



ZheJiang Hico Industrial Equipment Co.,Ltd

| www.zjxkgk.cc |

ZheJiang Hico Industrial Equipment Co.,Ltd



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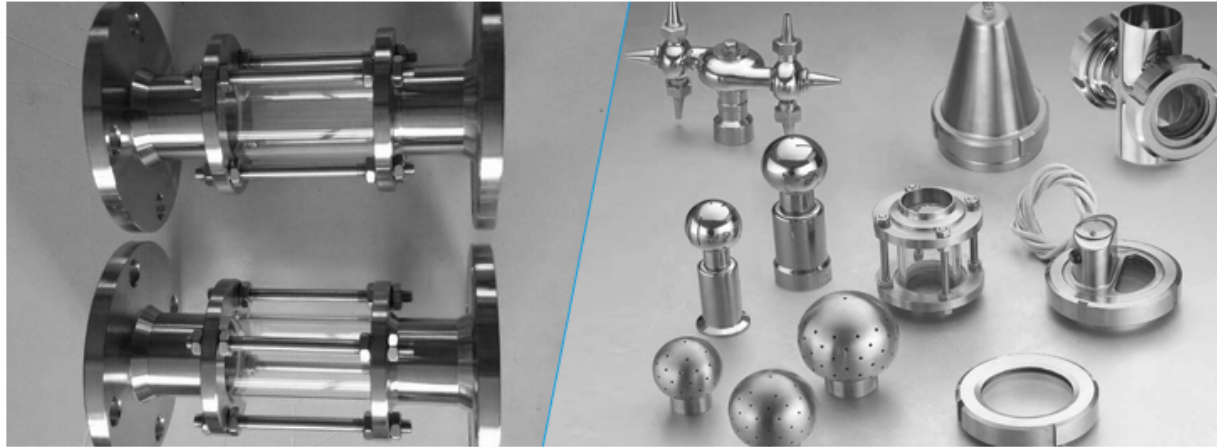
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Professional sanitary valves&fittings supplier,supply and marketing worldwide.

» **SIGHT GLASS,CLEANING BALL,
NON-STANDARD CUSTOM**

XK GK brand Move forward with Quality



Zhejiang Hico Industrial Equipment Co.,Ltd is a design development,manufacturing and sales Service company,we are a professional valve fittings suppliers,we had over 25 year design, Sales and manufacturing experience .

Zhejiang Hico industry located in the" China Valve City" ,Wenzhou City. Binhai Industry Zone, Where is the most biggest Industry Zone in Wenzhou.

Hico specializes in designing, producing and selling high-precision sanitary valve, butterfly valves, Diaphragm valve, check valves, sample valve,sanitary fittings, sanitary unions, tri-clamp unions, elbows, tees and all kinds of valves and pipeline connectors. They are widely used in food, beverage, pharmaceutical, bio engineering, water treatment, and other industries.

All of our products are strictly designed and manufactured according to international standards, such as DIN, SMS, 3A, IDF, ISO and RJT. The quality meets the full requirements of GMP, ISO9001 and CE safety standards. Our products are well recognized by clients in Europe, South America, North America, Southeast Asia, the Middle East countries and so on.

Honestly, quality and development are our company culture. HICO people always perfectly combine the high-quality materials, sophisticated designs, strict manufacture process with a quality assurance system, and try our best to offer the best and high-quality products to our customers.

How XK GK manufacture" Sight Glass "

Application:

The sight glass is widely used in food,wine-produceing,beverage,and pharmacy industries etc. for it is convenient to view the condition of equipment running state and system work state.

Standard Design:

XK GK have straight sight glass,sight glass with lamp and cross sight glass.The straight sight glass can be installed in horizontal or vertical,it also can 360 ° view through the glass defence.It is suitable for on-line view of the pipeline.Sight glass with lamp is a type of sight glass with union,it can work under the lower light according the lamp,and disassembling easy. So it is suitable to the view of tank equipment.

Technical Data:

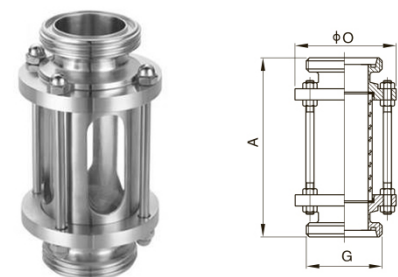
Working temperature:
-20~+135℃ (when the sealing is EPDM.)

Sanitary Sight Glass



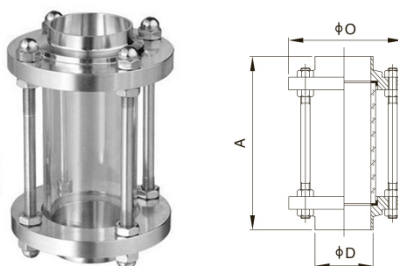
Material:

Steel parts: 304 or 316L
The material of GLASS LENS glass:
silicon boride glass(straight sight glass)
silicon boride, tempered glass(sight glass with union)
Sealing elements:EPDM(standard configuration) NBR,PTFE(match)



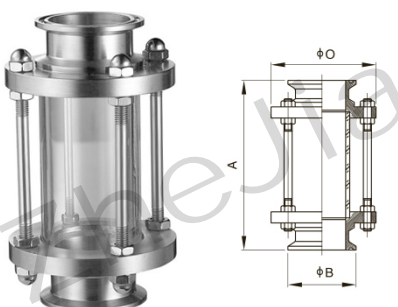
Threaded straight sight glass

Size	A	G	O
DN25	154.0	RD52 × 1/6	78.0
DN32	156.0	RD58 × 1/6	82.0
DN40	156.0	RD65 × 1/6	88.0
DN50	166.0	RD78 × 1/6	110.0
DN65	176.0	RD95 × 1/6	127.0
DN80	184.0	RD110 × 1/4	140.0
DN100	200.0	RD130 × 1/4	160.0



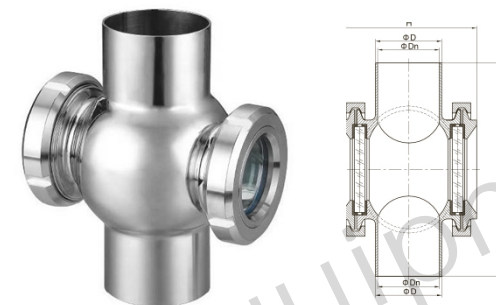
Welded straight sight glass

Size	A	D	O
DN25	140.0	28.0	78.0
DN32	140.0	34.0	80.0
DN40	140.0	40.0	80.0
DN50	142.0	52.0	100.0
DN65	144.0	70.0	127.0
DN80	148.0	85.0	140.0
DN100	152.0	104.0	160.0



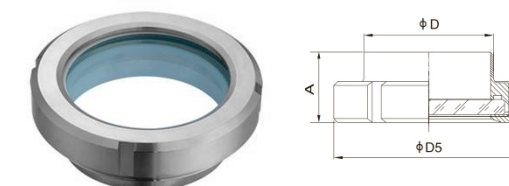
Clamped straight sight glass

Size	A	B	O
DN25	156.0	50.5	78.0
DN32	156.0	50.5	80.0
DN40	160.0	50.5	80.0
DN50	166.0	64.0	100.0
DN65	168.0	91.0	127.0
DN80	172.0	106.0	140.0
DN100	194.0	119.0	160.0



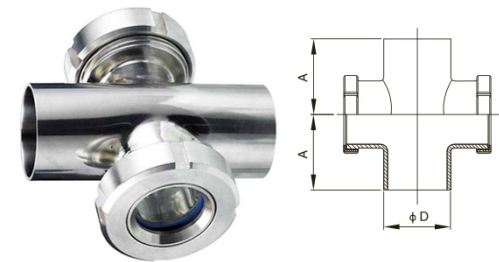
Four-way spherical sight glass

Size	D	Dn	H	L
DN25	28	25	67	90
DN32	34	31	78	100
DN40	40	37	83	130
DN50	52	49	99	165
DN65	70	66	125	205
DN80	85	81	145	250
DN100	104	100	168	300



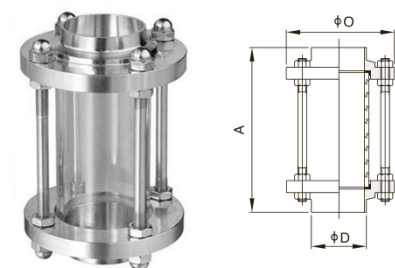
Union-type sight glass

Size	DIN11851		D5	DIN11850	
	A	D		A	D
DN25	35.0	31.0	62.0	28.0	28.0
DN32	38.0	37.0	68.0	28.0	34.0
DN40	40.0	43.0	78.0	28.0	40.0
DN50	42.0	55.0	92.0	28.0	52.0
DN65	47.0	72.0	110.0	30.0	70.0
DN80	52.0	87.0	126.0	33.0	85.0
DN100	62.0	106.0	146.0	38.0	104.0
DN125	52.0	132.0	178.0	40.0	129.0
DN150	66.0	157.0	208.0	42.0	154.0



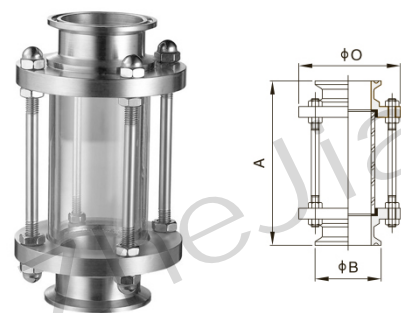
Cross sight glass

Size	A	D
1"	25	33.5
1 1/4"	32	38.0
1 1/2"	38	48.5
2"	51	60.5
2 1/2"	63	83.5
3"	76	88.5
4"	102	127.0



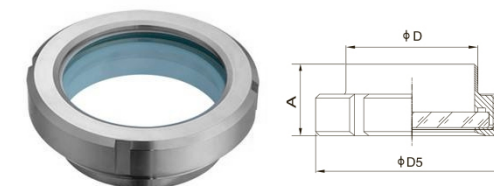
Welded straight sight glass

Size	A	D	O
1"	25	140.0	25.4
1 1/4"	32	140.0	31.8
1 1/2"	38	140.0	38.1
2"	51	140.0	50.8
2 1/2"	63	144.0	63.5
3"	76	144.0	76.2
3 1/2"	89	148.0	89.0
4"	102	152.0	101.6



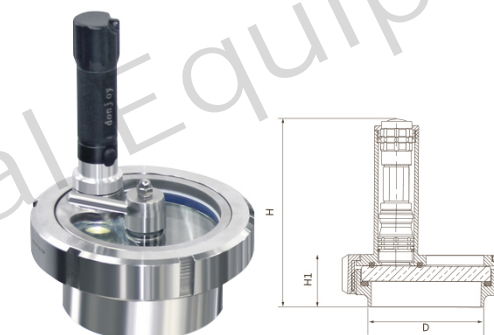
Clamped straight sight glass

Size	A	B	O
1"	25	156.0	50.5
1 1/4"	32	156.0	50.5
1 1/2"	38	160.0	50.5
2"	51	166.0	64.0
2 1/2"	63	168.0	77.5
3"	76	172.0	91.0
3 1/2"	89	178.0	106.0
4"	102	194.0	119.0



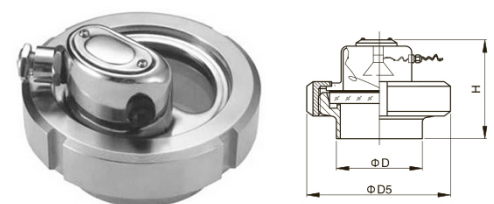
Union-type sight glass

Size	A	D	D5
25	25.0	25.4	50.0
32	25.0	31.8	60.0
38	28.0	38.1	72.0
51	28.0	50.8	82.0
63	32.0	63.5	98.0
76	33.0	76.2	114.0
89	34.0	88.9	125.0
102	36.0	101.6	150.0



No cable light endoscopy

Size	D	H	H1
DN65	70	121.5	31
DN80	85	123.5	33
DN100	104	126.5	37
DN125	129	127.5	38
DN150	154	133.5	45



Sight indicator sight glass

Size	H	D	D5
DN80	90.0	87.0	126.0
DN100	100.0	106.0	146.0
DN125	90.0	132.0	178.0
DN150	96.0	157.0	208.0

How XKGK manufacture" Cleaning Ball "

Cleaning ball



Application:

Rotary cleaning ball: it' s a kind of rotary sprayer,which use cleanser to spray strongly and clean inside of the tank. It is one which is effective replace the traditional fixed cleaning ball for it can be used under low pressure with less deteFTent.The rotary sprayer use dual ball bearing, so it is suitable for the sanitary and industrial application,include tank,reactor,vessel etc.

Fixed cleaning ball:it' s a type of fixed spray ball of cleaning storage tank.The fixed spray ball is use to cleaning task with lower requirment.

Work Principle:

Rotary cleaning ball: The cleaning solution make the sprayer rotary by it's motive power, then the fun jet created the whole tank and reactor with vortex. In that way, clean the remains of vessel surface effectively, reach the function of cleaning.

Fixed cleaning ball:the cleaning ball is through the sprayer small hole, create the injection all around.In that way, clean the remains of vessel surface effectively,reach the function of cleaning.

Design Standard:

XKGK have the standard of cleaning ball series as follows:DIN,3A,SMS, ISO/IDF

Material:

Ferrule: 304/316L
Sprayer: 304/316L

Technical Data:

As per specification
Lubrication by the cleaner itself.
Working pressure: 1-3Bar
Max. working temperature: 95°C
Max. ambient temperature: 140°C
Moist radius:max.3M
Inject cleaning radius:
max. effective radius 2M
Connector: weld, clamp, thread.



Rolling cleaning ball



Double-circulating bull-horn type water-driven tank cleaner



Fixed cleaning ball

Cleaning ball

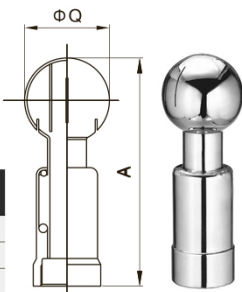


Threaded Rotary cleaning ball

Size	A	Q
1"	140.0	53.0
1 1/4"	160.0	53.0
1 1/2"	170.0	53.0
2"	192.0	76.0
2 1/2"	220.0	910.0

Technical parameter

Size	Pressure (bar)	Cleaning radius(m)	Fluxation m³/h
1"-1.5"	2	1.25	12
2"	2	1.5	38
2.5"	2	2.0	38

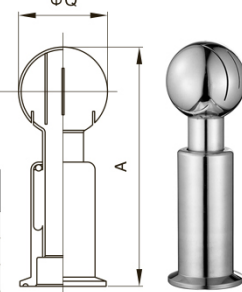


Clamped Rotary cleaning ball

Size	A	Q
1"	138.0	53.0
1 1/4"	138.0	53.0
1 1/2"	138.0	53.0
2"	168.0	63.0
2 1/2"	190.0	76.0

Technical parameter

Size	Pressure (bar)	Cleaning radius(m)	Fluxation m³/h
1"-1.5"	2	1.25	12
2"	2	1.5	38
2.5"	2	2.0	38

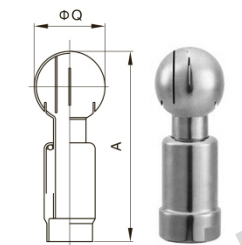


Bolted Rotary cleaning ball

Size	A	Q
1"	135.0	53.0
1 1/4"	137.0	53.0
1 1/2"	137.0	53.0
2"	168.0	63.0
2 1/2"	190.0	76.0

Technical parameter

Size	Pressure (bar)	Cleaning radius (m)	Fluxation m³/h
1"-1.5"	2	1.25	12
2"	2	1.5	38
2.5"	2	2.0	38

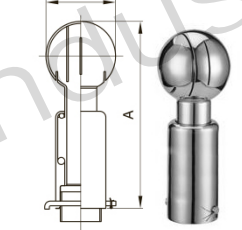


Welded Rotary cleaning ball

Size	A	Q
1"	143.0	53.0
1 1/4"	145.0	53.0
1 1/2"	145.0	53.0
2"	180.0	63.0
2 1/2"	200.0	76.0

Technical parameter

Size	Pressure (bar)	Cleaning radius(m)	Fluxation m³/h
1"-1.5"	2	1.25	12
2"	2	1.5	38
2.5"	2	2.0	38

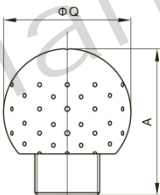


Threaded Fixed cleaning ball

Size	A	Q
1"	72.0	63.0
1 1/4"	85.0	76.0
1 1/2"	87.0	76.0
2"	102.0	91.0

Technical parameter

Size	Pressure (bar)	Cleaning radius (m)	360° /180° Fluxation m³/h
1"	2.5	1.0~1.25	17/10
1.1/4"-1.1/2"	2.5	1.25~1.75	23/17
2"	3.5	2.0~3.0	55/38
2 1/2"	3.5	3.0~3.5	58/41

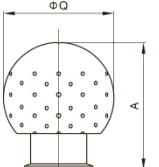


Clamped Fixed cleaning ball

Size	A	Q
1"	80.0	63.0
1 1/4"	93.0	76.0
1 1/2"	93.0	76.0
2"	108.0	91.0
2 1/2"	115.0	100.0

Technical parameter

Size	Pressure (bar)	Cleaning radius (m)	360° /180° Fluxation m³/h
1"	2.5	1.0~1.25	17/10
1 1/4"-1 1/2"	2.5	1.25~1.75	23/17
2"	3.5	2.0~3.0	55/38
2 1/2"	3.5	3.0~3.5	58/41



Cleaning ball

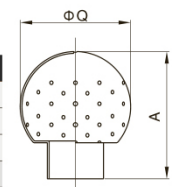


Welded Fixed cleaning ball

Size	A	Q
1"	72.0	53.0
1 1/2"	85.0	63.0
2"	87.0	91.0
2 1/2"	102.0	100.0

Technical parameter

Size	Pressure (bar)	Cleaning radius (m)	360° /180° Fluxation m³/h
1"	2.5	1.0~1.25	17/10
1.1/4"-1 1/2"	2.5	1.25~1.75	23/17
2"	3.5	2.0~3.0	55/38
2 1/2"	3.5	3.0~3.5	58/41

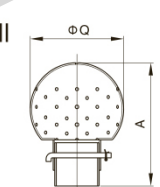


Welded Bolted Fixed cleaning ball

Size	A	Q
1"	95.0	63.0
1 1/2"	110.0	76.0
2"	125.0	91.0
2 1/2"	135.0	100.0

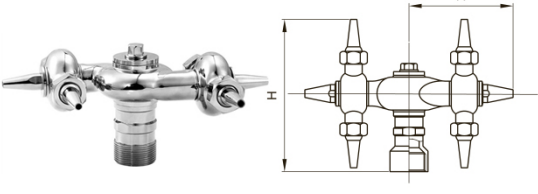
Technical parameter

Size	Pressure (bar)	Cleaning radius (m)	360° /180° Fluxation m³/h
1"	2.5	1.0~1.25	17/10
1.1/4"-1.1/2"	2.5	1.25~1.75	23/17
2"	3.5	2.0~3.0	55/38
2 1/2"	3.5	3.0~3.5	58/41



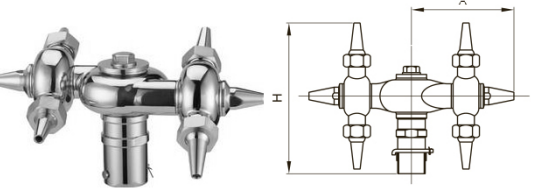
Threaded Rotary cleaning ball

Size	A	H	Pressure (bar)	Cleaning radius (m)	Fluxation m³/h
1"	118.0	165.0	1.5~2.0	2.0~3.0	23
1 1/2"	142.0	189.0	1.8~2.5	3.5~3.0	38
2"	145.0	191.0	2.5~3.0	3.5~4.0	60



Bolted Rotary cleaning ball

Size	A	H	Pressure (bar)	Cleaning radius (m)	Fluxation m³/h
1"	118.0	175.0	1.5~2.0	2.0~3.0	23
1 1/2"	142.0	200.0	1.8~2.5	3.5~3.0	38
2"	145.0	205.0	2.5~3.0	3.5~4.0	60



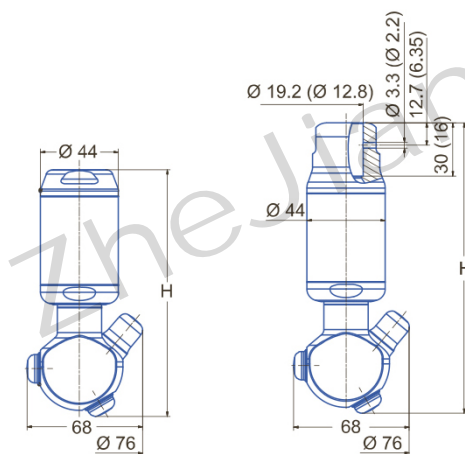
⊕ High impact rotating nozzle

Design feature:

1. Controlled rotation
2. Pressure range up to 20 bar
3. Driven and lubricated by the cleaning fluid
4. Reliable slide bearing
5. Low-wear design, long life bearing

The liquid flow powers the head by an internal turbine. Either a gear reduction or a hydraulic brake is used to control the rotation. Hence the produced droplets are bigger and hit the tank wall with higher velocity. This keeps the speed of the head within its optimal range across a wider span of pressures, and the nozzles develops more powerful spray.

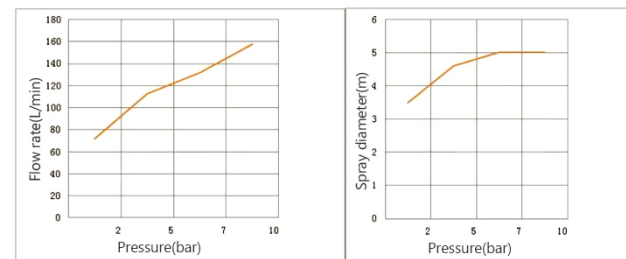
The new rotating nozzle works very powerfully and efficiently based on the controlled rotation. Compared to conventional rotating cleaning cycle nozzles, time can be reduced considerably, This saves cleaning fluid, energy costs and time.



Threaded connection

Bolted connection

Performance data:



⊕ Rotating tank cleaning nozzle, double ball bearing mounted

Rotating tank cleaning nozzle,
double ball bearing-mounted

Spray angle: 360°

Material: Stainless Steel

Connector: 3/4" female NPT

Features

■ Best performance range 15-45 psi

■ Improved vertical coverage

Range of application

Cleaning the insides of big sprayer tanks and
containers with diameters up to 200"

