	22	3	8-φ18	AT125D/AT145S
125	320	409/550	172/215	425/450	250	210	184	22	3	8-φ18	AT145D/AT190S
150	360	550/600	215/240	468/531	285	240	211	24	3	8-φ22	AT190D/AT210S
200	400	600/663	240/262	583/618	340	295	266	24	3	12-φ22	AT210D/AT240S

※Note: The valve structure length and connecting flange of the series ball valves are designed and manufactured according to the JB/T79 standard or user requirements.

※Note: The data xxx, xxx respectively refer to the double-acting and single-acting (spring return) types of the pneumatic actuator.

※Note: Depending on the torque of different valves and the medium used, the applicable actuator model may vary. Relevant dimensions will also change accordingly.

※Note: The above actuator configuration and data are all for soft-sealing (F, N, P) valves. For the configuration and data of hard-sealing valves, please consult our company.



Product Overview

Adopting standard electronic polishing, the smooth surface ensures cleanliness, there is no medium accumulation area, and no potential pollution will be generated. The quick disassembly and assembly valve makes the valve opening and maintenance quick and easy, and shortens the process downtime. It is widely used in food, pharmaceutical, cosmetic, clean steam, wine, beverage, biochemical industrial process control occasions. It has the advantages of compact structure and convenient assembly and disassembly.

- Novel Design, Reasonable, Unique Structure, Light Weight, Quick Opening and Closing
- Small Operating Torque, Convenient Operation, Labor-Saving and Flexible
- Sealing Materials Are Aging-Resistant, Corrosion-Resistant, and Have a Long Service Life, etc.
- Can Be Installed in Any Position and Is Convenient for Maintenance

Caliber: DN20 ~ 150mm

Pressure: 0.6, 1.0, 1.6MPa

Size Standard: National Standard, ISO

Connection Method: Welding Type, Wafer Type, Clamp Type, Thread Type,

Valve Body Material: Stainless Steel (304, 304L, 316, 316L)

Valve Seat Material: Rubber (X), Fluorine Rubber (F)

Actuating Mode: Double Acting, Single Acting (Spring Return)

Control Mode: On/Off Type, Regulating Type

Accessory Selection: Solenoid Valve, Positioner, Limit Switch, Air Source Processing Triple Piece

Technical Specifications

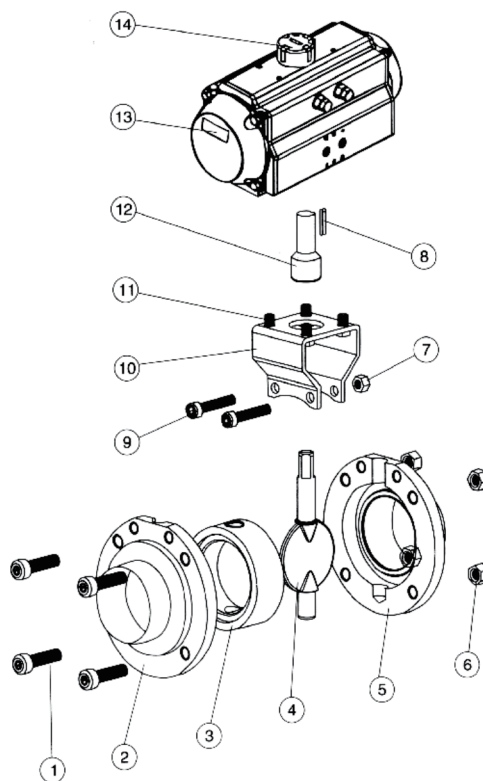
Design Basis	GB Standard
Design Standard	GB/T2238-1989
Test and Inspection	JB/T9092

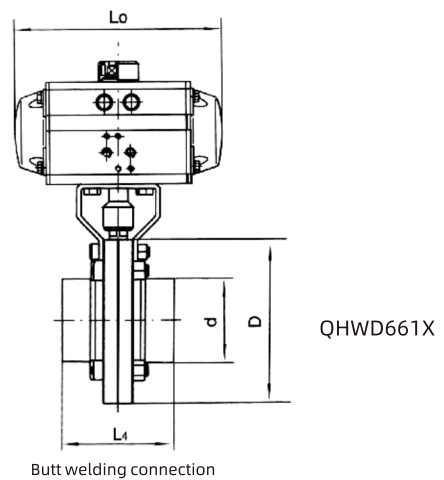
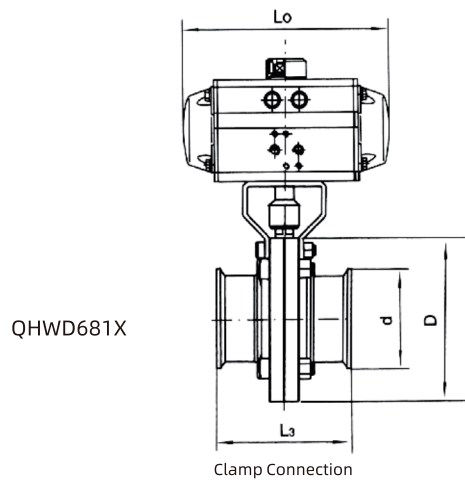
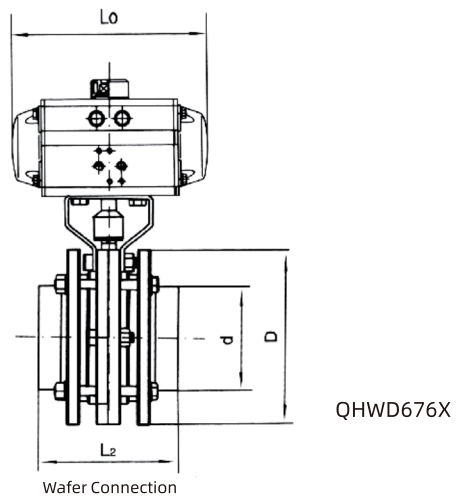
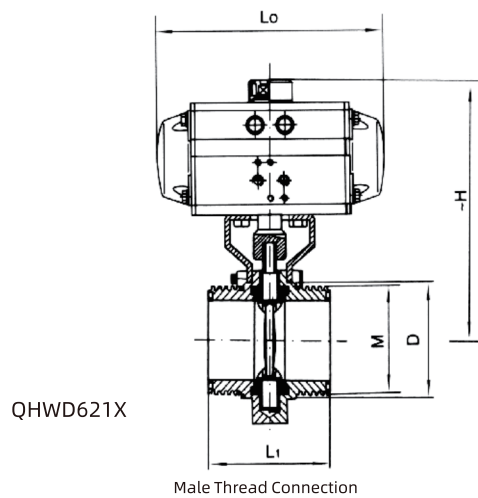
※ Note: The structural length and connection dimensions of the series butterfly valves can be designed and manufactured according to user Requirements.

Main Parts Material List

No.	Part Name	Material
1	Bolt	Stainless Steel 304
2	Left Valve Body	Stainless Steel 304、304L、316、316L
3	Valve Seat	Food Grade Rubber
4	Disc	Stainless Steel 304、304L、316、316L
5	Right Valve Body	Stainless Steel 304、304L、316、316L
6	Nut	Stainless Steel 304
7	Nut	Stainless Steel 304
8	Key	Stainless Steel 304
9	Bolt	Stainless Steel 304
10	Connection Bracket	Stainless Steel 304
11	Bolt	Stainless Steel 304
12	Connection Sleeve	Stainless Steel 304
13	Pneumatic Device	AT Series Pneumatic Actuator
14	Position Indicator	Plastic

※ Note: The materials of the main components and sealing rings of the series butterfly valves can be designed and selected according to the actual working conditions or special requirements of users.





Outline Connecting Size

Main Connecting Dimensions

Specifi- cation	QHWD621X			QHWD676X			QHWD681X			QHWD661X			Lo	~H	Actuator Model
	L1	D	M	L2	D	d	L3	D	d	L4	D	d			
19				100	78	19.05	66	78	50.5	66	78	19.5	141/141	157/557	AT050D/AT050S
25	66	78	40X1/6	100	78	25.4	66	78	50.5	66	78	25.4	141/141	157/557	AT050D/AT050S
32	66	78	48X1/6	100	78	31.8	66	78	50.5	66	78	31.8	141/141	157/557	AT050D/AT050S
38	70	86	60X1/6	100	86	38.1	66	86	50.58	70	86	38.1	141/141	157/557	AT050D/AT050S
51	76	102	70X1/6	104	102	50.8	72	102	64	76	102	50.8	141/159	171/180	AT050D/AT063S
57	76	102	70X1/6	104	102	50.8	76	107	77.5	76	102	50.8	141/159	171/180	AT050D/AT063S
63	80	115	85X1/6	112	115	63.5	76	115	77.5	80	115	63.5	141/159	169/169	AT063D/AT063S
76	84	128	98X1/6	112	128	76.1	76	128	91	84	128	76.1	159/211	194/208	AT063D/AT075S
89				120	139	88.9	84	139	106	90	139	88.9	159/248	200/224	AT063D/AT088S
102	104	159	132X1/6	128	155	101.6	90	155	119	102	155	101.6	211/248	220/242	AT075D/AT088S
108				128	159	108	90	159	119	108	159	108	211/269	223/245	AT075D/AT100S

※ Note: The Valve Structure Length and Connecting Flange of the Series Ball Valves Are Designed and Manufactured According to the JB/T79 Standard or User Requirements.
 ※ Note: The data xxx, xxx respectively refer to the double-acting and single-acting (spring return) types of the pneumatic actuator.

Pneumatic Three-Way Flanged Ball Valve

QH641F-16P Series



Caliber: DN15 - 300mm

Pressure: 16, 25, 40, 6.4MPa; 150Lb, 300Lb, 600Lb;

Structure: Flanged, Internal Threaded

Size Standard: National Standard, American Standard, Japanese Standard

Valve Body Material: Carbon Steel (WCB), Stainless Steel (CF8, CF8M, CF3, CF3N)

Valve Seat Material: Polytetrafluoroethylene (F), Para-Polycondensed PPL (P), Nylon (N), Hard Alloy (H, Y)

Actuating Mode: Double Acting, Single Acting (Spring Return)

Control Mode: Reversing, Diverting, Combining

Accessory Selection: Solenoid Valve, Positioner, Limit Switch, Air Source Processing Triple Piece, Manual Mechanism

Working Principle of the Three-Way Flanged Ball Valve:

When the ball valve rotates 90 degrees, the spherical surface should appear completely at the inlet and outlet, thus closing the valve and interrupting the flow of the medium.

When the ball valve rotates back 90 degrees, the ball mouth should appear completely at the inlet and outlet, thus commencing the flow, and there is basically no flow resistance.

Features of the Three-Way Flanged Ball Valve:

1. The ball valve is not limited by the installation direction, and the flow direction of the medium can be arbitrary. The fluid resistance is small, and the full-bore ball valve has basically no flow resistance.
2. The ball valve has a simple structure, relatively small volume, light weight, and is easy to maintain.
3. It is tightly reliable. It has two sealing surfaces, and currently, the sealing surfacematerials of the ball valve widely use various plastics, with good sealing performance and can achieve * sealing. It is also widely used in vacuum systems.
4. The ball valve is suitable for frequent operation, quick opening and closing, and lightweight. It is convenient to operate, opens and closes quickly, and only needs to rotate 90° from full open to full close, facilitating remote control.
5. It is convenient for maintenance. The ball valve has a simple structure, and the sealing ring is generally movable, making disassembly and replacement more convenient.
6. The ball valve has good sealing performance. When fully open or fully closed, the sealing surfaces of the ball and the valve seat are isolated from the medium, and when the medium passes through, it will not cause erosion of the valve sealing surface.
7. It has a wide range of applications, with diameters ranging from a few millimeters to several meters, and can be applied to both high vacuum and high pressure conditions.
8. Since the ball valve has a wiping property during the opening and closing process, it can be used in media with suspended solid particles.
9. The ball valve has low fluid resistance, no vibration, and low noise.

Main Connecting Dimensions

Nominal Diameter		Outline Dimension					Connection Flange Dimension						Actuator Model
mm	in	L	Lo	L1	L2	~H	D	D1	D2	C	f	n-φd	
15	1/2	150	72	141/159	71/83	204/235	95	65	46	14	2	4-φ14	AT050D/AT063S
20	3/4	150	80	159/211	83/95	240/252	105	75	56	16	2	4-φ14	AT063D/AT075S
25	1	180	90	211/248	95/107	257/265	115	85	65	16	2	4-φ14	AT075D/AT088S
32	1 1/4	200	100	211/248	95/107	277/312	140	100	76	18	3	4-φ18	AT075D/AT088S
40	1 1/2	220	110	248/269	107/123	292/317	150	110	84	18	3	4-φ18	AT088D/AT100S
50	2	240	120	248/345	107/152	325/347	165	125	99	20	3	4-φ18	AT088D/AT125S
65	2 1/2	260	130	315/409	141/172	357/389	185	145	118	20	3	4-φ18	AT115D/AT145S
80	3	280	140	345/409	152/172	368/400	200	160	132	20	3	8-φ18	AT125D/AT145S
100	4	320	160	409/550	172/215	410/498	220	180	156	22	3	8-φ18	AT145D/AT190S
125	5	380	190	438/600	187/240	470/538	250	210	184	22	3	8-φ18	AT160D/AT210S
150	6	440	220	550/663	215/262	556/591	285	240	211	24	3	8-φ22	AT190D/AT240S
200	8	550	260	600/730	210/330	648/687	340	295	266	24	3	12-φ22	AT210D/AT270S

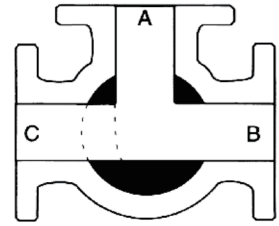
※ Note: The Valve Structure Length and Connecting Flange of the Series Ball Valves Are Designed and Manufactured According to the JB/T79 Standard or User Requirements.

※ Note: The data xxx, xxx respectively refer to the double-acting and single-acting (spring return) types of the pneumatic actuator.

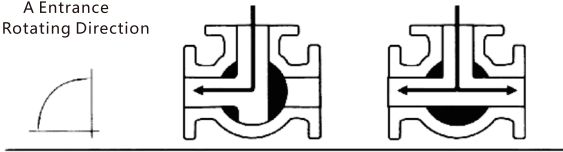
※ Note: Depending on the torque of different valves and the medium used, the applicable actuator model may vary. Relevant dimensions will also change accordingly.

Medium Flow Direction Diagram of Three-Way Ball Valve

The three-way ball valve is used for reversing, diverting or merging flows. It is a multi-port ball valve with two-sided or four-sided valve seats. Any port can be used as an inlet without leakage. The three-way valve can be made into an L-type port or a T-type port.



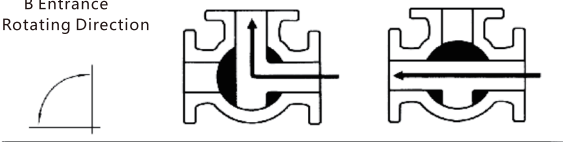
A Entrance
90 Rotating Direction



90 Rotating Direction



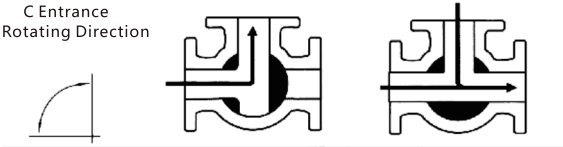
B Entrance
90 Rotating Direction



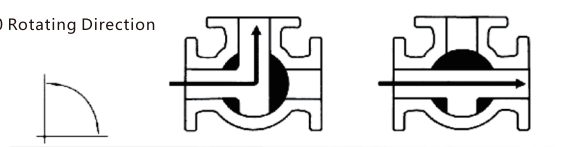
90 Rotating Direction



C Entrance
90 Rotating Direction

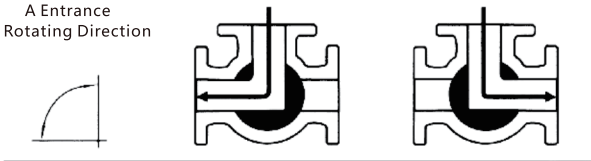


90 Rotating Direction

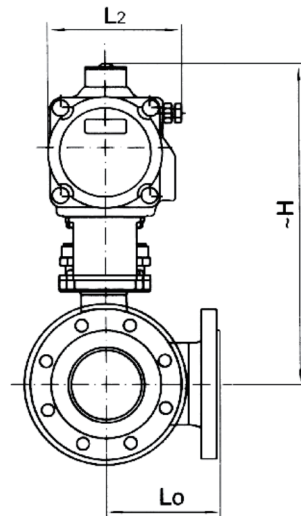
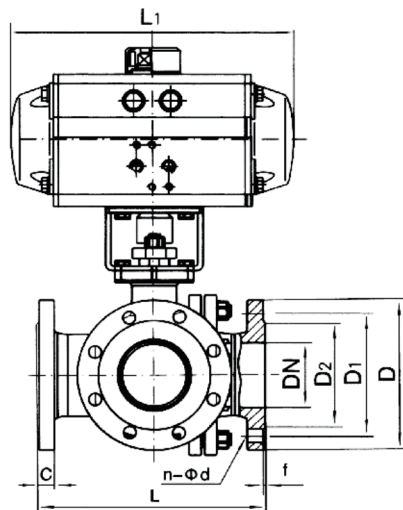


L-Type Port

A Entrance
90 Rotating Direction



Switch-over Entrance of C and B
90 Rotating Direction



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