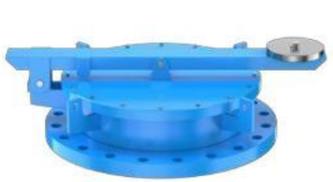
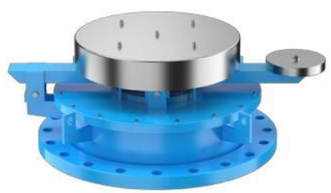




WANAN®

General Catalog











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Breather Valve











End-of-line Breather Valve with Integrated Flame Arrester

End-of-line Breather Valve with Integrated Flame Arrester is one of Wanan high performance breather valve series,its excellent performance exceeds standard valves on the market:

● Compact design,reduce space occupation and self-weight,higher sealing performance,large ventilation,small leakage.

● Optional fire resistance function.The combination of fire resistance and breath function provides overpressure and vacuum protection while preventing flame propagation.



Features

●Good corrsion resistance,chemical resistance,resistance to adhesion of liquid and vapor,resistance to extreme temperature

● Fully open at 10% overpressure

●The leakage is much smaller than API2000 standard and ensures a higher setting accuracy(±3%)

●The valve trim assembly can be replaced on site

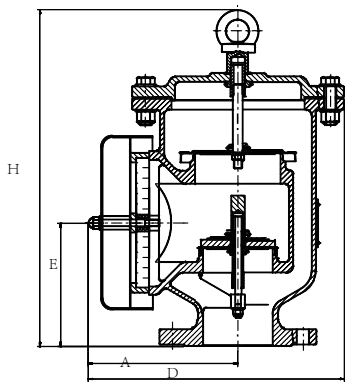
● Support ANSI、HG/T flanges

Setting Range

Model	Size	Pressure	Vacuum	Gas Group (IEC/NEC)	Temperature
ZHXFE	2”(DN40)~12"(DN300)	0.2~5KPa (2~50mbar)	0.2~100KPa (2~1000mbar)	ⅡA Ⅱ B3 Ⅱ C	-45~260℃

Material

Body	Seat/Pallet	Trim Sealing	Fastener	Counterweight	Sealing Gasket
Aluminum Stainless Steel Carbon Steel	Stainless Steel Aluminum	FEP Teflon Buna-N	Alvanized Carbon Steel Stainless Steel	Galvanized carbon steel Stainless steel Aluminum Resin coated stainless steel	Buna-N Teflon Viton



Key Parameter List

Model	Inlet Connection In(mm)	H Height mm	D Length mm	A Eccentricity mm	E Inlet Height mm
ZHXFE	2(50)	356	265	155	126
	3(80)	381	317	182	150
	4(100)	491	373	218	180
	6(150)	522	465	270	224
	8(200)	622	595	372	264
	10(250)	732	705	420	300
	10(250)	666	680	434	265
	12(300)	808	803	503	358

**Unit weight, indicating the net weight (in kilograms) of the valve at the standard set pressure (2mba pressure -2mbar vacuum), excluding the weight of the transport box. The total shipping weight needs to be increased by 20% (domestic only). Parameter content is for reference only, more requirements please contact us.*

End-of-Line Breather Valve

The End-of-Line Breather Valve maintains a sealed state. When the system pressure or vacuum exceeds the valve setting value, the valve core is lifted, the sealing state between the valve seat and the valve core is broken, and the pressure or vacuum accumulation is released. Once the release is completed, the valve remains sealed again.
Installation location: Connect the tank through the flange, and the valve is directly discharged to the atmosphere after opening.



Features

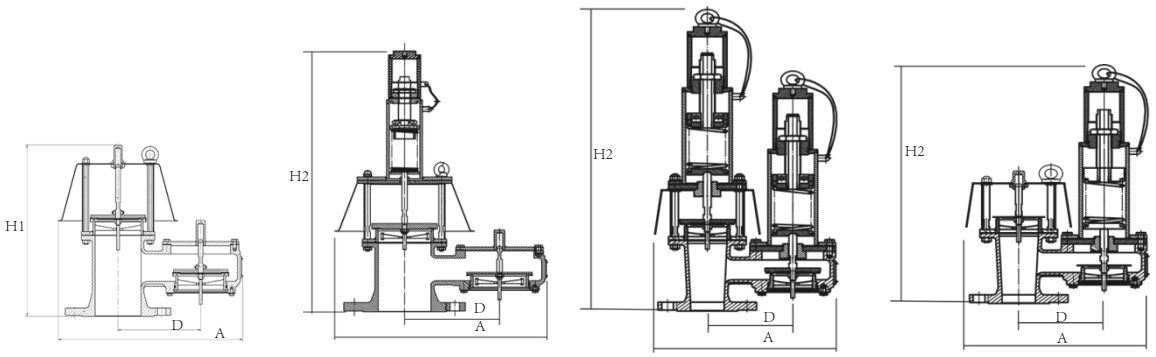
- Dual guide rail system, smooth stroke and less wear.
- Leakage is much less than API2000 standard and maintains high setting accuracy(±3%).
- Full start at 10% overpressure.
- Valve core and valve seat assembly can be replaced on site.
- Support ANSI, DIN and HG/T20592~20635~2009 flanges.

Setting Range

Model	Size	Pressure	Vacuum	Temp.
HXFE10	1.5”(DN40)~12"(DN300)	0.2~6.9KPa(2~69mbar)	0.2~4.3KPa(2~43mbar)	-45~260℃
HXFE20	1.5”(DN40)~12"(DN300)	6.9~100KPa(69~1000mbar)	0.2~4.3KPa(2~43mbar)	
HXFE30	1.5”(DN40)~12"(DN300)	6.9~100KPa(69~1000mbar)	4.3~4.8KPa(43~48mbar)	
HXFE40	1.5”(DN40)~12"(DN300)	0.2~6.9KPa(2~69mbar)	4.3~4.8KPa(43~48mbar)	

Materials

Body	Seat/Disc	Plug Seal	Fastener	Counterweight	Gasket
Aluminum Stainless steel Carbon steel	Stainless steel Aluminum	FEP Teflon Buna-N	Galvanized carbon steel Stainless steel	Galvanized carbon steel Stainless steel Aluminum Resin coated stainless steel	Buna-N Teflon Viton Buna



Key Parameter List

Model	Inlet Connection In(mm)	D Center Length mm	H1 Total Height mm	H2 Total Height mm	A Total Length mm
HXFE00	2(50)	130	275	Variable Value	298
	3(80)	155	315		340
	4(100)	180	376		400
	6(150)	230	507		523
	8(200)	285	603		647
	10(250)	350	699		765
	12(300)	440	812		960

**Unit weight, indicating the net weight (in kilograms) of the valve at the standard set pressure (2mba pressure -2mbar vacuum), excluding the weight of the transport box. The total shipping weight needs to be increased by 20% (domestic only). Parameter content is for reference only, more requirements please contact us.*

In-line Breather Valve with Integrated Flame Arrester

In-line Breather Valve with Integrated Flame Arrester is one of Wanan high performance breather valve series,its excellent performance exceeds standard valves on the market:

● Compact design,reduce space occupation and self-weight,higher sealing performance,large ventilation,small leakage.

● Optional fire resistance function.The combination of fire resistance and breath function provides overpressure and vacuum protection while preventing flame propagation.



Features

●Good corrsion resistance,chemical resistance,resistance to adhesion of liquid and vapor,resistance to extreme temperature

●Fully open at 10% overpressure

●The leakage is much smaller than API2000 standard and ensures a higher setting accuracy(±3%)

●The valve trim assembly can be replaced on site

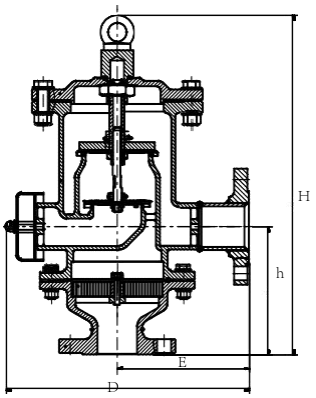
● Support ANSI、HG/T flanges

Setting Range

Model	Size	Pressure	Vacuum	Gas Group (IEC/NEC)	Temperature
ZHXFI00	2”(DN50)~ 12"(DN300)	0.9~100KPa (9~1000mbar)	0.2~4.3KPa (2~43mbar)	ⅡA ⅡB3 ⅡC	-45~260℃

Material

Body	Seat/Pallet	Trim Sealing	Fastener	Counterweight	Sealing Gasket
Aluminum Stainless Steel Carbon Steel	Stainless Steel Aluminum	FEP Teflon Buna-N	Alvanized Carbon Steel Stainless Steel	Galvanized carbon steel Stainless steel Aluminum Resin coated stainless steel	Buna-N Teflon Viton



Key Parameter List

Model	Inlet Connection In(mm)	H Height mm	D Length mm	E Eccentricity mm	h Outlet Height mm
ZHXFI00	2(50)	434	313	169	164
	3(80)	515	359	196	210
	4(100)	533	431	223	215
	6(150)	632	547	275	255
	8(200)	824	622	320	324
	10(250)	1046	728	353	470

**Unit weight, indicating the net weight (in kilograms) of the valve at the standard set pressure (2mba pressure -2mbar vacuum), excluding the weight of the transport box. The total shipping weight needs to be increased by 20% (domestic only). Parameter content is for reference only, more requirements please contact us.*

In-Line Breather Valve



The In-Line Breather Valve maintains a sealed state. When the system pressure or vacuum exceeds the valve setting value, the valve core is lifted, the sealing state between the valve seat and the valve core is broken, and the pressure or vacuum accumulation is released. Once the release is completed, the valve remains sealed again.
Installation location: Connect the storage tank and the recycling pipeline separately by flanges.

Features

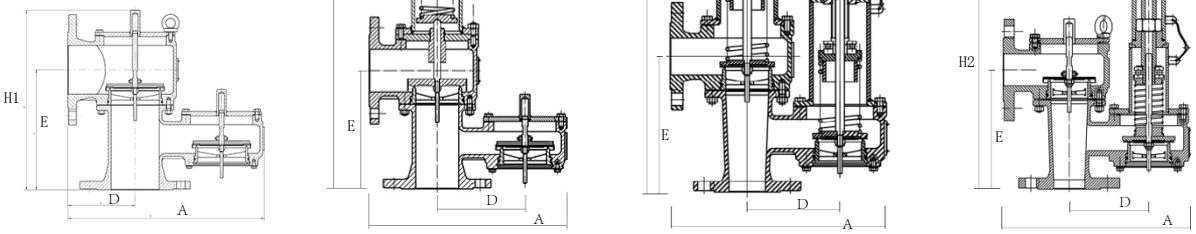
- Dual guide rail system, smooth stroke and less wear
- Leakage is much less than API2000 standard and maintains high setting accuracy(±3%)
- Full start at 10% overpressure
- Valve core and valve seat assembly can be replaced on site
- Support ANSI, DIN and HG/T20592~20635~2009 flanges

Setting Range

Model	Size	Pressure	Vacuum	Temp.
HXF 10	1.5″(DN40)~12"(DN300)	0.2~6.9KPa(2~69mbar)	0.2~4.3KPa(2~43mbar)	-45~260℃
HXF 20	1.5″(DN40)~12"(DN300)	6.9~100KPa(69~1000mbar)	0.2~4.3KPa(2~43mbar)	
HXF 30	1.5″(DN40)~12"(DN300)	6.9~100KPa(69~1000mbar)	4.3~4.8KPa(43~48mbar)	
HXF 40	1.5″(DN40)~12"(DN300)	0.2~6.9KPa(2~69mbar)	4.3~4.8KPa(43~48mbar)	

Materials

Body	Seat/Disc	Plug Seal	Fastener	Counterweight	Gasket
Aluminum Stainless steel Carbon steel	Stainless steel Aluminum	FEP Teflon Buna-N	Galvanized carbon steel Stainless steel	Galvanized carbon steel Stainless steel Aluminum Resin coated stainless steel	Buna-N Teflon Viton Buna



Key Parameter List

Model	Inlet Connection In(mm)	Outlet Connection mm	A Total Length mm	E Center Height mm	H1 Total Height mm	H2 Total Height mm	D Center Length mm
HXF00	2(50)	50	307	195	277	Variable Value	110
	3(80)	80	357	217	321		127
	4(100)	100	417	256	380		146
	6(150)	150	524	346	506		176
	8(200)	200	649	397	605		207
	10(250)	250	747	452	699		232
	12(300)	300	948	523	812		288

**Unit weight, indicating the net weight (in kilograms) of the valve at the standard set pressure (2mba pressure -2mbar vacuum), excluding the weight of the transport box. The total shipping weight needs to be increased by 20% (domestic only). Parameter content is for reference only, more requirements please contact us.*

Pressure Relief Valve

Pressure relief valve is part of Wanan high performance breather valve series,the excellent Wanan guide system makes its performance exceeds the standard valve on the market,it is suitable for direct discharge conditions,providing overpressure protection,prevent air inhalation and reduce medium evaporation.



Features

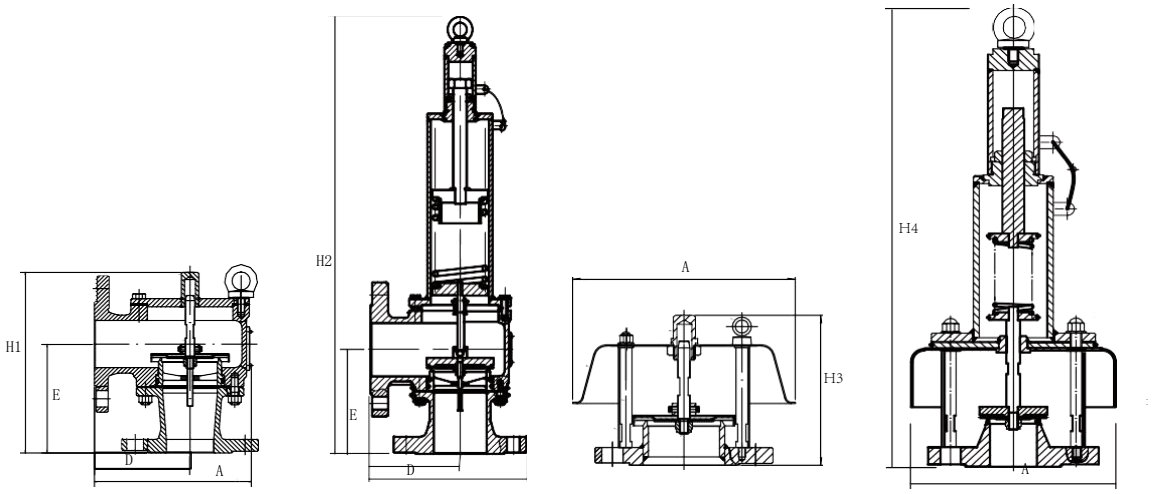
- Double guide rail system, smooth stroke and less wear
- The leakage is much lower than API2000 standard and guarantees high setting accuracy (±3%)
- Fully open at 10% overpressure
- The trim and seat assembly can be replaced on site
- Supports ANSI, DIN and HG/ T20592-20635-2009 flanges

Setting Range

Model	Size	Pressure	Temperature
DHF10	2”(DN50)~12"(DN300)	0.2~6.9KPa(2~69mbar)	-45~260℃
DHF20	2”(DN50)~12"(DN300)	6.9~100KPa(69~1000mbar)	
DHF30	2”(DN50)~12"(DN300)	0.2~6.9KPa(2~69mbar)	
DHF40	2”(DN50)~12"(DN300)	6.9~100KPa(69~1000mbar)	

Material

Body	Seat/Pallet	Trim Sealin	Fastener	Counterweight	Sealing Gasket
Aluminum Stainless Steel Carbon Steel	Stainless Steel Aluminum	FEP Teflon Buna-N	alvanized Carbon Steel Stainless Steel	Galvanized carbon steel Stainless steel Aluminum Resin coated stainless steel	Buna-N Teflon Viton



Key Parameter List

Model	Inlet Connection In(mm)	Outlet Connection mm	A Total Length mm	H1 Total Height mm	H2 Total Height mm	D Center Length mm	E Center Height mm
DHF10 DHF20	2(50)	50	177	207	Variable Value	110	125
	3(80)	80	202	242		127	147
	4(100)	100	237	295		146	171
	6(150)	150	294	386		176	226
	8(200)	200	354	465		207	257
	10(250)	250	397	534		232	287
	12(300)	300	504	617		288	328

Model	Inlet Connection In(mm)	A Total Length mm	H3 Total Height mm	H4 Total Height mm
DHF30 DHF40	2(50)	179	140	Variable Value
	3(80)	198	172	
	4(100)	241	198	
	6(150)	331	274	
	8(200)	470	352	
	10(250)	500	435	
	12(300)	610	488	

**Unit weight, indicating the net weight (in kilograms) of the valve at the standard set pressure (2mba pressure -2mbar vacuum), excluding the weight of the transport box. The total shipping weight needs to be increased by 20% (domestic only). Parameter content is for reference only, more requirements please contact us.*

Vacuum relief valve

Vacuum relief valve is part of Wanan high performance breather valve series,the excellent Wanan guide system makes its performance exceed standard valve on the market,it is suitable for inhalation conditions,providing vacuum protection and reducing medium evaporation.



Features

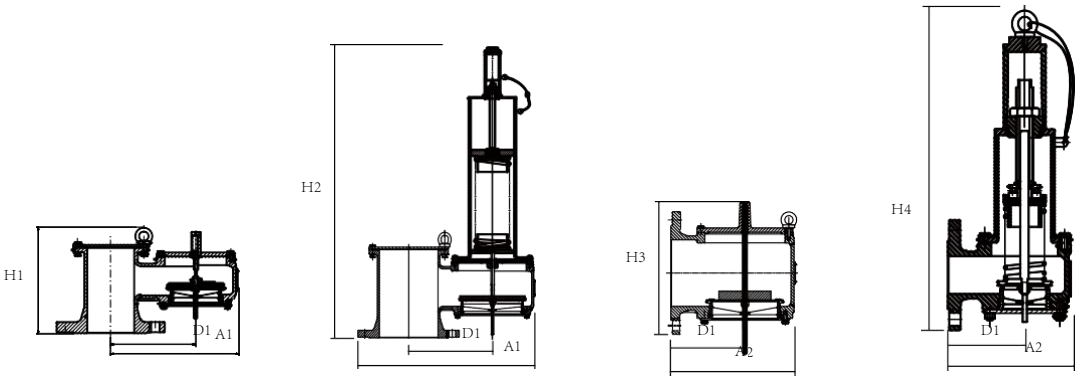
- Double guide rail system, smooth stroke and less wear
- The leakage is much lower than API2000 standard and guarantees high setting accuracy (±3%)
- Fully open at 10% overpressure
- The trim and seat assembly can be replaced on site.
- Supports ANSI, DIN and HG/ T20592-20635-2009 flanges

Setting Range

Model	Size	Pressure	Temperature
DXF10	1.5”(DN40)~12"(DN300)	0.2~4.3KPa(2~43mbar)	-45~260℃
DXF20	1.5”(DN40)~12"(DN300)	4.3~4.8KPa(43~48mbar)	
DXF30	1.5”(DN40)~12"(DN300)	0.2~4.3KPa(2~43mbar)	
DXF40	1.5”(DN40)~12"(DN300)	4.3~4.8KPa(43~48mbar)	

Material

Body	Seat/Pallet	Trim Sealin	Fastener	Counterweight	Sealing Gasket
Aluminum Stainless Steel Carbon Steel	Stainless Steel Aluminum	FEP Teflon Buna-N	Alvanized Carbon Steel Stainless Steel	Galvanized carbon steel Stainless steel Aluminum Resin coated stainless steel	Buna-N Teflon Viton



Key Parameter List

Model	Inlet Connection In(mm)	A1 Total Length mm	A2 Total Length mm)	H1 Total Height mm	H2 Total Height mm	H3 Total Height mm	H4 Total Height mm	D1 Center Length mm
DXF00	1.5(40)	197	173	184	Variable Value	150	Variable Value	130
	2(50)	197	173	184		150		130
	3(80)	230	195	192		195		155
	4(100)	271	230	218		229		180
	6(150)	347	290	287		320		230
	8(200)	431	350	310		393		285
	10(250)	514	393	351		470		350
	12(300)	654	496	403		540		440

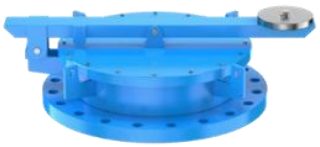
**Unit weight, indicating the net weight (in kilograms) of the valve at the standard set pressure (2mba pressure -2mbar vacuum), excluding the weight of the transport box. The total shipping weight needs to be increased by 20% (domestic only). Parameter content is for reference only, more requirements please contact us.*

Emergency Relief Valve



Pressure Emergency Relief Valve

Emergency Pressure Relief Valve is used to overpressure conditions that can not be handled by standard venting hole,the discharge capacity meets API2000 standard and is sufficient to cope with emergency evacuation needs caused by fire,it can also be used as an inlet and outlet for inspection and maintenance. Emergency pressure relief valve is used for release overpressure,no inhalation function. When the pressure in the tank rises to the set pressure, the hinged cover opens to release the pressure, and when the overpressure phenomenon dissipates, the hinged cover returns. The hinge mechanism ensures accurate resetting of the hinge cover.



Features

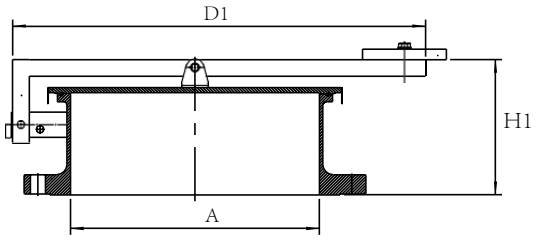
●The leakage is much lower than API 2002 standard and ensures a high setting accuracy(±3%)
● All components can be replaced on site
●Full open structure
●Every emergency pressure relief valve must pass rigorous review and leakage test before leaving the factory
●Suitable for corrosion resistance condition
●Certified displacement curve
●Support ANSI, DIN and HG/T20592~20635-2009 flanges

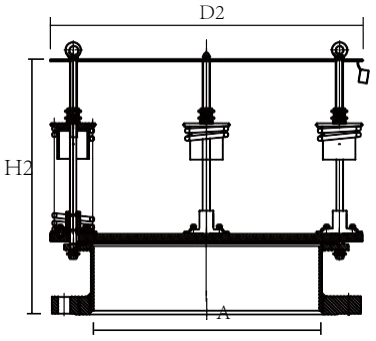
Setting Range

Model	Size	Pressure
DHXF10	16″(DN400)、20″ (DN 500) 、24″(DN 600)	0.7 ~ 6.9KPa (7 ~69mbar)
DHXF20	16″(DN400)、20″ (DN 500) 、24″(DN 600)	6.9 ~ 100KPa (69 ~ 1000mbar)

Material

Body	Hinge Arm	Pallet	Sealing	Sealing Support
Carbon Steel 304 316	Carbon Steel 304 316	Aluminium 304 316	Buna-N FEP Teflon Viton	Aluminium Stainless Steel





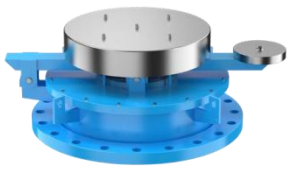
Key Parameter List

Model	A Size In(mm)	D1 Length mm	D2 Length mm	H1 Height mm	H2 Height mm
DHXF00	16(400)	768	760	290	695
	20(500)	874	860	290	695
	24(600)	985	964	290	695

**Unit weight, indicating the net weight (in kilograms) of the valve at the standard set pressure (2mba pressure -2mbar vacuum), excluding the weight of the transport box. The total shipping weight needs to be increased by 20% (domestic only). Parameter content is for reference only, more requirements please contact us.*

Pressure/Vacuum Emergency Relief Valve

Pressure/Vacuum Emergency Relief Valve is used to handle overpressure and vacuum condition that cannot be handled by standard tank venting hole. The discharge capacity meets API2000 standard which is sufficient to meet the emergency discharge needs caused by fires; High airflow can be provided when the medium is urgently evacuated. This type of relief valve can be used as an inlet and outlet for tank inspection and maintenance. When the tank pressure rises to the set pressure, the hinged cover opens to release the overpressure, and the hinged cover resets after the overpressure dissipates. The hinge mechanism ensures accurate resetting of the hinge cover. When the vacuum accumulation in the tank is excessive, the spring-type trim is lifted, the seal between the seat and the trim is broken, the accumulated vacuum is released, and the vacuum valve re-maintains the seal after the release.



Features

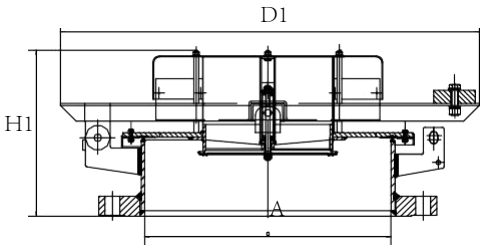
●The leakage is much lower than API 2002 standard and ensures a high setting accuracy(±3%)
●Suitable for corrosion resistance condition
●Full open structure
● Certified displacement curve
● Every valve must pass rigorous review and leakage test before leaving the factory
● Support ANSI, DIN and HG/T20592~20635-2009 flanges

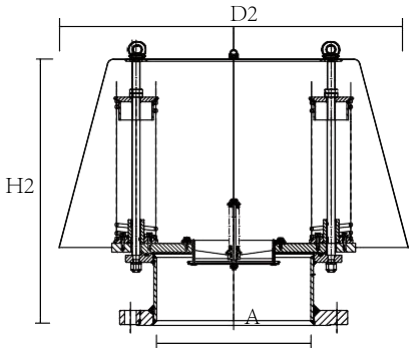
Setting Range

Model	Size	Pressure	Vacuum
HXXF10	16″(DN400)、20″ (DN 500) 、24″(DN 600)	0.6 ~ 3.4KPa (6 ~ 34mbar)	0.2 ~ 1.7KPa (2 ~17mbar)
HXXF20	16″(DN400)、20″ (DN 500) 、24″(DN 600)	3.4 ~ 100KPa (34 ~ 1000mbar)	0.2 ~ 1.7KPa (2 ~17mbar)

Material

Mount Hinge Arm&Hinge Cover	Circle Pallet&Sealing Support	Sealing	Vacuum Spring	Vacuum Valve Trim
Carbon Steel 304 316	Aluminium Stainless Steel	Buna-N FEP Teflon Viton	Stainless Steel	PPS Stainless Steel





Key Parameter List

Model	A Size In(mm)	D1 Length mm	D2 Length mm	H1 Height mm	H2 Height mm
HXXF00	16(400)	840	888	365	695
	20(500)	900	986	387	695
	24(600)	1010	1085	400	695

**Unit weight, indicating the net weight (in kilograms) of the valve at the standard set pressure (2mba pressure -2mbar vacuum), excluding the weight of the transport box. The total shipping weight needs to be increased by 20% (domestic only). Parameter content is for reference only, more requirements please contact us.*

Flame Arrester







End-of-Line Flame Arrester

Suitable for free discharge conditions, it can provide flame protection during vertical discharge.
It can be installed on the top of the atmospheric pressure discharge pipeline or storage tank, etc.
This series of flame arresters can be used to prevent the spread of closed and non-closed low-pressure explosions; it can prevent the ignited atmospheric pressure steam cloud from entering the discharge pipeline or storage tank through the flame arrester.



Features

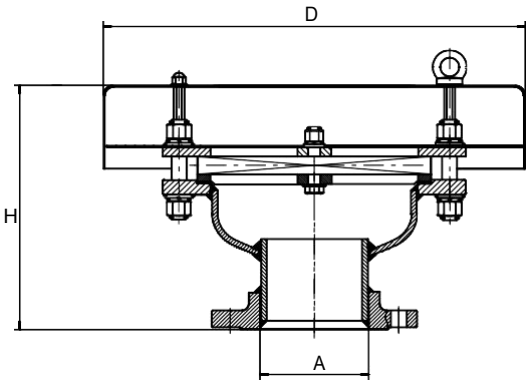
- Maximum flow, low pressure drop
- Easy to clean, not easy to clog, less maintenance
- Single component construction (rain cover, bird net)
- Excellent corrosion resistance
- Easy to install, removable fire barrier for easy inspection and maintenance
- Supports ANSI, DIN and HG/T20592~20635-2009 flanges

Specifications

Model	Size	Gas Group (IEC/NEC)
End-of-Line Flame Arrester	1”(DN25) ~ 40”(DN 1000)	Ⅱ A Ⅱ B ⅡB3/C

Structural Materials

Model	Case	Fire barrier
End-of-Line Flame Arrester	carbon steel 304 316L Hastelloy alloy	304 316L Hastelloy alloy



Key parameter table

Model	A Size In(mm)	H High mm	D Outer Diameter mm
End-of-Line Flame Arrester	1(25)	180	230
	2(50)	190	230
	2(50)	205	285
	3(80)	205	285
	4(100)	285	330
	6(150)	280	385
	8(200)	290	525
	10(250)	355	635
	12(300)	390	710

**From 14 inches to 36 inches, with an allowable tolerance of ±1.00" (25mm); the parameters are for reference only, please contact us for more information.*

In-Line Deflagration Flame Arrester

Used within 50d of the pipe end and close to the pipe end, that is, the flame development has not yet reached the detonation stage.
It meets the requirements of ISO16852, GB13347 and other standards and is more economical than detonation flame arresters.
The two-way structure can prevent low-pressure, medium-pressure and high-pressure deflagrations, and can eliminate the high speed and high pressure generated by deflagration while extinguishing the flame.



Features

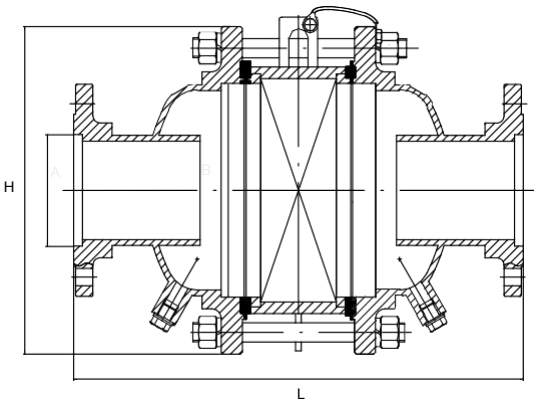
- Maximum flow, small pressure drop
- Easy to clean, not easy to clog, less maintenance
- Standard temperature detection port
- Bidirectional structure
- Easy to install, removable fire barrier for easy inspection and maintenance
- Support ANSI, DIN and HG/T20592~20635-2009 flanges

Specifications

Model	Size	Gas Group (IEC/NEC)
In-Line Deflagration Flame Arrester	1”(DN25) ~ 40”(DN 1000)	Ⅱ A/D Ⅱ B3/C Ⅱ C/B

Structural Materials

Model	Case	Fire barrier
In-Line Deflagration Flame Arrester	carbon steel 304 316L Hastelloy alloy	304 316L Hastelloy alloy



Key parameter table

Model	A Size In(mm)	B Case Size mm	H Outer Diameter mm	L Length mm
FA-Def (ⅡA)	1(25)	100	220	410
	2(50)	100	220	410
	2(50)	150	285	448
	3(80)	150	285	448
	4(100)	200	340	498
	6(150)	300	445	574
	8(200)	400	565	536
	10(250)	500	670	768
	12(300)	600	780	788
	16(400)	800	930	958
	20(500)	1000	1140	1110
	24(600)	1200	1360	1290
	32(800)	1600	1760	1770
	40(1000)	2000	2160	2180

*The allowable tolerance is±1.00"(25mm);he parameters are for reference only, please contact us for more information.

In-Line Detonation Flame Arrester

Represents the highest specification of flame arrester protection, divided into steady detonation and unsteady detonation.
Mainly used for long pipe sections or pipe sections with multiple elbows to prevent stable and unstable detonations.



Features

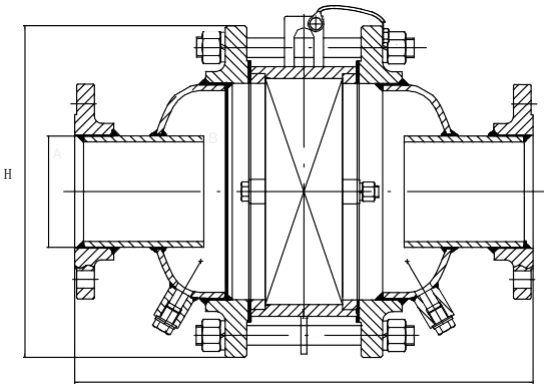
- Maximum flow, small pressure drop
- Easy to clean, not easy to clog, less maintenance
- Standard temperature detection port
- Bidirectional structure
- Easy to install, removable fire barrier for easy inspection and maintenance
- Support ANSI, DIN and HG/T20592~20635-2009 flanges

Specifications

Model	Size	Gas Group (IEC/NEC)
FA-Det In-Line Detonation Flame Arrester	1" (DN25) ~ 40" (DN 1000)	ⅡA ⅡB ⅡB3/C

Materials

Model	Case	Fire barrier
FA-Det In-Line Detonation Flame Arrester	Carbon steel 304 316L Hastelloy alloy	304 316L Hastelloy alloy



Key parameter table

Model	A Size In(mm)	B Case Size mm	H Outer Diameter mm	L Length mm
FA Det Pipeline Steady State Explosion proof Flame Arrester	1(25)	100	220	440
	2(50)	150	285	484
	3(80)	150	285	488
	4(100)	200	340	538
	6(150)	300	445	614
	8(200)	400	565	676
	10(250)	500	670	808
	12(300)	600	780	828
	16(400)	800	930	998
	20(500)	1000	1140	1150
	24(600)	1200	1360	1340

*The allowable tolerance is±1.00″(25mm);he parameters are for reference only, please contact us for more information.

Cylinder





Sample Cylinder

Wanan Sample Cylinder is widely used on petroleum device, chemical device and so on, especially leak-proof sampling for toxic, harmful, flammable, explosive and some other dangerous gas or liquid with medium or low pressure, like residual oil hydrotreating unit, heavy oil catalytic cracking unit, gas fractionation unit and so on. Sample collected by Wanan sample cylinder is authentic, accurate, no residual liquid, no residual gas emissions, protecting operators from harmful media, meanwhile no harm to environment, and eliminating accident from flammable, explosive median during sampling.

- Sizes from 75 to 2000 cm3
- Working pressures up to 3000 psig (200 bar)



Features

- Body made of seamless tubing provides consistent wall thickness, size, and capacity.
- Smooth internal neck transition allows easy cleaning and eliminates trapped fluids.
- Cold-formed female NPT threads provide greater strength.
- Full-penetration gas tungsten arc-weld construction provides leak-tight sample containment.

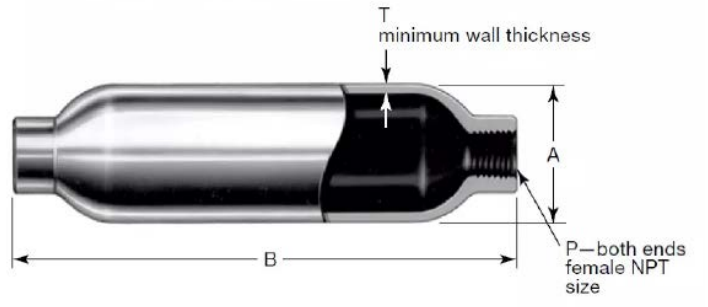
Specifications

Model	Size	Working Pressure
Sampling Cylinder	75ml～ 2000ml	1800psig~3000psig （124bar~345bar）

Structural Materials

Model	Body	Coating
Double End Single End	carbon steel 304L 316L	PTFE Electricpolishing

Double-Ended Cylinders



Key Parameter List

Pressure PSIG(BAR)	Model	Volume (ml)	Bottle Parameters			
			Pipe Thread(in)	Outer Diameter	Length	Minimum Thickness
			(P)	(A)	(B)	(T)
1800(124)	316L-12S-F4-150	150	FNPT 1/4	51	152	2.7
	316L-12S-F4-250	250	FNPT 1/4	51	216	2.7
	316L-12S-F4-300	300	FNPT 1/4	51	243	2.7
	316L-12S-F4-500	500	FNPT 1/4	63	253	2.7
	316L-12S-F4-1000	1000	FNPT 1/4	89	279	4.2
	316L-12S-F4-2000	2000	FNPT 1/4	108	358	5.2
2175(150)	316L-15S-F4-50	50	FNPT 1/4	38	114	2.9
	316L-15S-F4-75	75	FNPT 1/4	38	143	2.9
	316L-15S-F4-150	150	FNPT 1/4	51	152	2.9
	316L-15S-F4-250	250	FNPT 1/4	51	216	2.9
	316L-15S-F4-300	300	FNPT 1/4	51	243	2.9
	316L-15S-F4-500	500	FNPT 1/4	63	273	3.7
3000(200)	316L-15S-F4-1000	1000	FNPT 1/4	89	281	4.9
	316L-15S-F4-2000	2000	FNPT 1/4	108	372	5.8
	316L-20S-F4-150	150	FNPT 1/4	51	160	3.8
	316L-20S-F4-250	250	FNPT 1/4	51	229	3.8
	316L-20S-F4-300	300	FNPT 1/4	51	263	3.8
	316L-20S-F4-500	500	FNPT 1/4	63	288	4.7

Eye Washer









Eye Washer

An eye wash station is an emergency safety device designed to quickly rinse hazardous chemicals from the eyes and body, minimizing injury. Equipped with eye wash nozzles and a spray system, it provides immediate decontamination for the face, eyes, and body. Installed in high-risk areas like labs and chemical plants, it meets ANSI Z358.1 safety standards to ensure rapid, effective response in accidents.



Features

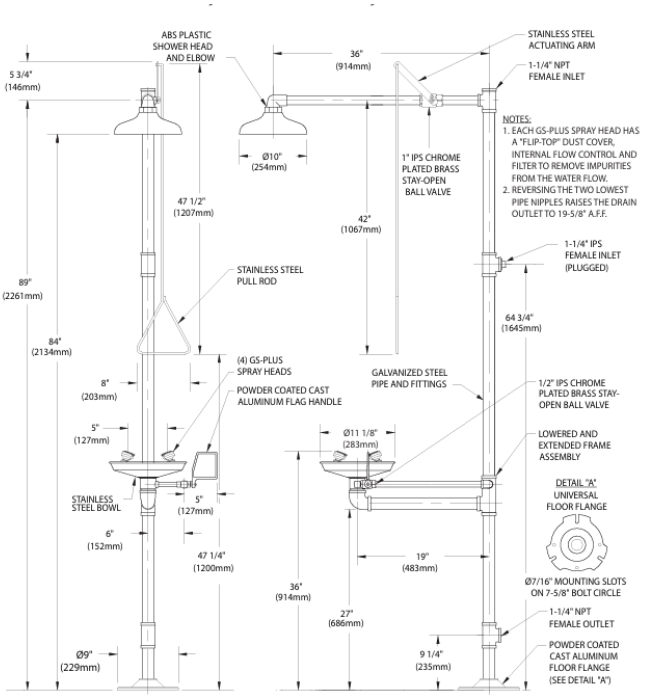
- Quickly rinses hazardous chemicals from eyes and body to minimize injury.
- Features both eyewash nozzles and full-body spray for comprehensive decontamination.
- Includes freeze-proof and leak-proof designs for various working conditions.
- Installed within 10 seconds of hazard zones with clear warning signs
- ANSI Z358.1-2014, GB-T 38144.1 2-2019, SH T3205-2019

Specifications

Model	Description	Shower Flow Rate
Emergency Eye Washer Automatic Emptying And Antifreeze Composite Eye Washer	Eye/Face Wash Stainless Steel Shower Head	⩾ 11.4L/min

Structural Materials

Model	Eye/Face Wash Bowl/ Valve	Shower Head
Emergency Eye Washer Automatic Emptying And Antifreeze Composite Eye Washer	Stainless Steel 304L 316L	Plastic ABS

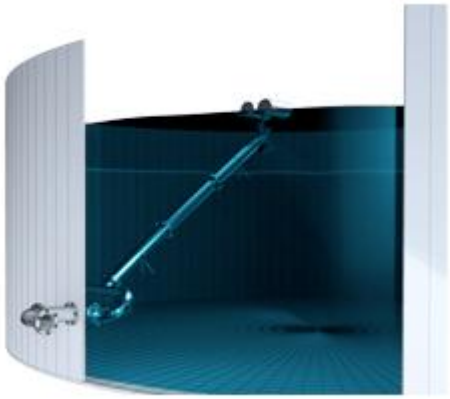


Key Parameter List

Shower Head	Shower Valve	Supply Inlet	Eye/face Wash Bowl	Eye/face Wash Valve	Pipe and Fittings
DN250	DN25	DN25	11 1/2”	1/2”	Schedule 40 galvanized steel. Furnished with orange polyethylene covers on piping for high visibility and corrosion resistance

The above parameters are determined according to customer needs

Floating Suction Unit

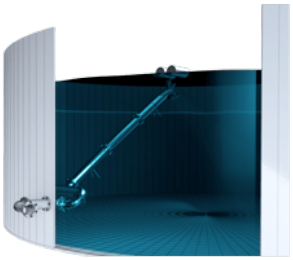






Floating Suction Unit

Wanan FCY series oil tank floating oil outlet device is suitable for use in various horizontal and vertical storage tanks. One end is connected to the oil tank bottom oil outlet short pipe, and the other end is suspended below the liquid level by a float and floats up and down with the rise and fall of the liquid level, always extracting surface layer fuel. Due to the settling effect of water and impurities in the gravity field, the water and impurities in the upper layer fuel are always lower than those in the bottom oil layer. Therefore, using the oil tank floating oil outlet device to extract upper layer fuel can ensure the emission of cleaner fuel and extend the service life of downstream purification equipment.



Features

- Produced to approved specifications with certified components and standard-compliant flanges (HG/T20592 & HG/T20615).
- Features an optimized floating mechanism that maintains proper alignment during operation.
- Should be applicable to gasoline, diesel, etc.
- It has anti eddy current measures and self oil leakage function

Specifications

Model	Size	Maximum Circulation Capacity
FCY Series Floating Suction Unit	DN100～ DN600	80m³ ~3000m³

Structural Materials

Model	Body	Cabinet
FCY Series Floating Suction Unit	carbon steel 304L 316L	304



Key Parameter List

Storage Tank Volume （m^3）	Tank Type	Outlet Size (inch/DN)	Storage Tank Parameters			
			Connect Type	Outer Diameter	Height	Media
			(P)	(A)	(B)	(T)
80	Horizontal	100				
200	Vertical	100				
250	Vertical	100				

The above parameters are determined according to customer needs

Belt Oil Skimmer





Stainless Steel Belt Oil Skimmer

The belt skimmer is stainless steel belt.

● Belt skimmers are widely used and can be used in machine tool water tanks, sewage treatment plants,etc.

● Equipped with timer, it can set the start and stop at any time, so as to realize automatic operation.

● The transmission and electrical parts are completely isolated, and the whole machine is moisture-proof and heat-resistant



Features

●The body is made of Q235 carbon steel, and the surface is subject to high.

●The rubber scraper can be adjusted to ensure complete oil removal.

●The oil belt is designed according to the site conditions.

Key Parameter List

Model	Capacity (L/H)	Belt Width (mm)	Power （W）	Voltage (V)	Weight(kg)	Working Form
WA-6L	6	50	6	220	3	Single-sided degreasing
WA-13L	13	50	14	220	4	Duble-sided degreasing
WA-25L	25	70	14	220	4	Duble-sided degreasing
WA-35L	35	80	28	220	5	Duble-sided degreasing
WA-45L	45	100	28	220	5	Duble-sided degreasing
WA-50L	50	100	15/25	220	12	Duble-sided degreasing
WA-75L	75	100	60	220	35	Duble-sided degreasing
WA-120L	120	200	60	220	20	Duble-sided degreasing
WA-150L	150	200	60	220	35	Duble-sided degreasing

**Note: 1.Belt Length according to customer requirements.*

2.The oil skimmer needs a bracket to fix it.

Polymer Belt Oil Skimmer

The belt skimmer is a polymer belt

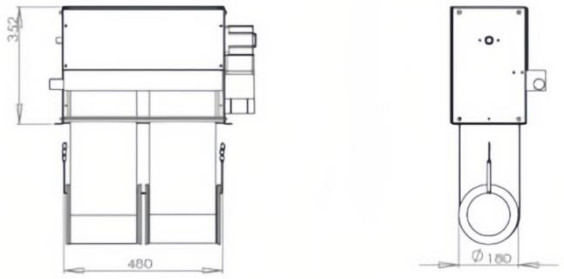
● It is used for flat flow tanks, swirl tanks, oil separation tanks, air flotation tanks, large oil separators, cleaning tanks, etc.



Features

● More suitable for removing high viscosity floating oil at static liquid level.
● It can work continuously for a long time or set the cycle interval with a timer.
● The oil belt is designed according to the site conditions.

Structural diagram



Key Parameter List

Model	Capacity (L/H)	Belt width (mm)	Power（W）	Belt length
WA-2CR	50	50	60	Customized
WA-4CR	100	100	60	Customized
WA-8CR	180	200	60	Customized
WA-28CR	360	200	90	Customized
WA-38CR	480	200	90	Customized

**Note: The skimmer needs a bracket to fix it.*

Tank Sampler





HCYG Tank Sampler

HCYG-I tank sampler is one of Wanan high performance product series,its excellent performance exceeds standard tank sampler on the market:

● The upper, middle, and lower sampling points are completely synchronized.



Features

● According to the liquid height and rise and fall at sampling ratios of 5/6, 1/2, and 1/6. The sampling error is only 1%, which is more accurate than traditional methods.

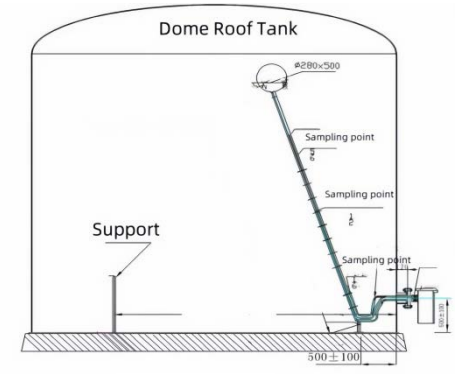
● Sampling can also be done within a height of 2-4 meters, with a sampling error within the 5% range specified in SH/T3414-2017.

Setting Range

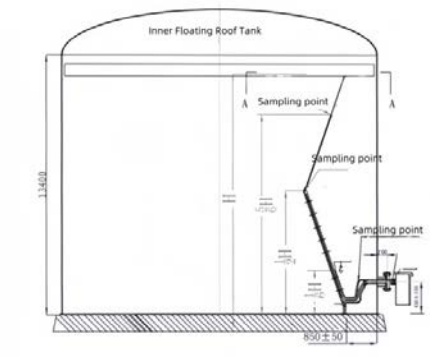
Model	Size	Tank Type	Sampling Type	Pressure	Temperature
Tank Sampler	Customized According to the size of the Storage Tank; Three Sampling Point or More	Dome Roof Tank Internal Floating Roof tank	Pneumatic sampling； Manual	Atmospheric Pressure	-30℃~90℃ Install Insulation And Heat Tracing According To Specific Circumstances

Structural Materials

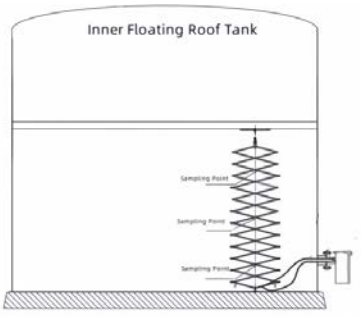
Model	Body	Sampling Box
Dome Roof Tank Internal Floating Roof tank	304	304



HCYG-I



HCYG-K



HCYG-X

Key Parameter List

Model	Height（m）	Diameter(m)	Number of sampling points
HCYG-I			
HCYG-K			
HCYG-X			

The above parameters are determined according to customer needs

Oil in Water Analyzer



Oil in Water Analyzer

It is suitable for detecting the oil content in water in the medium to be tested, and adopts advanced photoelectric technology. It is sensitive and the response time is as short as 0.1s . It is also suitable for other fields to feedback the impurity concentration in the medium .



Features

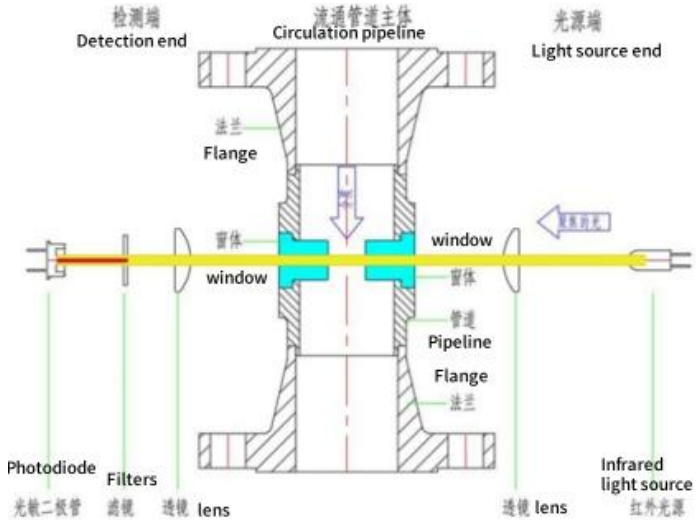
- Sensitive response, response time as short as 0.1s
- Fully online detection, real-time display, completely maintenance-free
- Explosion-proof grade: ExdbIIC T6 Gb
- Excellent corrosion resistance
- Easy to install and disassemble for easy inspection and maintenance
- Support ANSI, DIN andHG/T20592~20635-2009 flanges

Specifications

Model	Size	Pressure level / temperature
WACYS	DN 15 ~DN300	1.6~6Mpa/ 10 ℃ ≤ Ta ≤ 200 ℃

Structural materials

Model	Shell	Element
WACYS	316L Hastelloy	316L Hastelloy



Key parameter table

Model	A Nominal connection size In(mm)	H Height (mm)	D Outer diameter (mm)
WACYS	1/2 (1 5)	160	90
	3/4 (20)	160	100
	1(25)	160	110
	1 1/4 (32)	160	115
	2 (50)	160	150
	3 (80)	180	190
	4 (1 00)	200	230
	5 (125)	300	255
	6 (150)	400	280
	8 (200)	450	345
	12(300)	500	485

* Available in sizes from 14" to 36" with a tolerance of ±1.00" (25mm). Parameters are for reference only. Please contact us for more information.