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WENZHOU ONEMO STAINLESS STEEL CO.,LTD

ONEMO



WENZHOU ONEMO STAINLESS STEEL CO., LTD
温州万默不锈钢有限公司

COMPANY + PROFILE



万默成立于2010年5月, 位于中国温州。公司通过了国际ISO, CE和3A认证。生产的主要产品有3A, SMS, DIN, ISO, IDF, RJT, AS, BPE等标准连接管件以及配套的不锈钢蝶阀, 球阀, 止回阀, 隔膜阀等阀门和人孔。我们会持续不断的更新我们的产品线, 为您带来更新的解决方案, 请随时跟我们联系。感谢您选择万默, 让我们一起合作共赢。我们的使命: 一切从客户需求出发

Onemo was founded in May 2010 and is located in Wenzhou, China. The company has obtained International ISO, CE, and 3A certifications. The main products produced include standard connecting fittings such as 3A, SMS, DIN, ISO, IDF, RJT, AS, BPE, as well as matching stainless steel butterfly valves, ball valves, check valves, diaphragm valves and manholes. We will continuously update our product line to bring you updated solutions. Please feel free to contact us at any time. Thank you for choosing Onemo.

Let's work together for a win-win situation.

Our mission: Everything starts from customer needs

QUALIFICATION CERTIFICATE



BEVERAGES



BEER



DAIRY



BIOPHARMACEUTICAL



CHEMICALS



OIL/GAS



SEMICONDUCTOR



AUTOMOBILE MAKING

APPLICATION SCENARIOS

PRODUCT INSPECTION

"Quality as the foundation, inspection as the guideline." Wanmo has always adhered to this principle and integrated product inspection throughout the entire production process. Relying on the ISO, CE and 3A international certification systems, we conduct strict all-dimensional inspections on connection pipe fittings compliant with multiple standards such as 3A and SMS, as well as supporting products like stainless-steel butterfly valves and ball valves. From the selection of raw materials to the delivery of finished products, every process undergoes precise inspection to ensure stable product performance and reliable quality.

We take "starting from all customer needs" as our mission, closely align inspection standards with customer expectations, and use professional inspections to build a solid foundation of trust for cooperation. We continuously upgrade inspection technologies and equipment and simultaneously iterate the product line to provide you with better products and solutions.

SPECTROMETER MEASUREMENT

DIMENSION MEASUREMENT

HELIUM MEASUREMENT

CONCENTRICITY DETECTION

SURFACE ROUGHNESS MEASUREMENT

COMPARISON RULER DETECTION

HEIGHT DETECTION

ULTRASONIC CLEANING

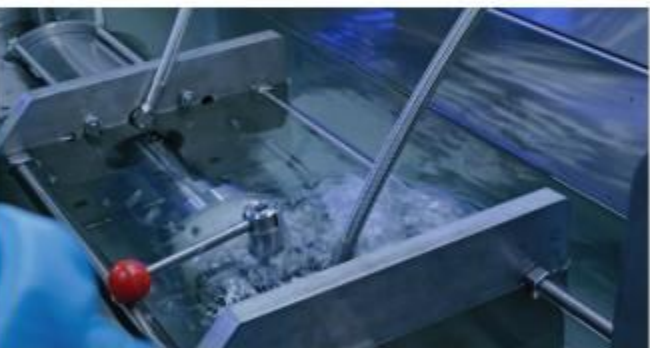
PACKING AND DELIVERY

MANUFACTURE PROCESS



产品购销合同 Contract

合同编号: OM2507059
签订地点: 温州 (传真合同有效)
签订时间: 2025/7/11
交货时间: 2025/7/26



PRODUCT CATALOG



A01-A20

Sanitary Butterfly Valve



B01-B17

Sanitary Diaphragm Valve



C01-C17

Sanitary Ball Valve



D01-D09

Stop And reversing Valve



E01-E06

Sanitary Check Valve



F01-F09

Strainer Filter



G01-G04

Sampling Valve



H01-H04

Sanitary Cleaning Ball



I01-I05

Sanitary manhole



J01-J32

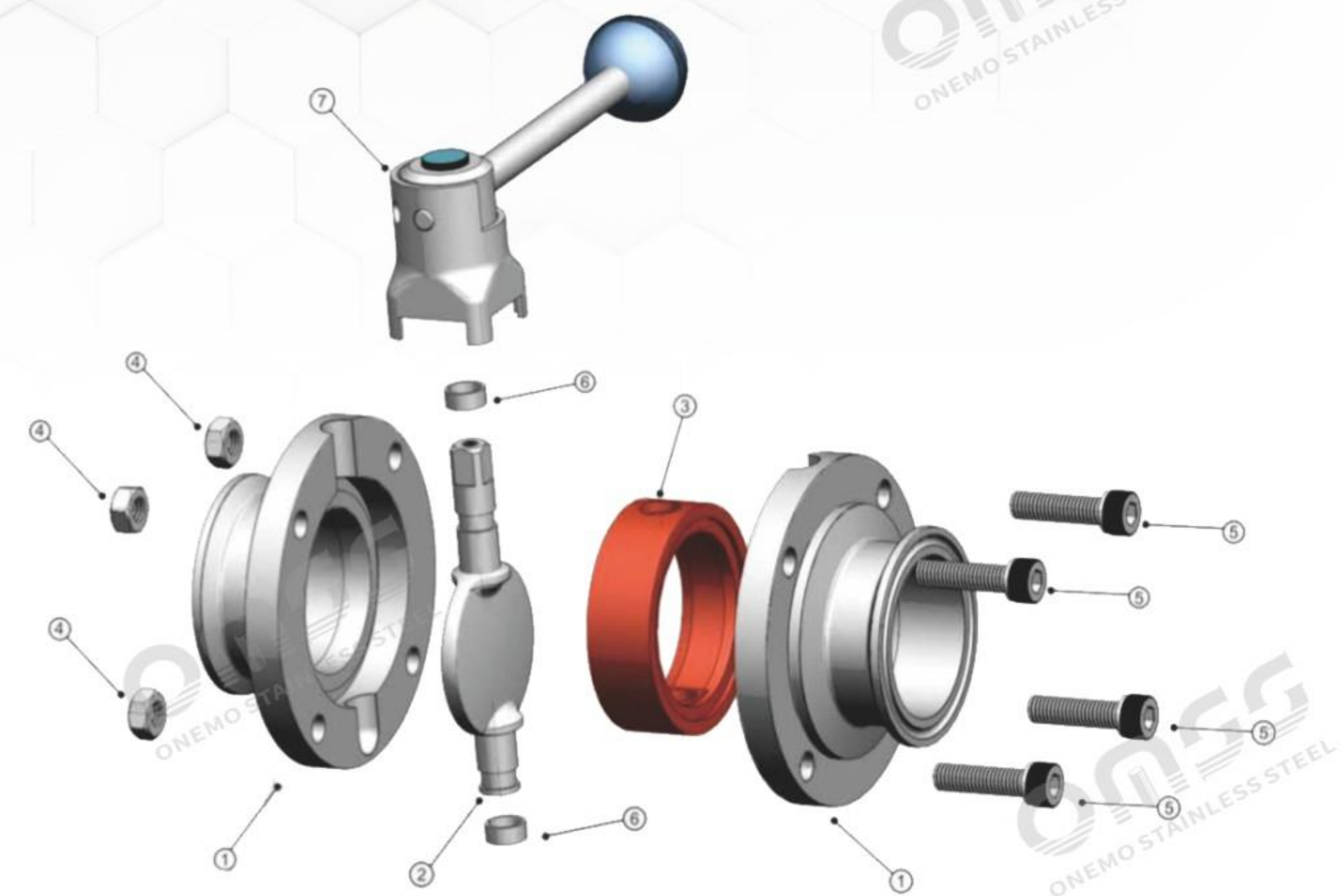
Sanitary Pump

SANITARY BUTTERFLY VALVE



ONEMO

SANITARY BUTTERFLY VALVE



Item	Description
1	Body Half (2)
2	Disc
3	Gasket
4	Hex Nut(4)
5	Body bolts (4)
6	Bushing (2)
7	Handle

SANITARY BUTTERFLY VALVE

APPLICATIONS

- This series is sanitary butterfly valve operated by pneumatic or manual used for stainless steel pipeline system.

OPERATING PRINCIPLES

- This series butterfly valve is either remote-controlled by means of an actuator or manually operated by means of a handle.
- The actuator is made in three standard versions, normally closed(NC), normally open (NO) and air/air activated (A/A).
- The actuator is designed so that an axial movement of a piston is transformed into a 90° rotation of a shaft. The torque of the actuator is increased when the valve disc contacts the seal ring of the butterfly valve.
- Selected The handle for manual operation mechanically can lock the valve in open, close, middle or other positions to control the flow rate.

OPTIONS

- Handle: two-position handle, three-position handle, four position pull rod handle, multi-position plastic handle and multi-position stainless steel handle
- Actuator: pneumatic stainless steel actuator, pneumatic aluminum actuator, electric actuator



DIFFERENT WAYS OF
DRIVE AND STYLES OF HANDLE

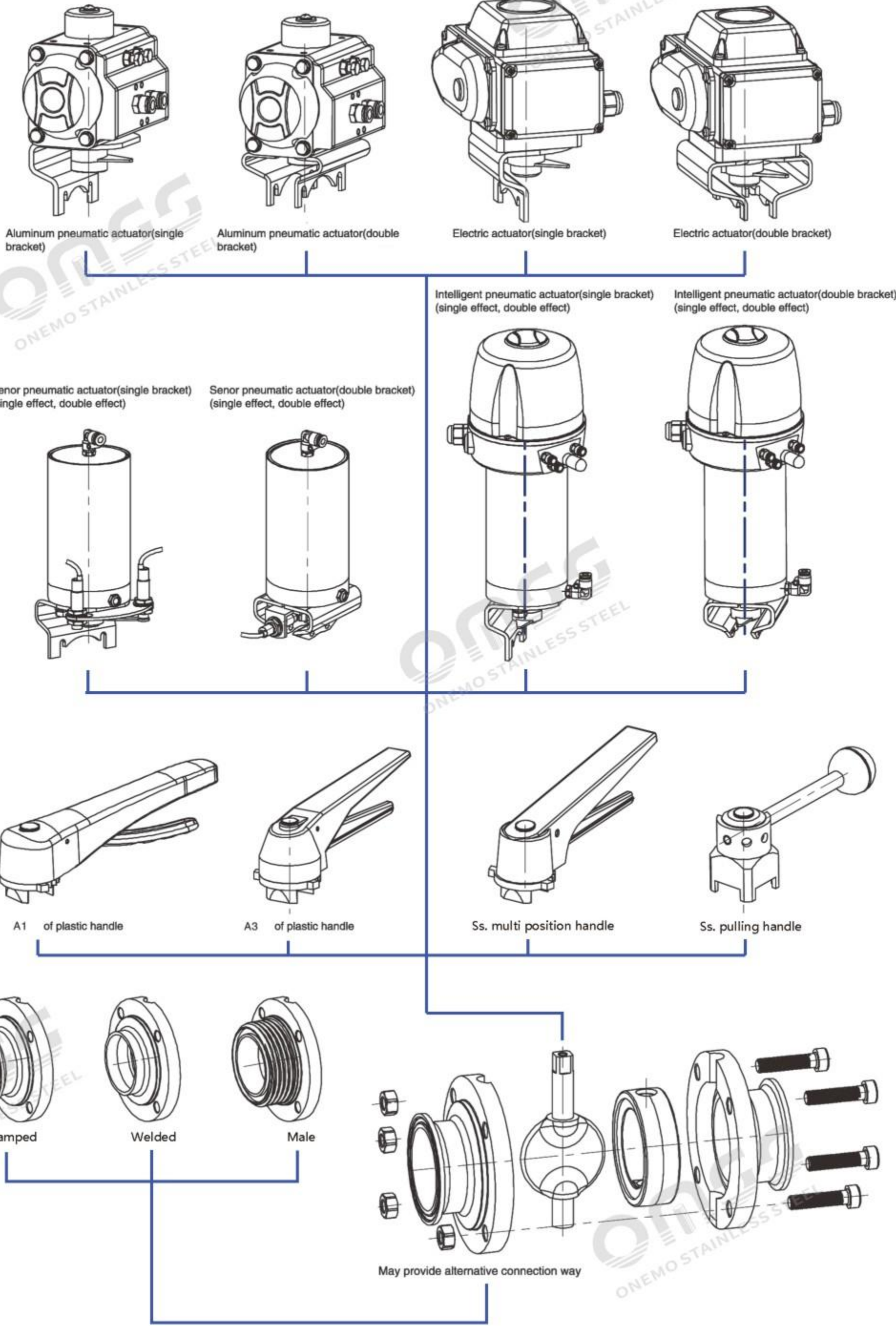
Operating Torque (N.m.)

OPERATING TORQUE [N.M]	15-3/4"	25-1"	40-1 1/2"	50-2	2 1/2"	65	3"	80	100-4"	125	150
	5	8	10	14	15	18	18	20	35	55	70

Detect under pressure of 10Kgrs/cm

Technical Data

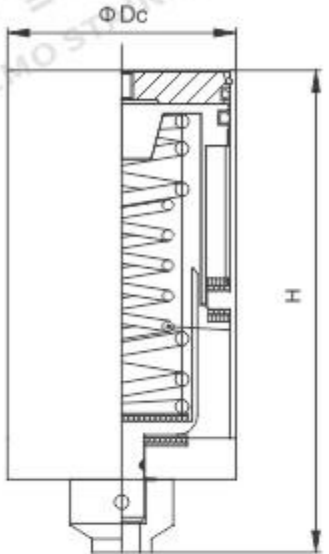
Material	Product wetted steel parts	304/316L
	Other steel parts	304
	Provide E N 10204 3.1B certificate	
Seal material	standard	EPDM
	option	FPM, Silicone, NBR
	All seal materials comply with FDA 177.2600	
Temperature	Working temperature	-20~+135°C (EPDM)
	Sterilization temperature	150°C (MAX 20min)
Pressure	Working pressure	0~10bar
	Control air pressure	5~8bar
Surface treatment	Internal surface	Ra ≤ 0.8μm
	External surface	Ra ≤ 1.6μm
Connection	Connection standard	DIN, SMS, RJT, ISO, IDF, 3A
	Connection method: welding, thread, clamp, flange	
Operate modes	Handle	Handle: two-position handle, three-position handle, four position pull rod handle, multi-position plastic handle and multi-position stainless steel handle
	Actuator	pneumatic stainless steel actuator, pneumatic aluminum actuator, electric actuator
Option	Intelligent controller	24V DC
		1/2 electromagnetism valve
	Position sensor	24V DC
		2 NPN/PNP position sensor



BUTTERFLY VALVE HANDLES ARE
SUITABLE FOR ALL KINDS OF BUTTERFLY VALVES

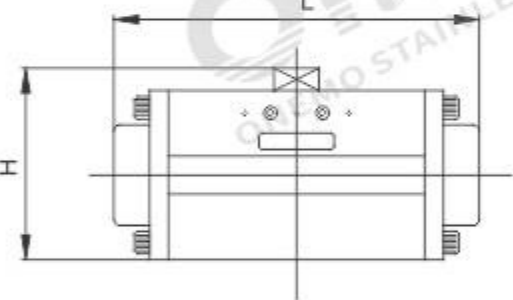
Stainless Steel Pneumatic Actuator

Size	Dc	H	match with butterfly valve		match with ball valve	
Φ85	85.0	180.5	DN20-DN100	1"-4"	DN20-DN50	1"-2"
Φ108	108	223	DN125-DN150	5"-6"	DN65-DN80	2.5"-3"
Φ133	133	400	DN200	8"	DN100	4"

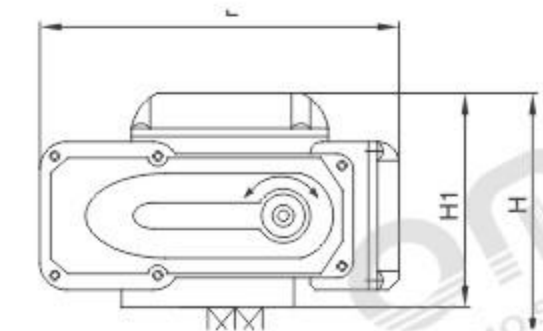


Aluminium Pneumatic Actuator

Model	L	H	match with butterfly valve	
ACT050SR	155	89	1"-1.25"	DN25-DN32
ACT063SR	168	105	1.5"-2"	DN40-DN50
ACT075SR	219	122.5	2.5"-3"	DN65-DN80
ACT090SR	249	135	4"	DN100
ACT100SR	274	147.5	5"	DN125
ACT125SR	355	186.5	6"	DN150
ACT145SR	417	206	8"	DN1200



Model	L	H	match with ball valve	
ACT050DA	155	89	1"	DN25
ACT063DA	168	105	1.25"-1.5"	DN32-DN40
ACT075DA	219	122.5	2"	DN50
ACT090DA	249	135	2.5"	DN65
ACT115DA	315	170	3"	DN80
ACT125DA	355	186.5	4"	DN100



Electric Actuator

Size	L	H	match with butterfly valve		match with ball valve	
HL-05	168	120	3/4"-4"	DN20-DN100	1"-2"	DN20-DN50
HL-10	208	144	5"-8"	DN125-DN200	2.5"-3"	DN65-DN80
HL-20	258	175			4"	DN100

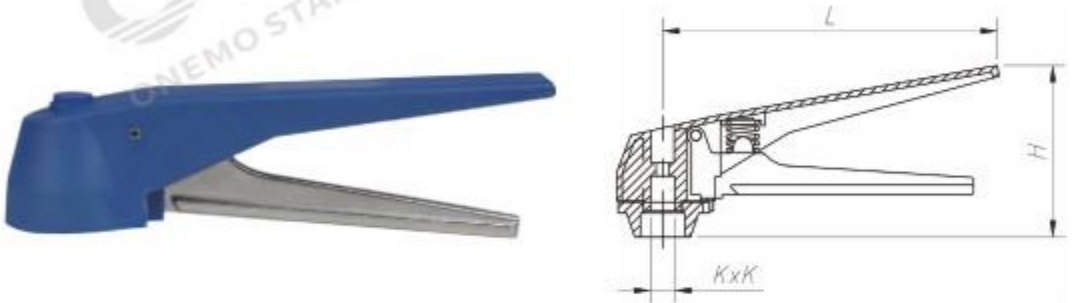
Pulling Handle

Size		H	L	K × K
DN10-DN40	0.5"-1.5"	47.4	140	8X8
DN50	2"	51.4	162	10X10
DN65	2.5"-3"	51.4	162	10X10
DN80-DN100	3.5"-4"	54	180	11X11
DN125-DN150	5"-6"	65	245	14X14
DN200	8"	65	245	14X14
DN250	10"		245	14X14



Plastic Multi-Position Handle

Size	H	L1	KXK	
DN10-DN40	0.5"-1.5"	76	158	8X8
DN50-DN65	2"-3"	76	158	10X10
DN80-DN100	3.5"-4"	76	158	11X11



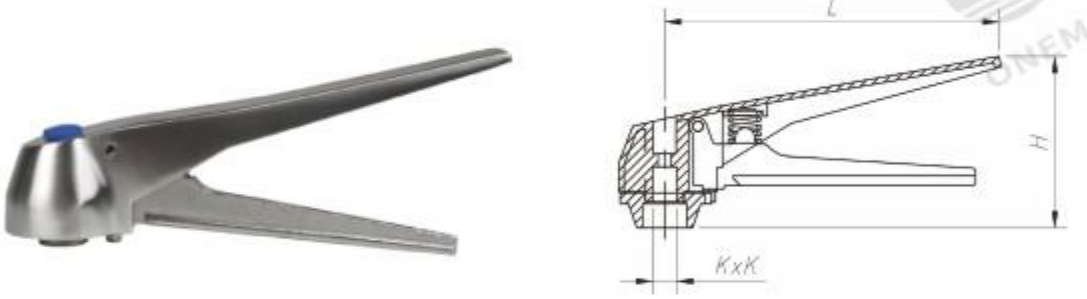
Plastic Multi-Position Handle

Size		L1	KXK
DN10-DN40	0.5"-1.5"	158	8X8
DN50-DN65	2"-3"	158	10X10
DN80-DN100	3.5"-4"	158	11X11



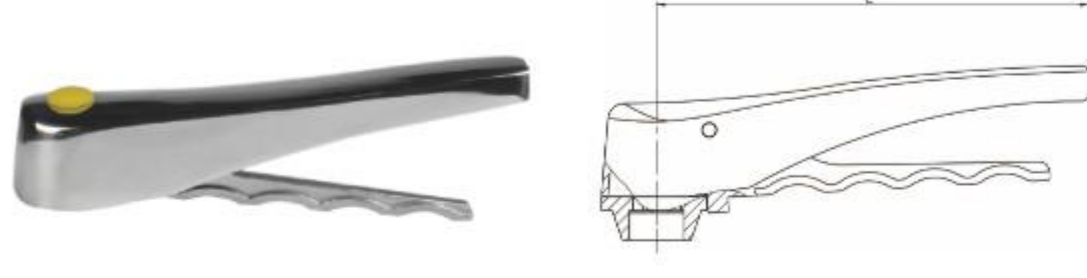
Stainless Steel Multi-Position Handle

Size	H	L1	KXK	
DN10-DN40	0.5"-1.5"	76	158	8X8
DN50-DN65	2"-3"	76	158	10X10
DN80-DN100	3.5"-4"	76	158	11X11



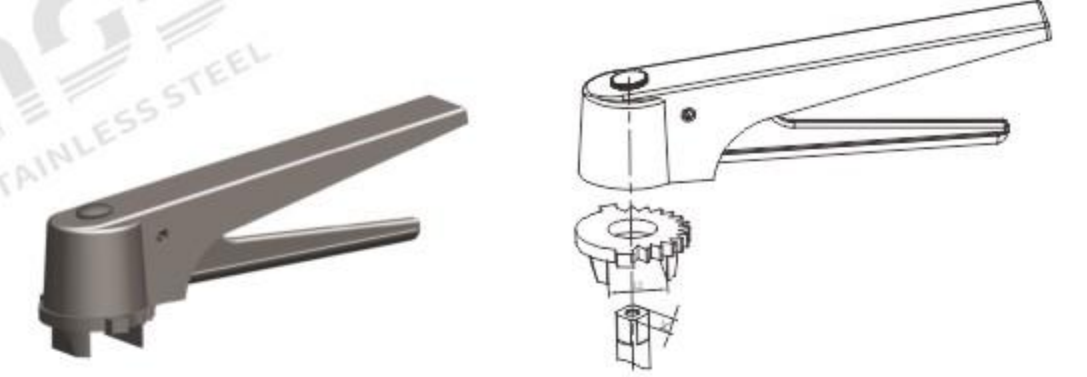
Stainless Steel Multi-Position Handle

Size		L1	KXK
DN10-DN40	0.5"-1.5"	158	8X8
DN50-DN65	2"-3"	158	10X10
DN80-DN100	3.5"-4"	158	11X11

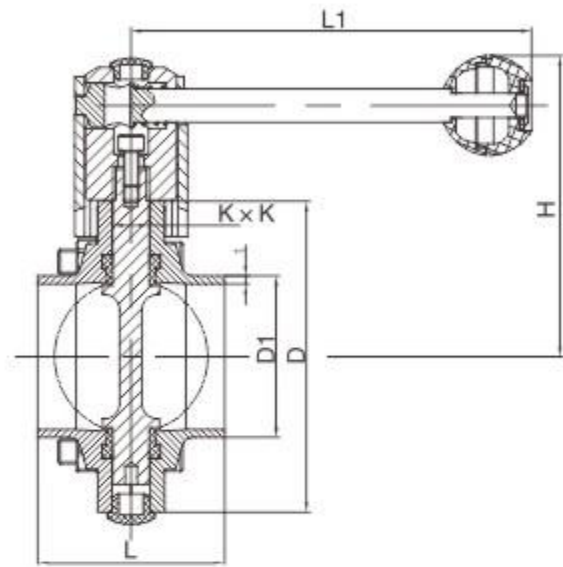


Stainless Steel Multi-Position Handle

Size		L1	L2	K × K
DN15-DN40	0.5"-1.5"	155	20.2	8X8
DN50-DN65	2"-3"	155	20.2	10X10
DN80-DN150	3.5"-6"	155	22.2	11X11
DN200	8"	230	30.2	14X14



SANITARY BUTTERFLY VALVE



DIN

Welded Butterfly Valve

Size	D1		D	L	L1	H	T	KXK
	1	2						
DN10	12	13	78	50	140	86	1.5	8x8
DN15	18	19	78	50	140	86	1.5	8x8
DN20	22	23	78	50	140	86	1.5	8x8
DN25	28	29	78	50	140	86	1.5	8x8
DN32	34	35	86	50	140	90	1.5	8x8
DN40	40	41	90	50	140	92	1.5	8x8
DN50	52	53	106	52	162	99.5	1.5	10x10
DN65	70	-	124	56	162	116	2.0	10x10
DN80	85	-	139	60	180	123.5	2.0	11x11
DN100	104	-	159	64	180	133.5	2.0	11x11
DN125	129	-	185	80	245	146.5	2.0	14x14
DN150	154	-	215	90	245	168	2.0	14x14
DN200	204	-	285	90	245	203	2.0	14x14

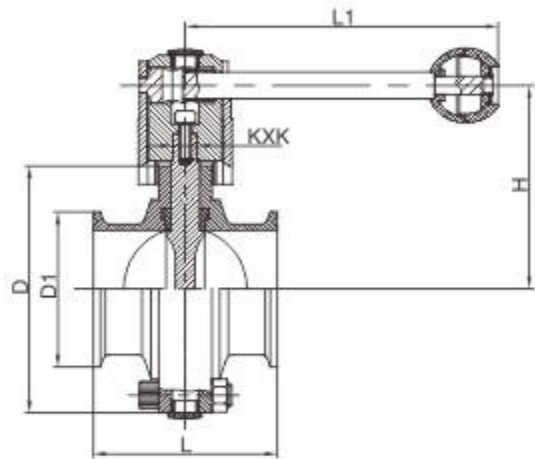
SANITARY BUTTERFLY VALVE



DIN

Clamped Butterfly Valve

Size	D1	D	L	L1	H	KXK
DN10	34	78	66	140	86	8x8
DN15	34	78	66	140	86	8x8
DN20	34	78	66	140	86	8x8
DN25	50.5	78	66	140	86	8x8
DN32	50.5	78	66	140	89.5	8x8
DN40	50.5	86	70	140	91.5	8x8
DN50	64	102	76	162	99.5	10x10
DN65	91	120	80	162	116	10x10
DN80	106	134	100	180	123.5	11x11
DN100	119	154	104	180	133.5	11x11
DN125	144.5	185	136	245	153	14x14
DN125	155	185	136	245	153	14x14
DN150	167	215	146	245	168	14x14
DN150	183	215	146	245	168	14x14
DN200	217.4	285	166	245	203	14x14
DN200	233.5	285	166	245	203	14x14



3A/SMS/ISO/DS

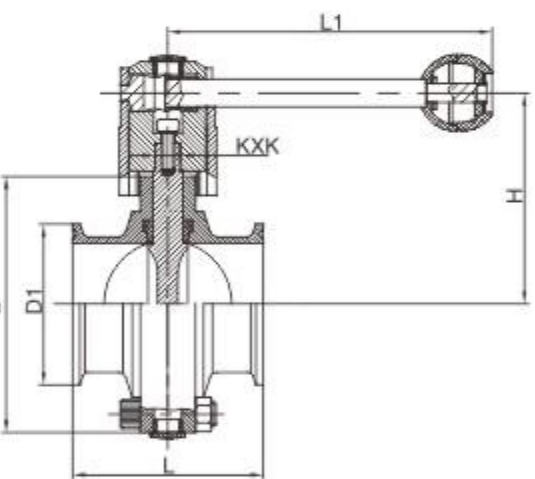
Welded Butterfly Valve

Size	D1	D	L	L1	H	KXK
1/2"	12.7	78	50	140	86	8x8
3/4"	19	78	50	140	86	8x8
1"	25.4	78	50	140	86	8x8
1 1/4"	31.8	78	50	140	86	8x8
1 1/2"	38.1	86	50	140	86	8x8
45	45	90	50	140	89.5	8x8
48	48	95	52	140	95	8x8
2"	50.8	102	52	162	97.5	10x10
57	57	106	52	162	104	10x10
2 1/2"	63.5	115	56	162	111.5	10x10
3"	76.2	128	56	162	118	10x10
3.5"	89	139	60	162	123.5	11x11
4"	102	154	64	162	131	11x11
108	108	159	64	180	133.5	11x11
114	114.3	185	80	180	146.5	11x11
5"	127	185	80	245	146.5	14x14
133	133	215	80	245	161.5	14x14
6"	152.4	215	90	245	168	14x14
159	159	215	90	245	168	14x14
168.3	168.3	215	90	245	168	14x14
8"	203.2	285	90	245	203	14x14
219	219	285	90	245	203	14x14

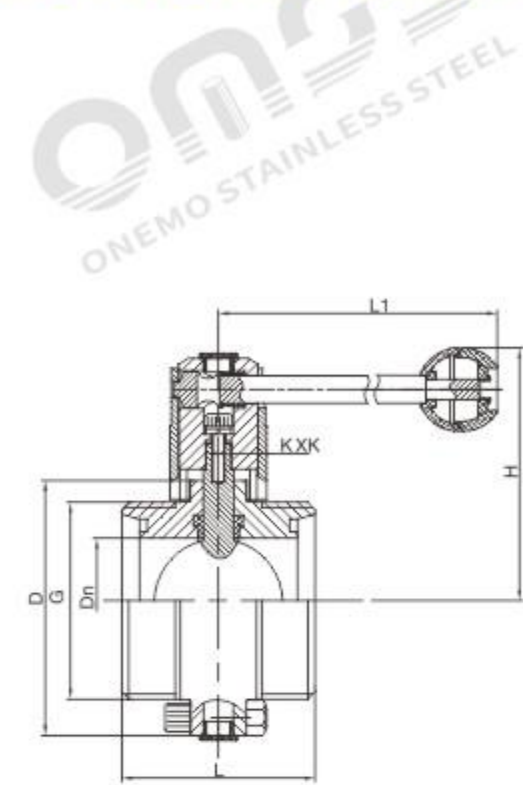
3A/SMS/ISO/DS

Clamped Butterfly Valve

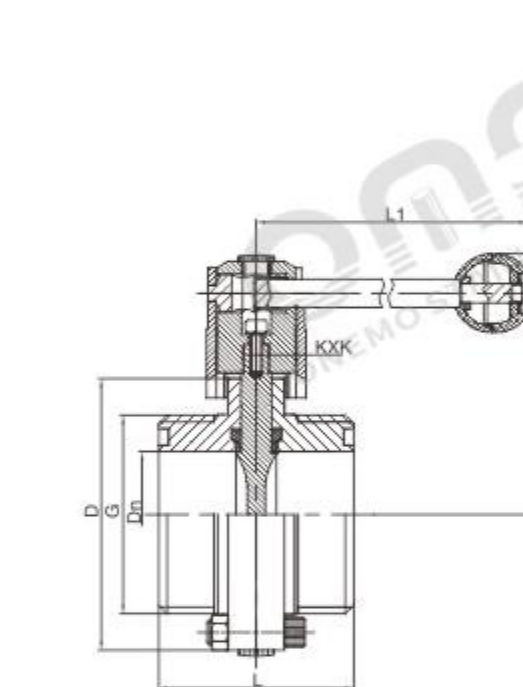
Size	D1	D	L	L1	H	KXK
1/2"	25.4	78	66	140	86	8x8
3/4"	25.4	78	66	140	86	8x8
1"	50.5	78	66	140	86	8x8
1 1/4"	50.5	78	66	140	86	8x8
1 1/2"	50.5	86	70	140	90	8x8
45	64	90	70	140	89.5	8x8
2"	64	102	76	162	97.5	10x10
57	77.5	106	76	162	105	10x10
2 1/2"	77.5	115	80	162	111.5	10x10
3"	91	128	84	162	118	10x10
3.5"	106	139	86	162	123.5	11x11
4"	119	154	104	162	131	11x11
108	119	159	64	180	133.5	11x11
114	130	159	80	180	145.5	11x11
5"	144.5	185	80	245	146.5	14x14
133	155	185	80	245	161.5	14x14
6"	167	215	90	245	168	14x14
159	183	215	90	245	168	14x14
168.3	183	215	90	245	168	14x14
8"	217.4	285	90	245	203	14x14
219	233.5	285	90	245	203	14x14



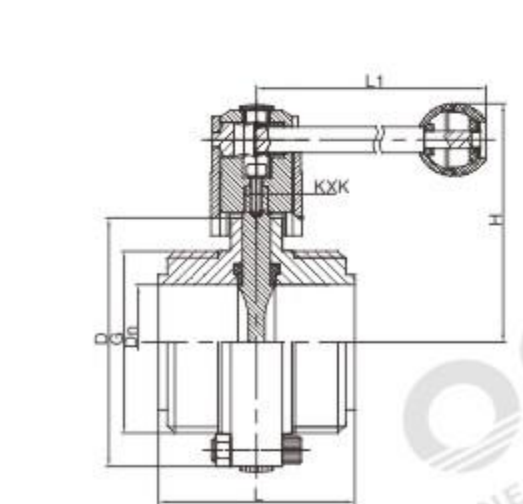
SANITARY BUTTERFLY VALVE



DIN Threaded Butterfly Valve							
Size	DN	D	L	L1	H	G	KXK
DN10	10	78	66	140	86	RD28x1/8	8x8
DN15	15	78	66	140	86	RD34x1/8	8x8
DN20	19	78	66	140	86	RD44x1/6	8x8
DN25	25	78	66	140	86	RD52x1/6	8x8
DN32	31	86	70	140	90	RD58x1/6	8x8
DN40	37	90	74	140	92	RD65x1/6	8x8
DN50	49	106	76	162	99.5	RD78x1/6	10x10
DN65	66	124	80	162	116	RD95x1/6	10x10
DN80	81	139	100	180	123.5	RD110x1/4	11x11
DN100	100	159	104	180	133.5	RD130x1/4	11x11
DN125	125	185	130	245	146.5	RD160x1/4	14x14
DN150	150	215	150	245	161.5	RD190x1/4	14x14



SMS Threaded Butterfly Valve							
Size	DN	D	L	L1	H	G	KXK
Φ19	16	78	66	140	86	RD36x1/8	8x8
Φ25	22.4	78	66	140	86	RD40x1/6	8x8
Φ32	28.8	78	66	140	86	RD48x1/6	8x8
Φ38	35.1	86	74	140	90	RD60x1/6	8x8
Φ51	47.8	102	76	162	97.5	RD70x1/6	10x10
Φ63	59.5	115	80	162	111.5	RD85x1/6	10x10
Φ76	72.2	128	84	162	118	RD98x1/6	10x10
Φ89	85	139	86	160	123.5	RD110x1/6	11x11
Φ102 小	97.6	154	104	180	131	RD125x1/6	11x11
Φ102 大	97.6	159	104	180	131	RD132x1/6	11x11



ISO/IDF Threaded Butterfly Valve							
Size	DN	D	L	L1	H	G	KXK
1"	22.4	78	72	140	86	37.1x1/8Acme	8x8
1 1/2"	35.1	86	76	140	90	50.6x1/8Acme	8x8
2"	47.8	102	82	140	102	64.1x1/8Acme	10x10
2 1/2"	59.5	115	86	140	109	77.6x1/8Acme	10x10
3"	72.2	128	90	162	115	91.1x1/8Acme	10x10
4"(ISO)	97.6	154	110	180	131	118.2x1/8Acme	11x11
4"(IDF)	97.6	154	110	180	131	125.9x1/6Acme	11x11

SANITARY BUTTERFLY VALVE

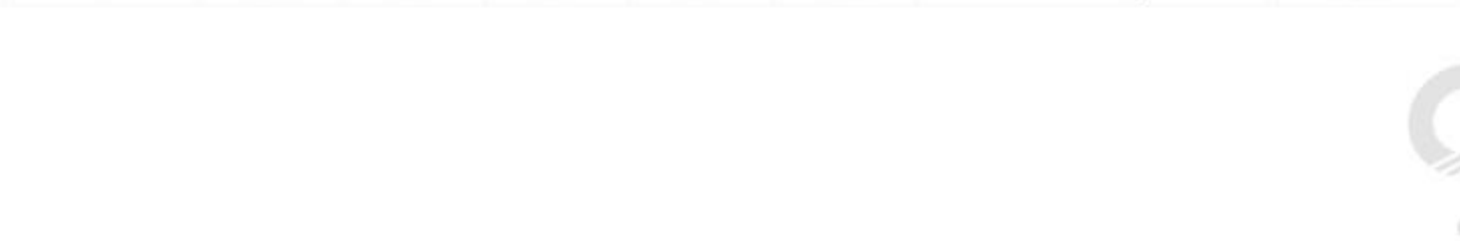
RJT Threaded Butterfly Valve							
Size	DN	D	L	L1	H	G	KXK
1"	22.2	78	80	140	86	45.7x1/8TWHIT	8x8
1 1/2"	34.9	86	80	140	90	58.4x1/8TWHIT	8x8
2"	47.6	102	84	162	97.5	72.7x1/6TWHIT	10x10
2 1/2"	60.3	115	84	162	111.5	85.4x1/6TWHIT	10x10
3"	73.0	128	84	162	118	98.1x1/6TWHIT	10x10
4"	97.5	154	104	180	131	123.8x1/6TWHIT	11x11
6"	148	215	150	245	168	174.3x1/6TWHIT	14x14



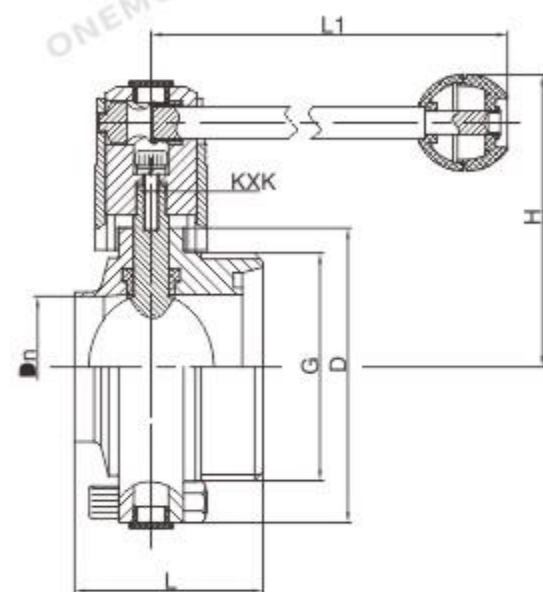
3A Threaded Butterfly Valve							
Size	DN	D	L	L1	H	G	KXK
1"	22.1	78	66	126	86	37.1x1/8Acme	8x8
1 1/2"	34.8	86	70	126	90	50.6x1/8Acme	8x8
2"	47.5	102	76	133	97.5	64.1x1/8Acme	10x10
2 1/2"	60.2	115	80	144	109	77.6x1/8Acme	10x10
3"	72.9	128	100	144	118	91.1x1/8Acme	10x10
4"	97.4	154	104	160	131	119.2x1/6Acme	11x11



DS Threaded Butterfly Valve							
Size	DN	D	L	L1	H	G	KXK
1"	22.4	78	66	126	86	RD44x1/6	8x8
1 1/2"	35.1	86	70	126	90	RD58x1/6	8x8
2"	47.8	102	76	133	97.5	RD72x1/6	10x10
2 1/2"	59.5	115	80	144	109	RD88x1/6	10x10
3"	72.2	128	100	144	118	RD100x1/6	10x10
4"	97.6	154	104	160	131	RD130x1/4	11x11



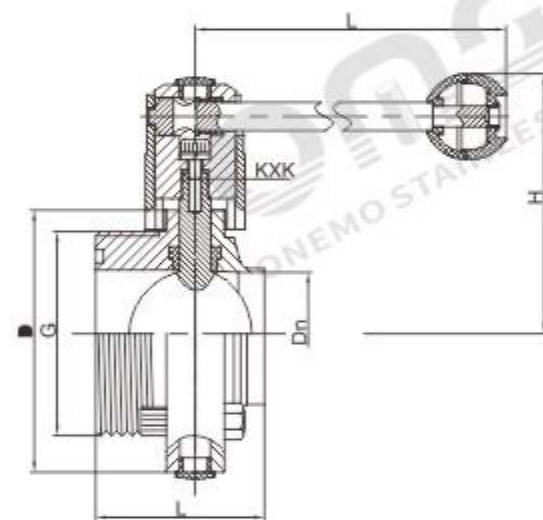
SANITARY BUTTERFLY VALVE



DIN

Threaded / Welded Butterfly Valve

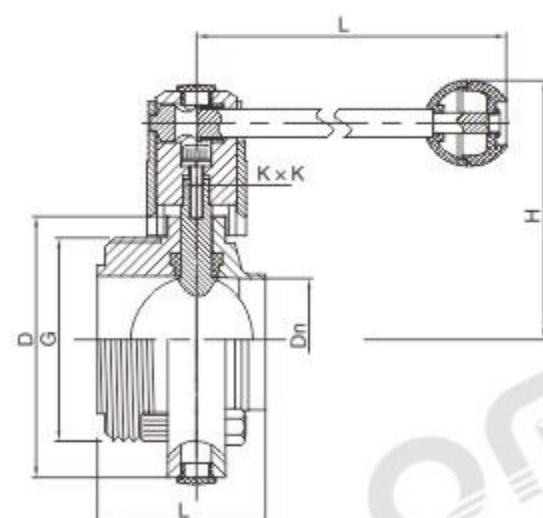
Size	DN	D	L	L1	H	G	KxK
DN10	10	78	58	140	86	RD28x1/8	8x8
DN15	15	78	58	140	86	RD34x1/8	8x8
DN20	19	78	58	140	86	RD44x1/6	8x8
DN25	25	78	58	140	86	RD52x1/6	8x8
DN32	31	86	60	140	90	RD58x1/6	8x8
DN40	37	90	62	140	92	RD65x1/6	8x8
DN50	49	106	64	162	99.5	RD78x1/6	10x10
DN65	66	124	68	162	116	RD95x1/6	10x10
DN80	81	139	70	180	123.5	RD110x1/4	11x11
DN100	100	159	84	180	133.5	RD130x1/4	11x11
DN125	125	185	105	245	153	RD160x1/4	14x14
DN150	150	215	120	245	168	RD190x1/4	14x14



SMS

Threaded / Welded Butterfly Valve

Size	DN	D	L	L1	H	G	KxK
Φ19	16	78	58	140	86	RD36x1/8	8x8
Φ25	22.4	78	58	140	86	RD40x1/6	8x8
Φ32	28.8	78	58	140	86	RD48x1/6	8x8
Φ38	35.1	86	60	140	90	RD60x1/6	8x8
Φ51	47.8	102	64	162	97.5	RD70x1/6	10x10
Φ63	59.5	115	68	162	111.5	RD85x1/6	10x10
Φ76	72.2	128	70	162	118	RD98x1/6	10x10
Φ102 小	97.6	154	84	180	131	RD125x1/6	11x11
Φ102 大	97.6	154	84	180	131	RD132x1/6	11x11



ISO/IDF

Threaded / Welded Butterfly Valve

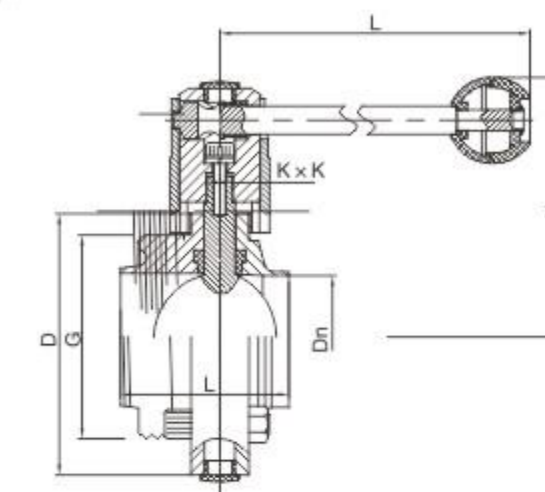
Size	DN	D	L	L1	H	G	KxK
1"	22.4	78	80	140	86	37.1x1/8Acme	8x8
1 1/2"	35.1	86	80	140	90	50.6x1/8Acme	8x8
2"	47.8	102	84	162	97.5	64.1x1/8Acme	10x10
2 1/2"	59.5	115	84	162	111.5	77.6x1/8Acme	10x10
3"	72.2	128	84	162	118	91.1x1/8Acme	10x10
4"(ISO)	97.6	154	104	245	131	118.2x1/8Acme	11x11
4"(IDF)	97.6	154	104	245	131	125.9x1/6Acme	11x11

SANITARY BUTTERFLY VALVE

RJT

Threaded / Welded Butterfly Valve

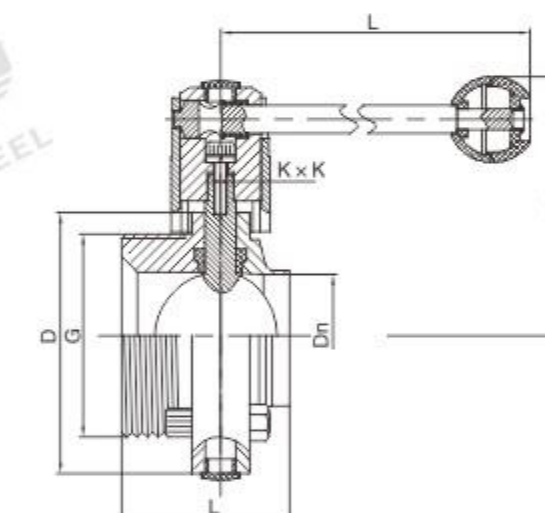
Size	DN	D	L	L1	H	G	KxK
1"	22.2	78	65	140	86	45.7x1/8TWHIT	8x8
1 1/2"	34.9	86	65	140	90	58.4x1/8TWHIT	8x8
2"	47.6	102	68	162	97.5	72.7x1/6TWHIT	10x10
2 1/2"	60.3	115	70	162	111.5	85.4x1/6TWHIT	10x10
3"	73.0	128	70	162	118	98.1x1/6TWHIT	10x10
4"	97.5	154	84	180	131	123.8x1/6TWHIT	11x11



3A

Threaded / Welded Butterfly Valve

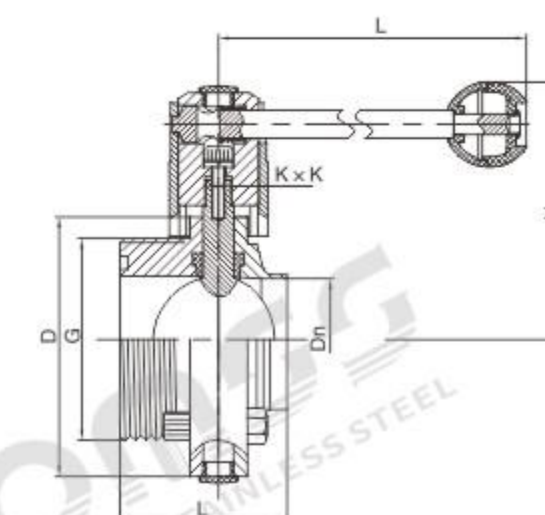
Size	DN	D	L	L1	H	G	KxK
1"	22.1	78	58	140	86	37.1x1/8Acme	8x8
1 1/4"	28.8	78	60	140	86	45.9x1/8Acme	8x8
1 1/2"	34.8	86	60	140	90	50.6x1/8Acme	8x8
2"	47.5	102	64	162	97.5	64.1x1/8Acme	10x10
2 1/2"	60.2	115	68	162	111.5	77.6x1/8Acme	10x10
3"	72.9	128	70	162	118	91.1x1/8Acme	10x10
4"	97.6	154	84	180	131	119.2x1/6Acme	11x11



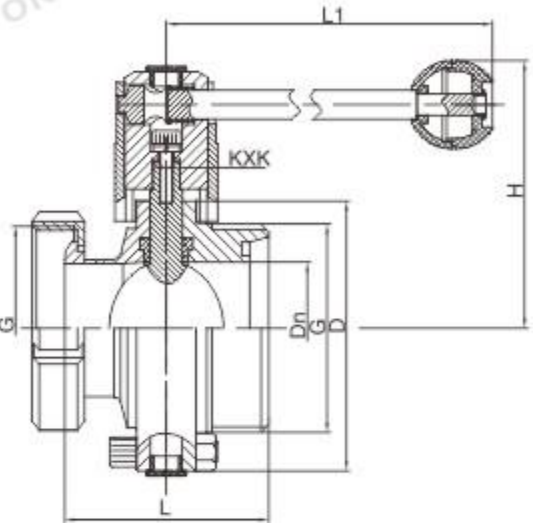
DS

Threaded / Welded Butterfly Valve

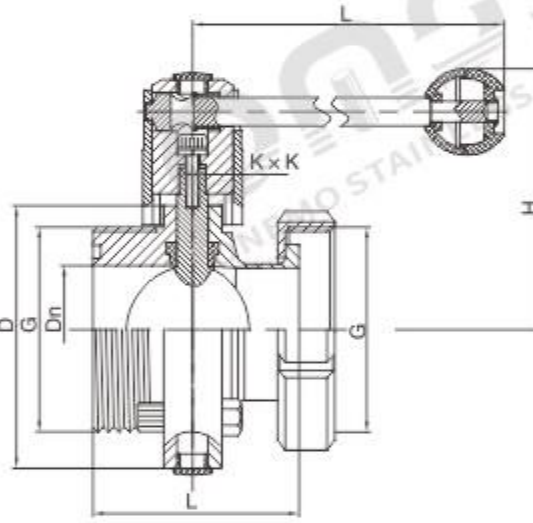
Size	DN	D	L	L1	H	G	KxK
1"	22.4	78	58	140	86	RD44x1/6	8x8
1 1/4"	28.8	78	58	140	86	RD52x1/6	8x8
1 1/2"	35.1	86	60	140	90	RD58x1/6	8x8
2"	47.8	102	64	162	97.5	RD72x1/6	10x10
2 1/2"	59.5	115	68	162	111.5	RD88x1/6	10x10
3"	72.2	128	70	162	118	RD100x1/6	10x10
4"	97.6	154	84	180	131	RD130x1/4	11x11



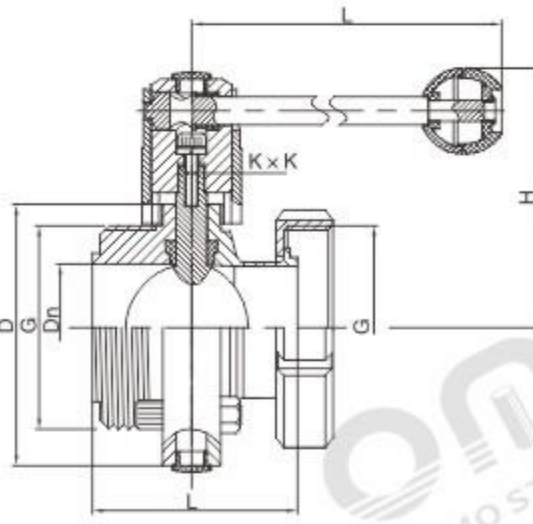
SANITARY BUTTERFLY VALVE



DIN Threaded / Nut Butterfly Valve(DIN)							
Size	DN	D	L	L1	H	G	KXK
DN10	10	78	75	126	86	RD28x1/8	8x8
DN15	15	78	75	126	86	RD34x1/8	8x8
DN20	19	78	76	126	86	RD44x1/6	8x8
DN25	25	78	80	126	86	RD52x1/6	8x8
DN32	31	86	85	126	90	RD58x1/6	8x8
DN40	37	90	88	126	92	RD65x1/6	8x8
DN50	49	106	92	133	99.5	RD78x1/6	10x10
DN65	66	124	100	144	116	RD95x1/6	10x10
DN80	81	139	107	160	123.5	RD110x1/4	11x11
DN100	100	159	128	160	133.5	RD130x1/4	11x11
DN125	125	185	139	220	146.5	RD160x1/4	14x14
DN150	150	215	157	220	161.5	RD190x1/4	14x14



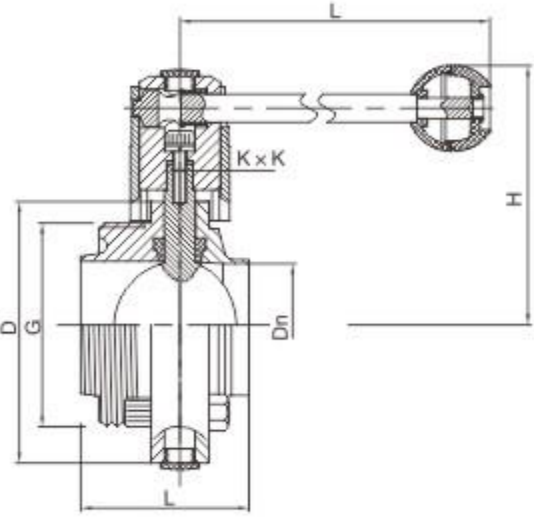
SMS Threaded / Nut Butterfly Valve(SMS)							
Size	DN	D	L	L1	H	G	KXK
Φ19	16	78	70	140	86	RD36x1/8	8x8
Φ25	22.4	78	73	140	86	RD40x1/6	8x8
Φ32	28.8	78	78	140	86	RD48x1/6	8x8
Φ38	35.1	86	80	140	90	RD60x1/6	8x8
Φ51	47.8	102	84	162	97.5	RD70x1/6	10x10
Φ63	59.5	115	89	162	111.5	RD85x1/6	10x10
Φ76	72.2	128	91	162	118	RD98x1/6	10x10
Φ89	85	139	94	180	123.5	RD110x1/6	11x11
Φ102 小	97.6	154	105	180	131	RD125x1/6	11x11
Φ102 大	97.6	154	105	180	131	RD132x1/6	11x11



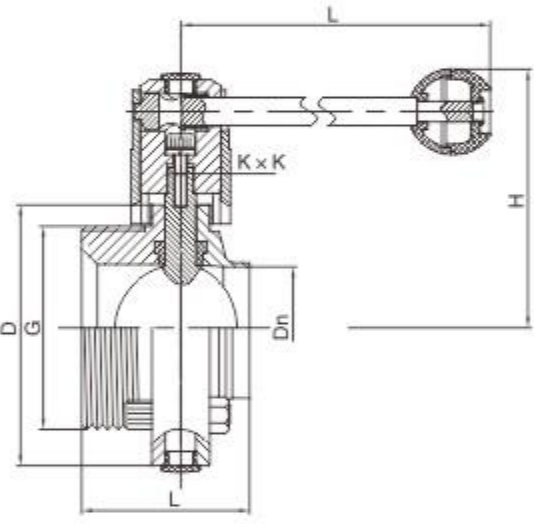
ISO/IDF Threaded / Nut Butterfly Valve(ISO/IDF)							
Size	DN	D	L	L1	H	G	KXK
1"	22.2	78	80	140	86	37.1x1/8Acme	8x8
1 1/2"	34.9	86	80	140	90	50.6x1/8Acme	8x8
2"	47.6	102	84	140	97.5	64.1x1/8Acme	10x10
2 1/2"	60.3	115	84	162	111.5	77.6x1/8Acme	10x10
3"	73	128	84	162	118	91.1x1/8Acme	10x10
4"(ISO)	97.5	154	104	180	131	118.2x1/8Acme	11x11
4"(IDF)	97.5	154	104	180	131	125.9x1/6Acme	11x11

SANITARY BUTTERFLY VALVE

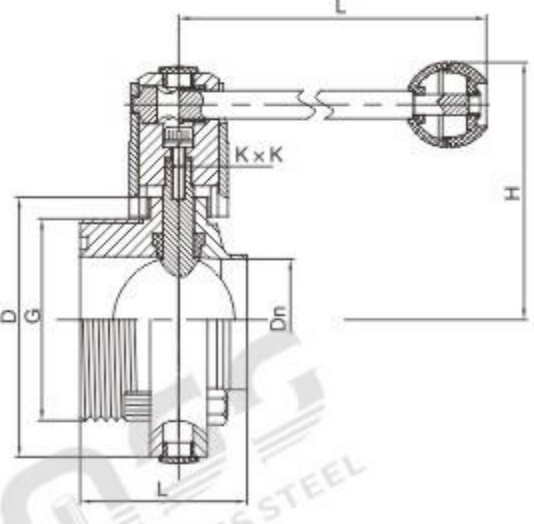
RJT Threaded / Welded Butterfly Valve(RJT)							
Size	DN	D	L	L1	H	G	KXK
1"	22.2	78	65	140	86	45.7x1/8TWHIT	8x8
1 1/2"	34.9	86	65	140	90	58.4x1/8TWHIT	8x8
2"	47.6	102	68	162	97.5	72.7x1/6TWHIT	10x10
2 1/2"	60.3	115	70	162	111.5	85.4x1/6TWHIT	10x10
3"	73.0	128	70	162	118	98.1x1/6TWHIT	10x10
4"	97.5	154	84	180	131	123.8x1/6TWHIT	11x11



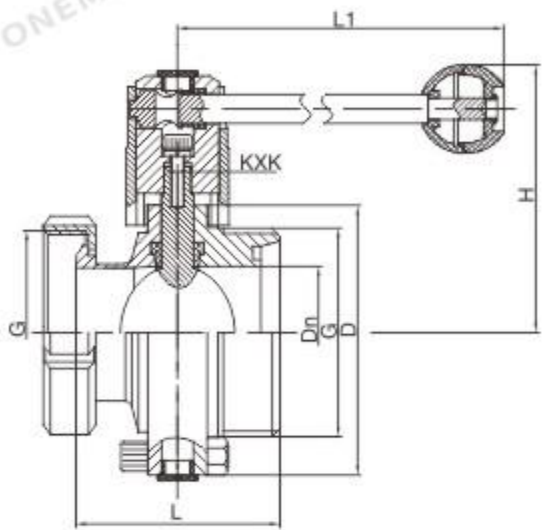
3A Threaded / Welded Butterfly Valve(3A)							
Size	DN	D	L	L1	H	G	KXK
1"	22.1	78	58	140	86	37.1x1/8Acme	8x8
1 1/4"	28.8	78	60	140	86	45.9x1/8Acme	8x8
1 1/2"	34.8	86	60	140	90	50.6x1/8Acme	8x8
2"	47.5	102	64	162	97.5	64.1x1/8Acme	10x10
2 1/2"	60.2	115	68	162	111.5	77.6x1/8Acme	10x10
3"	72.9	128	70	162	118	91.1x1/8Acme	10x10
4"	97.6	154	84	180	131	119.2x1/6Acme	11x11



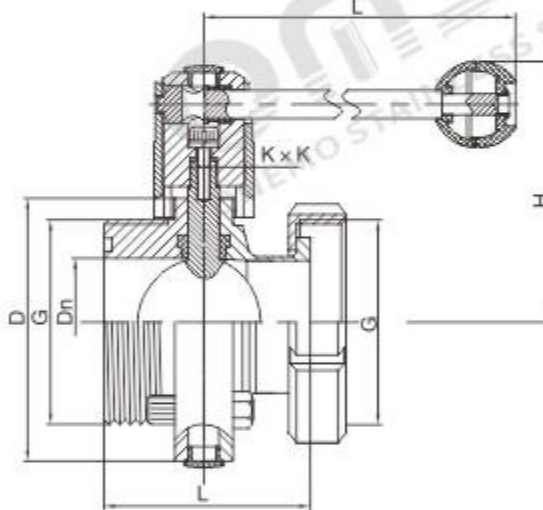
DS Threaded / Welded Butterfly Valve(DS)							
Size	DN	D	L	L1	H	G	KXK
1"	22.4	78	58	140	86	RD44x1/6	8x8
1 1/4"	28.8	78	58	140	86	RD52x1/6	8x8
1 1/2"	35.1	86	60	140	90	RD58x1/6	8x8
2"	47.8	102	64	162	97.5	RD72x1/6	10x10
2 1/2"	59.5	115	68	162	111.5	RD88x1/6	10x10
3"	72.2	128	70	162	118	RD100x1/6	10x10
4"	97.6	154	84	180	131	RD130x1/4	11x11



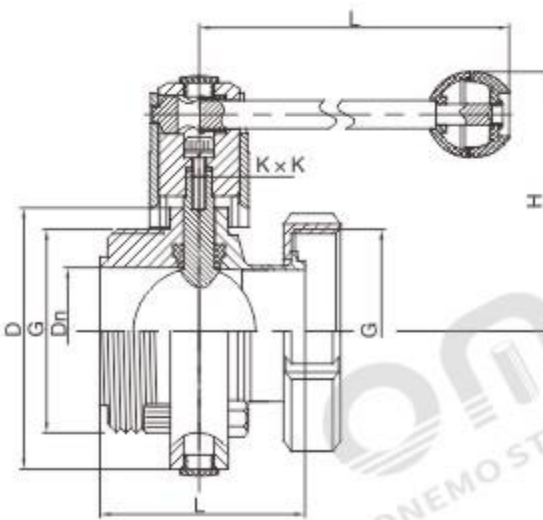
SANITARY BUTTERFLY VALVE



DIN Threaded / Nut Butterfly Valve							
Size	DN	D	L	L1	H	G	KXK
DN10	10	78	75	126	86	RD28x1/8	8x8
DN15	15	78	75	126	86	RD34x1/8	8x8
DN20	19	78	76	126	86	RD44x1/6	8x8
DN25	25	78	80	126	86	RD52x1/6	8x8
DN32	31	86	85	126	90	RD58x1/6	8x8
DN40	37	90	88	126	92	RD65x1/6	8x8
DN50	49	106	92	133	99.5	RD78x1/6	10x10
DN65	66	124	100	144	116	RD95x1/6	10x10
DN80	81	139	107	160	123.5	RD110x1/4	11x11
DN100	100	159	128	160	133.5	RD130x1/4	11x11
DN125	125	185	139	220	146.5	RD160x1/4	14x14
DN150	150	215	157	220	161.5	RD190x1/4	14x14



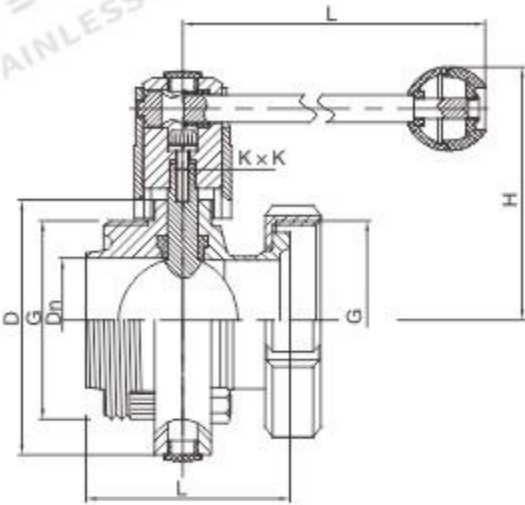
SMS Threaded / Nut Butterfly Valve							
Size	DN	D	L	L1	H	G	KXK
Φ19	16	78	70	140	86	RD36x1/8	8x8
Φ25	22.4	78	73	140	86	RD40x1/6	8x8
Φ32	28.8	78	78	140	86	RD48x1/6	8x8
Φ38	35.1	86	80	140	90	RD60x1/6	8x8
Φ51	47.8	102	84	162	97.5	RD70x1/6	10x10
Φ63	59.5	115	89	162	111.5	RD85x1/6	10x10
Φ76	72.2	128	91	162	118	RD98x1/6	10x10
Φ89	85	139	94	180	123.5	RD110x1/6	11x11
Φ102 小	97.6	154	105	180	131	RD125x1/6	11x11
Φ102 大	97.6	154	105	180	131	RD132x1/6	11x11



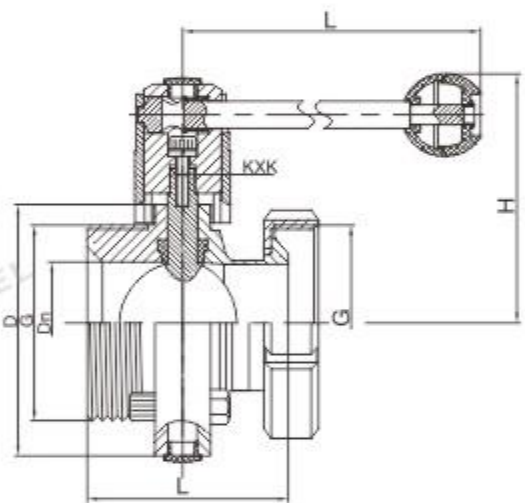
ISO/IDF Threaded / Nut Butterfly Valve							
Size	DN	D	L	L1	H	G	KXK
1"	22.2	78	80	140	86	37.1x1/8Acme	8x8
1 1/2"	34.9	86	80	140	90	50.6x1/8Acme	8x8
2"	47.6	102	84	140	97.5	64.1x1/8Acme	10x10
2 1/2"	60.3	115	84	162	111.5	77.6x1/8Acme	10x10
3"	73	128	84	162	118	91.1x1/8Acme	10x10
4"(ISO)	97.5	154	104	180	131	118.2x1/8Acme	11x11
4"(IDF)	97.5	154	104	180	131	125.9x1/6Acme	11x11

SANITARY BUTTERFLY VALVE

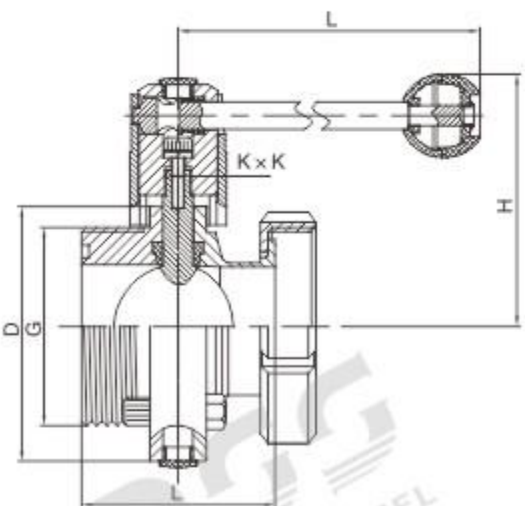
RJT Threaded / Nut Butterfly Valve							
Size	DN	D	L	L1	H	G	KXK
1"	22.2	78	77.7	140	86	45.7x1/8TWHIT	8x8
1 1/2"	34.9	86	77.7	140	90	58.4x1/8TWHIT	8x8
2"	47.6	102	80.7	162	97.5	72.7x1/6TWHIT	10x10
2 1/2"	60.3	115	82.7	162	111.5	85.4x1/6TWHIT	10x10
3"	73.0	128	82.7	162	118	98.1x1/6TWHIT	10x10
4"	97.5	154	109.4	180	131	123.8x1/6TWHIT	11x11



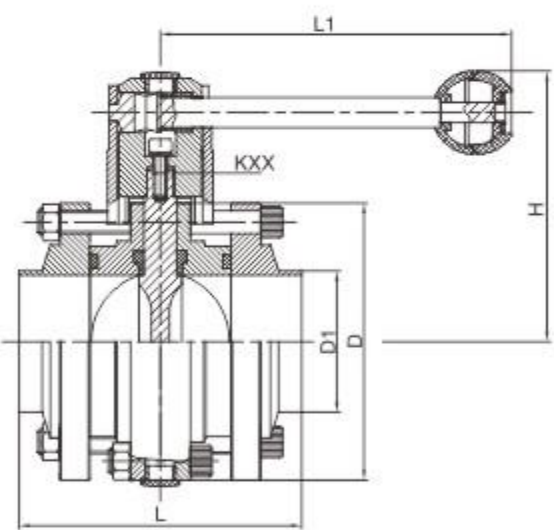
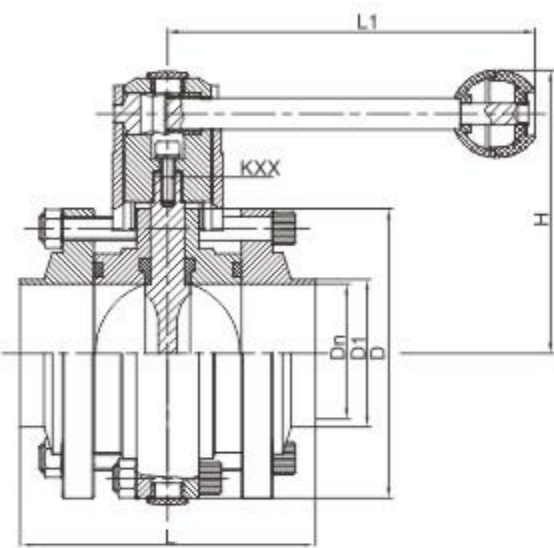
3A Threaded / Nut Butterfly Valve							
Size	DN	D	L	L1	H	G	KXK
1"	22.1	78	92.9	140	86	37.1x1/8Acme	8x8
1 1/2"	34.8	86	98.1	140	90	50.6x1/8Acme	8x8
2"	47.5	102	102.1	162	97.5	64.1x1/8Acme	10x10
2 1/2"	60.2	115	112.5	162	111.5	77.6x1/8Acme	10x10
3"	72.9	128	114.5	162	118	91.1x1/8Acme	10x10
4"	97.6	154	128.5	180	131	119.2x1/6Acme	11x11



DS Threaded / Nut Butterfly Valve							
Size	DN	D	L	L1	H	G	KXK
1"	22.4	78	74	140	86	RD44x1/6	8x8
1 1/2"	35.1	86	78	140	90	RD58x1/6	8x8
2"	47.8	102	84	162	97.5	RD72x1/6	10x10
2 1/2"	59.5	115	90	162	111.5	RD88x1/6	10x10
3"	72.2	128	94	162	118	RD100x1/6	10x10
4"	97.6	154	114	180	131	RD130x1/4	11x11



SANITARY BUTTERFLY VALVE



DIN

Three-Piece Butterfly Valve

SIZE	D1		L	L1	H	t	KXX
	1	2					
DN25	28	29	100	135	68	1.5	8X8
DN32	34	35	100	135	70	1.5	8X8
DN40	40	41	100	135	74	1.5	8X8
DN50	52	53	104	135	82	1.5	10X10
DN65	70	-	108	135	94	2.0	10X10
DN80	85	-	110	160	102	2.0	11X11
DN100	104	-	116	160	112	2.0	11X11
DN125	129	-	138	210	128	2.0	14X14
DN150	154	-	152	210	142	2.0	14X14
DN200	204	-	162	315	183	2.0	14X14

3A/SMS/ISO/DS

Three-Piece Butterfly Valve

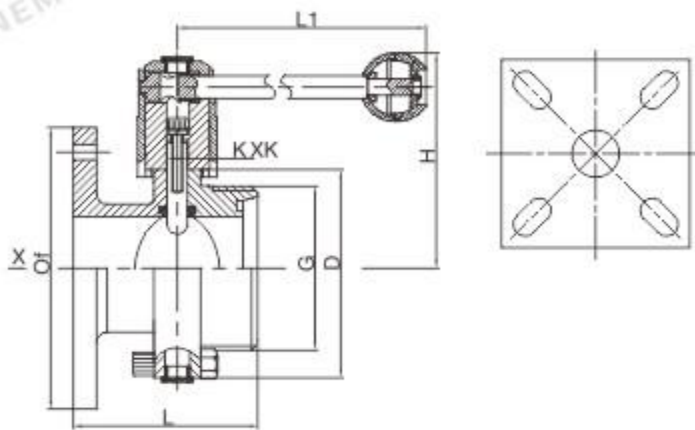
SIZE	D1	L	L1	H	KXX
1"	25.4	100	135	68	8X8
1 1/4"	31.8	100	135	70	8X8
1 1/2"	38.1	100	135	72	8X8
45	45	100	135	79	8X8
2"	50.8	104	135	79	10X10
57	57	104	135	82	10X10
2 1/2"	63.5	106	135	86	10X10
3"	76.2	108	135	96	10X10
3.5"	89	112	160	102	11X11
4"	101.6	116	160	110	11X11
108	108	116	160	110	11X11
5"	127	138	210	128	14X14
6"	152.4	152	210	147	14X14
159	159	152	210	147	14X14
8"	203.2	162	315	183	14X14
10"	254	210	315	210	14X14

SANITARY BUTTERFLY VALVE

DIN

Square Flange/ Threaded Butterfly Valve

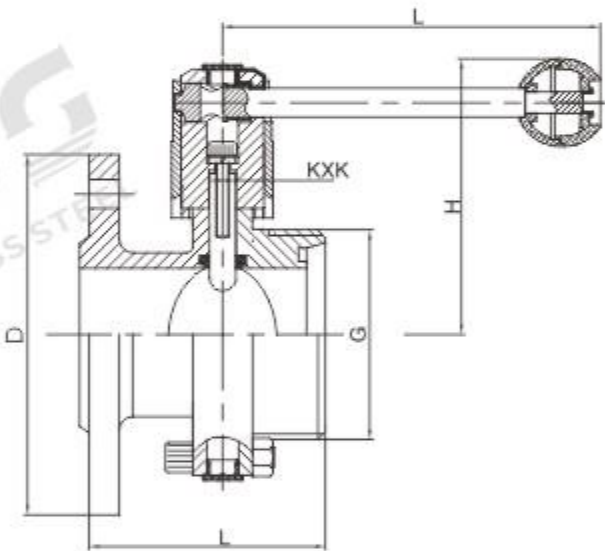
SIZE	D	Of	L	L1	H	KXX	G
DN15	78	100X100	68	126	86	8X8	RD34X1/8
DN20	78	100X100	68	126	86	8X8	RD44X1/6
DN25	78	100X100	68	126	86	8X8	RD52X1/6
DN32	86	100X100	70	126	90	8X8	RD58X1/6
DN40	90	100X100	72	126	92	8X8	RD65X1/6
DN50	106	100X100	74	133	104	10X10	RD78X1/6
DN65	124	120X120	80	144	113	10X10	RD95X1/6
DN80	139	140X140	85	160	123.5	11X11	RD110X1/4
DN100	159	140X140	96	160	133.5	11X11	RD130X1/4



DIN

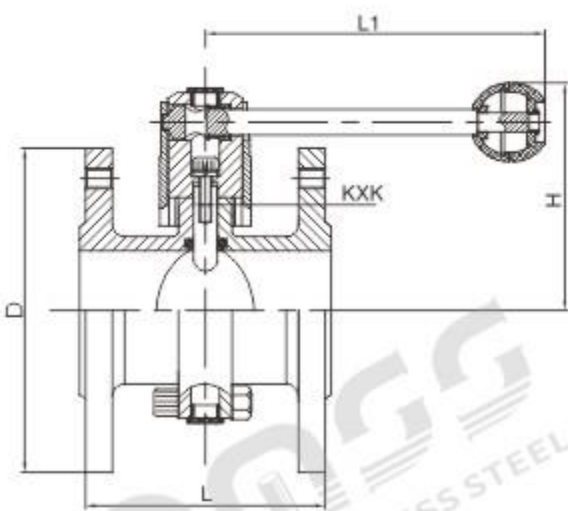
Round Flange/Threaded Butterfly Valve

SIZE	D	G(Rd)	L	L1	H	KXX
DN25	115	RD52X1/6	80	126	80	8X8
DN32	135	RD58X1/6	86	126	80	8X8
DN40	145	RD65X1/6	92	126	86	8X8
DN50	160	RD78X1/6	94	133	106	10X10
DN65	180	RD95X1/6	104	144	115	10X10
DN80	195	RD110X1/4	110	160	122	11X11
DN100	215	RD130X1/4	130	160	132	11X11
DN125	245	RD160X1/4	154	220	147	11X11
DN150	280	RD190X1/4	174	220	162	11X11

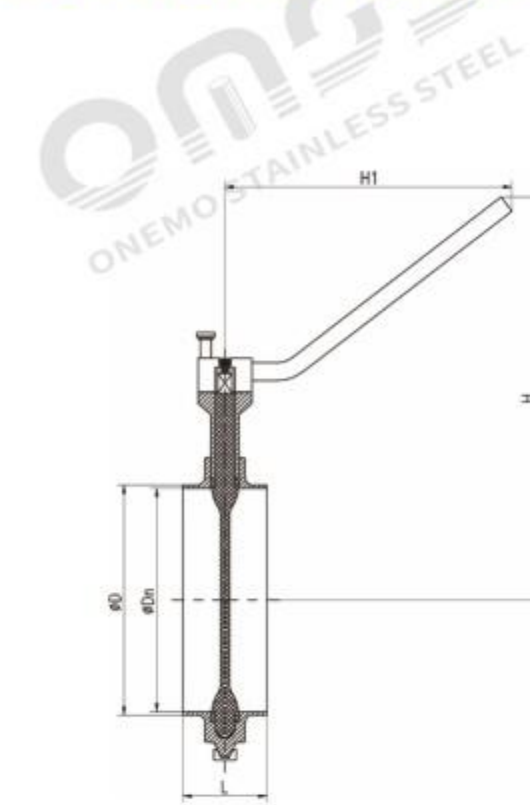


Flanged Butterfly Valve

SIZE	D	L	L1	H	KXX
DN25	115	94	126	80	8X8
DN32	135	102	126	80	8X8
DN40	145	110	126	86	8X8
DN50	160	112	133	106	10X10
DN65	180	124	144	115	10X10
DN80	195	130	160	122	11X11
DN100	215	152	160	132	11X11
DN125	245	178	220	147	11X11
DN150	280	198	220	162	11X11



SANITARY BUTTERFLY VALVE



Powder Butterfly valve

SIZE	L	ΦD	ΦDn	H	H1
DN200	75	206	200	360	260

Vacuum Butterfly Valve

型号	通径 DN(mm)	外形尺寸 (mm)						n- Φc
		D	D1	B	H	H1	L	
G1-32	32	78	64	22	115	76	85	4-Φ7
G1-40	40	85	70	22	122.5	80	85	4-Φ7
G1-50	50	110	90	22	153	98	95	4-Φ9
G1-65	65	125	105	26	185.5	123	132	4-Φ9
G1-80	80	145	125	30	225.5	153	132	4-Φ9
G1-80A	80	145	125	32	165	153	132	8-Φ9
G1-100	100	170	145	30	250	165	132	4-Φ12
G1-100A	100	165	145	32	195	165	132	8-Φ12
G1-150	150	220	195	35	310	200	167	8-Φ12
G1-160A	160	225	200	35	266	200	167	8-Φ11
G1-200	200	275	260	40	432.5	295	232	8-Φ12
G1-200A	200	285	250	45	379	295	232	12-Φ11
G1-250	250	330	300	45	477	312	269	8-Φ12
G1-250A	250	335	310	50	437	312	269	12-Φ11

Vacuum Butterfly valve

SIZE	A	ΦDn	ΦD1	ΦD	H
KF16	66	15.8	17.2	30	39
KF25	66	22.1	26.2	40	39
KF40	70	34.8	41.2	55	43
KF50	76	47.5	52.2	75	51

SANITARY VACUUM RELIEF VALVE



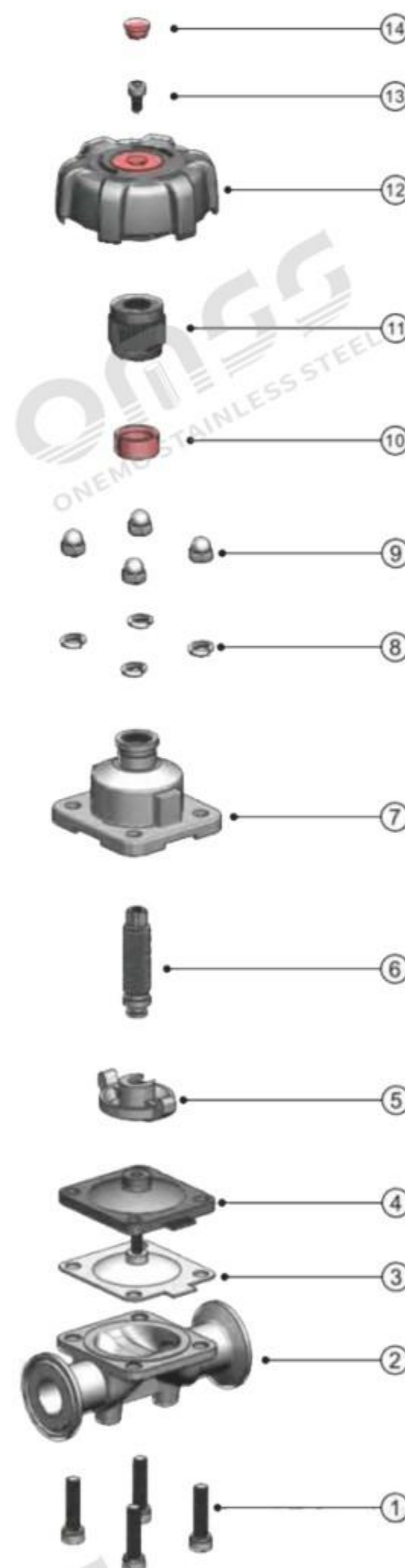
Item	Description	Material
1	Body	T304
2	Seat	EPDM
3	Stem	T304
4	Spring	T304
5	Cover	T304



SANITARY DIAPHRAGM VALVE



SANITARY DIAPHRAGM VALVE



Item	Description	Material
1	Screw	T304
2	Valve Body	316L1.4404/1.4435
3	Diaphragm	PTFE
4	Elstomer Diaphragm	EPDM
5	Positionor	304L
6	Stem	304L
7	Upper Valve Body	304L
8	washer	304
9	Nut	304
10	Bushing	Polyacetal
11	Hub	Polyacetal
12	Handle	Polyacetal
13	Handle Screw	304
14	Cap	Polyacetal

Soft elastomer and PTFE

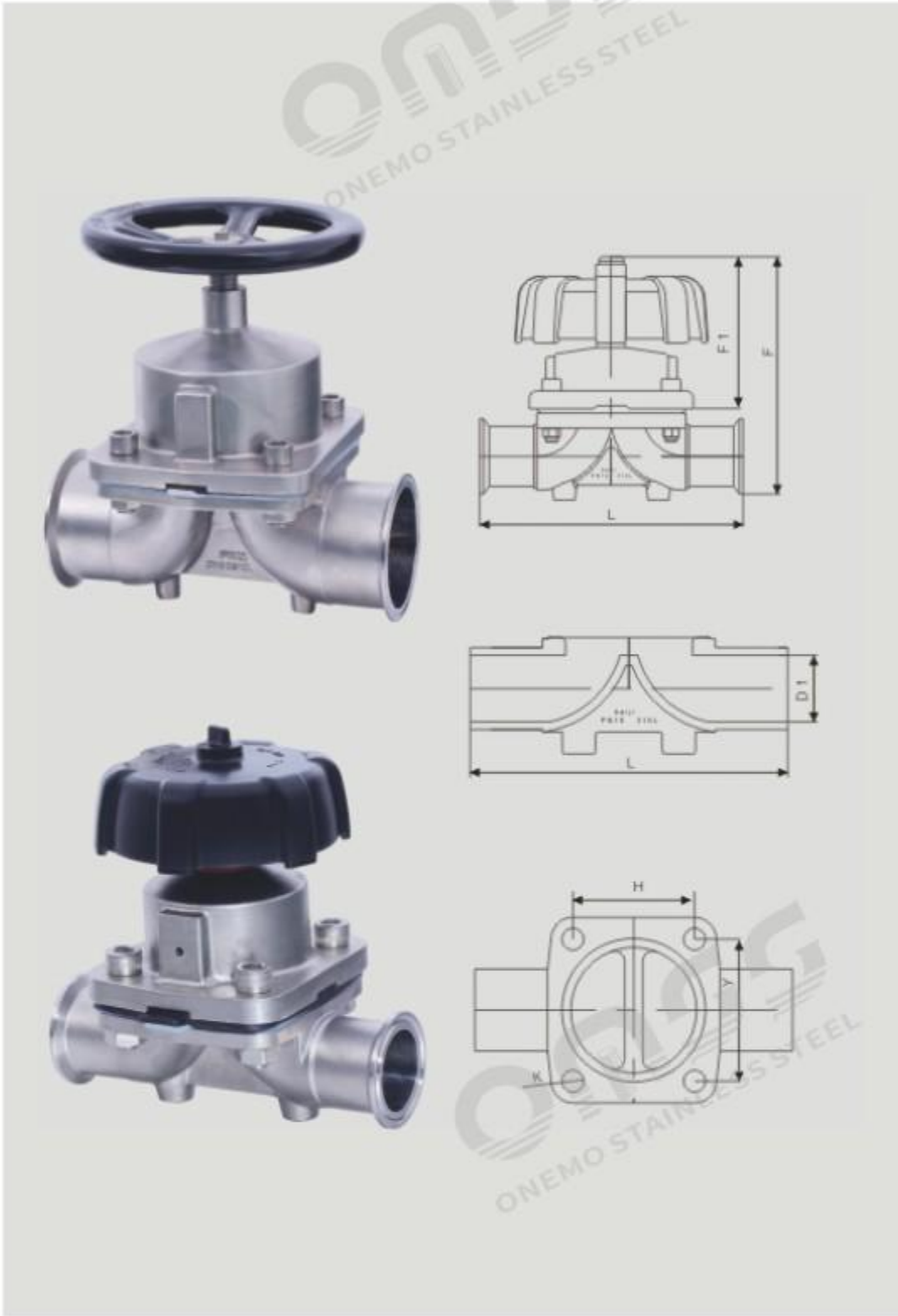
Soft elastomer diaphragms consist of EPDM rubber mixtures, which are peroxidically cross-linked (vulcanised) with each other. This enables the diaphragms to be used safely, even at high media temperatures. The PTFE diaphragms are made of a chemically modified second-generation PTFE and provide maximum chemical resistance. Even under steam conditions, PTFE diaphragms wear much more slowly than soft elastomer diaphragms.

STRAIGHT WAYDIAPHRAGM VALVE

The diaphragm valve is a widely used diaphragm product, applicable to the fluid control systems in fluid - related industries such as pharmaceuticals, biology, dairy products and beverages, chemicals, cosmetics, food, and electronics. It has numerous advantages, including no dead - ends in use, no leakage, easy cleaning, low maintenance cost, and easy operation. It can achieve both automatic and manual control, providing an excellent product for reducing the operating costs of enterprises. When installed at a 35 - degree angle, it can be emptied completely, has no leakage risk inside the valve, has high corrosion resistance, and allows materials with relatively high viscosity to pass through easily. It can replace ball valves and butterfly valves for products with high cleanliness requirements.

规格	L	F	F1
DN6	72	80	55
DN8	72	80	55
DN10	72	80	55
DN15	106	126	80
DN20	125	144	110
DN25	126	144	100
DN32	161	164	120
DN40	162	164	120
DN50	193	182	125
DN65	220	200	165
DN70	256	251	180
DN80	256	251	180
DN100	350	370	230
DN125	350	370	230

规格	N	D1	H	Y	K
DN6	1.5	6	21	21	4
DN8	1.5	8	21	21	4
DN10	1.5	10	21	21	4
DN15	1.5	13	36	19	5
DN20	1.5	16	48	43.5	8
DN25	1.5	22	48	43.5	8
DN32	1.5	29	70	43.5	10
DN40	1.5	35	70	43.5	10
DN50	1.5	49	85	56.5	12
DN65	2	59	105	70.5	14
DN70	2	72	126	83.5	14
DN80	2	85	126	97	14
DN100	2	98	194	X8	14
DN125	3	125	194	X8	14



Max. working pressure	10kg(Diaphragm is EPR or fluoridized rubber.) 6kg (Diaphragm is PTFE.)
Max. working temperature	150°C(depending on working conditions)
diaphragm material	EPDM、PTFE
valve body material	Cast steel valve bodyGB/T1220 (00cr17ni14mo2)ASTM/A276 UNS(316LS31603)
Interface mode	See the form below for interface dimensions

U TYPEDIAPHRAGM VALVE

The U - shaped integrated diaphragm valve is used for sampling in pipelines and as a water - using point according to the production process, meeting GMP requirements. The valve is installed on a circular pipeline to ensure that there are no dead - ends at the water - using points. Imported PTFE material is used as the diaphragm sheet for the sealing material, which meets the cleanliness requirements. The valve is equipped with a limit device to ensure that the diaphragm will not be damaged by excessive force when the valve is closed. It is currently a widely used valve in biopharmaceutical factories.

规格	L	F	规格	L	F
Φ12.7X12.7	定制	定制	Φ32X25.4	163	149
Φ19X12.7	定制	定制	Φ38X25.4	181	164
Φ25.4X12.7	定制	定制	Φ50.8X25.4	246	193
Φ38X12.7	定制	定制	Φ32X32	188	172
Φ19X19	定制	定制	Φ38X32	207	210
Φ25.4X19	135	119	Φ50.8X32	265	214
Φ32X19	138	130	ΦX38X38	207	210
Φ38X19	156	142	Φ50.8X38	265	214
Φ50.8X19	183	183	Φ50.8X38	283	239
Φ63.5X19	195	195	Φ63X63	315	280
Φ25.4X25.4	160	142	Φ76X63	325	285



规格	L	F	规格	L	F
Φ12.7X12.7	定制	定制	Φ32X25.4	163	170
Φ19X12.7	定制	定制	Φ38X25.4	181	185
Φ25.4X12.7	定制	定制	Φ50.8X25.4	246	214
Φ38X12.7	定制	定制	Φ32X32	188	193
Φ19X19	定制	定制	Φ38X32	207	231
Φ25.4X19	135	140	Φ50.8X32	265	235
Φ32X19	138	151	ΦX38X38	207	231
Φ38X19	156	163	Φ50.8X38	265	235
Φ50.8X19	183	204	Φ50.8X38	283	260
Φ63.5X19	195	249	Φ63X63	315	300
Φ25.4X25.4	160	163	Φ76X63	325	310



SAMPLING TAIL VALVE OF DIAPHRAGM VALVE

The diaphragm valve with a sampling tail valve is assembled according to the production process requirements. It is used for sampling and sectional sterilization in the pipeline. The tail valve meets the 3D requirements in line with GMP. The valve uses imported PTFE material as the diaphragm, which meets the cleanliness requirements. The valve is equipped with a limit device to ensure that the diaphragm will not be damaged by excessive force when it is closed. Currently, this valve is widely used in biopharmaceutical factories.

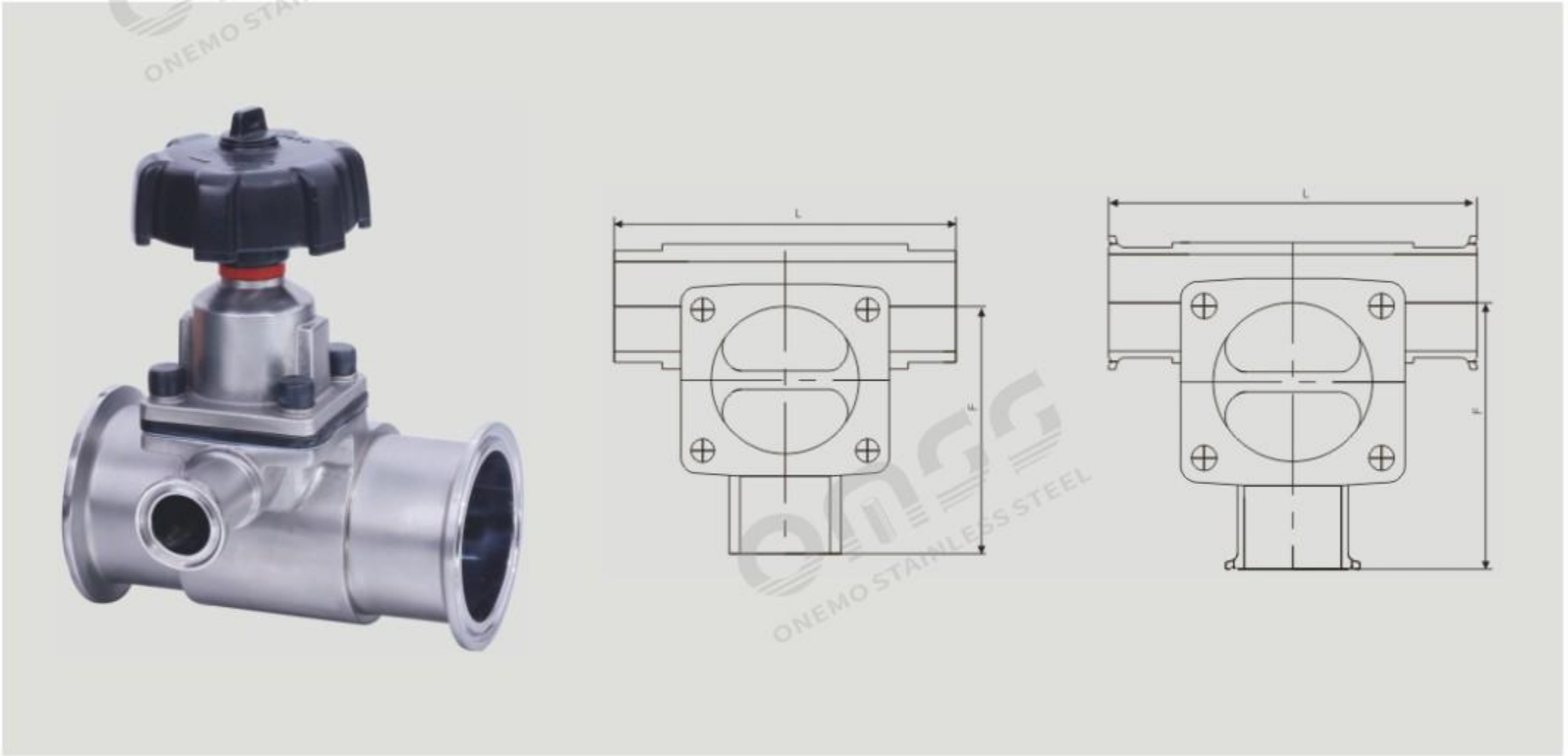


COMBINED DIAPHRAGM VALVE

The diaphragm valve is a diaphragm product with a wide range of applications. It is suitable for fluid control systems in fluid - related industries such as pharmaceuticals, biology, dairy products, beverages, chemicals, cosmetics, food, and electronics. It has many advantages, including no dead - ends in use, no leakage, easy cleaning, low maintenance cost, and easy operation. It can achieve both automatic and manual control, providing an excellent product for reducing the operating costs of enterprises. When installed at a 35 - degree angle, it can be emptied completely, has no leakage risk inside the valve, has high corrosion resistance, and allows materials with relatively high viscosity to pass through easily. It can replace ball valves and butterfly valves for products with high cleanliness requirements.

TEE DIAPHRAGM VALVE

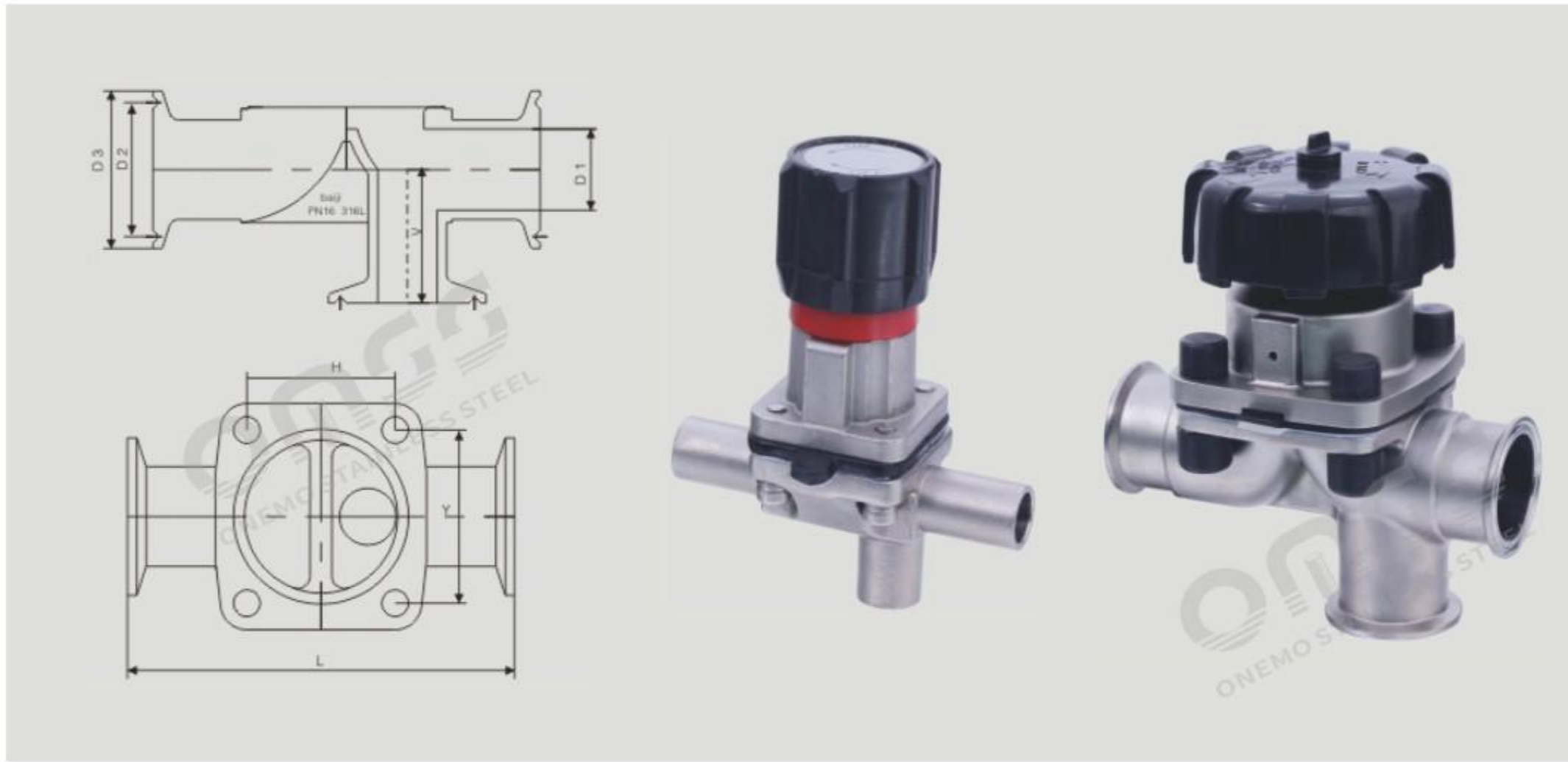
The T - shaped integrated diaphragm valve is used for sampling in pipelines and as a water - using point in accordance with the production process. It meets GMP requirements. When installed on a circular pipeline, it ensures that there are no dead - ends at the water - using points. The sealing material uses imported PTFE as the diaphragm, which meets the cleanliness requirements. The valve is equipped with a limit device to prevent the diaphragm from being damaged by excessive force when it is closed. Currently, this valve is widely used in biopharmaceutical factories.



规格	L	F	规格	L	F
Φ12.7X12.7	72	44	Φ32X25.4	128	91
Φ19X12.7	72	42	Φ38X25.4	128	97
Φ25.4X12.7	72	43	Φ50.8X25.4	135	91
Φ38X12.7	72	45	Φ32X32	134	114
Φ19X19	102	65	Φ38X32	134	111
Φ25.4X19	102	67.5	Φ50.8X32	134	112
Φ32X19	102	72	ΦX38X38	134	114
Φ38X19	102	75	Φ50.8X38	134	112
Φ50.8X19	102	81	Φ50.8X38	172	137
Φ63.5X19	102	86.5	Φ63X63	243	150
Φ25.4X25.4	128	91	Φ76X63	243	150

L-SHAPED DIAPHRAGM VALVE

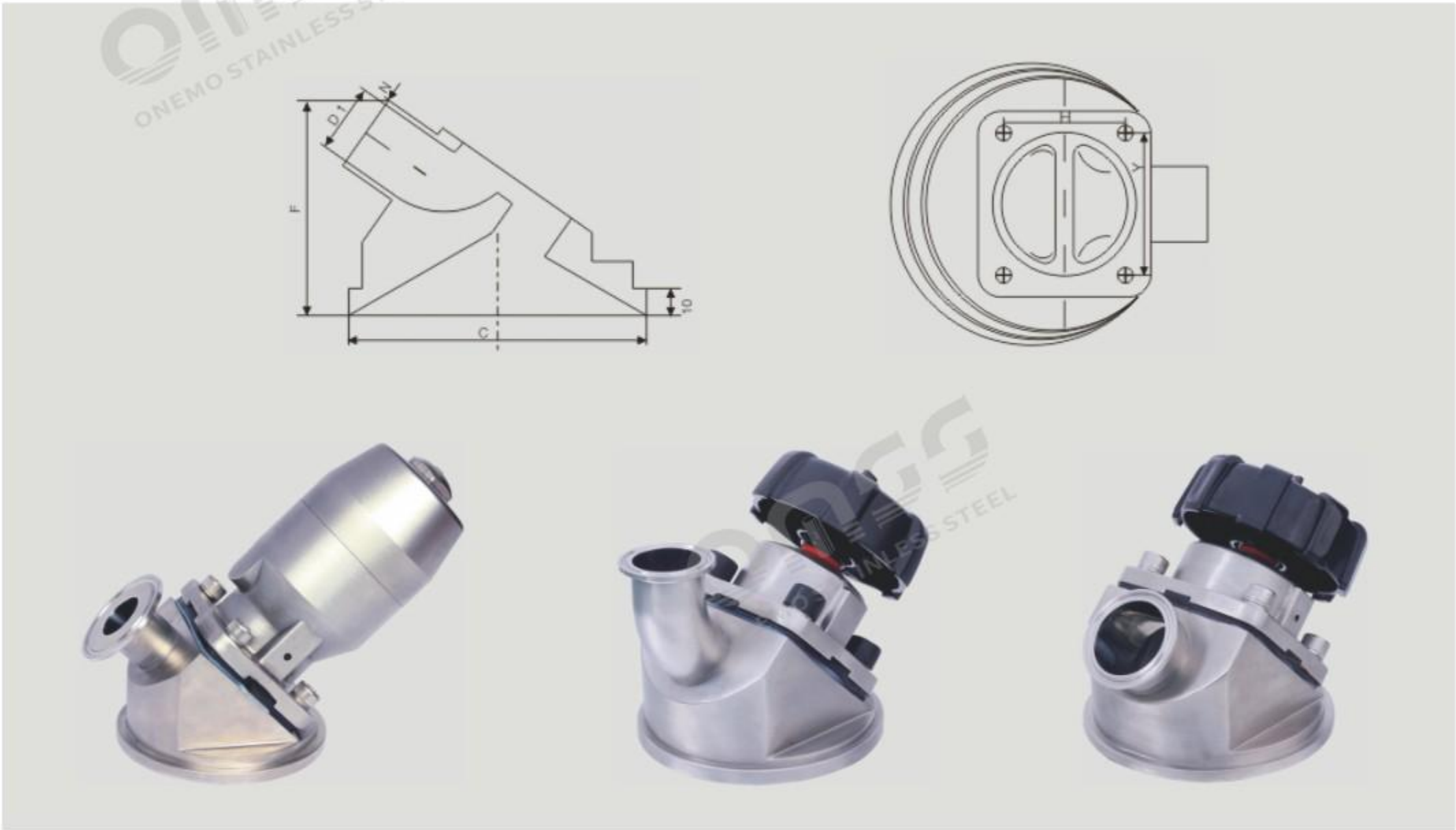
The L-shaped integrated diaphragm valve is used for converting pipe connections in the pipeline according to the production process and meets GMP requirements. The valve is installed and connected in accordance with the production process requirements to ensure that there are no dead corners for the liquid medicine. The sealing material uses imported PTFE material as the diaphragm, which meets the cleanliness requirements. The valve is equipped with a limit device to ensure that the diaphragm will not be damaged by excessive force when the valve is closed. At present, this valve is widely used in biopharmaceutical factories.



规格	L	Hx7	D1	V	D2	D3
DN6	72	21X21	6	41	19	25.2
DN8	72	21X21	8	41	19	25.2
DN10	72	21X21	10	41	19	25.2
DN15	106	36X32	13	61	19	25.2
DN20	125	48X55	16	72	43.5	50.5
DN25	126	48X55	22	72	43.5	50.5
DN32	161	70X64	29	92	43.5	50.5
DN40	162	70X64	35	92	43.5	50.5
DN50	193	85X75	49	112	56.5	64
DN65	220	105X91	59	138	70.5	77.5
DN70	256	126X114	72	190	83.5	91
DN80	256	126X114	85	190	97	106
DN100	350	Φ194X8	98	250	110	119
DN125	350	Φ194X8	125	250	146	155

ASEPTIC DIAPHRAGM TANK
BOTTOM VALVE

The bottom valve of the tank is applied to the discharge of ingredients in containers within industries such as biopharmaceuticals, food, and fine chemicals. When the agitator is turned on, the structure of this valve enables the materials at the bottom to be fully and evenly mixed with the water flow. The connections with the equipment are available in two types: welded and flanged. With a 45 - degree discharge for installation and use, the materials in the container can be completely discharged, meeting GMP requirements. It is a hygienic and clean valve for pipelines.



规格	C	F	D1	N	D2	D3
DN15	70	40	13	1.5	19	25.2
DN20	105	64	16	1.5	43.5	50.5
DN25	105	64	22	1.5	43.5	50.5
DN32	140	85	29	1.5	43.5	50.5
DN40	140	85	35	1.5	43.5	50.5
DN50	160	94	49	1.5	56.5	64
DN65	200	110	59	2	70.5	77.5
DN70	238	120	72	2	83.5	91
DN80	238	120	85	2	97	106

MULTI-CHANNEL DIAPHRAGM VALVE

The forging diaphragm valve is forged from 316L integral material and formed by CNC machining center. It can be made into diaphragm valves of various sizes and shapes. The forging diaphragm valve products are applicable to high-temperature biopharmaceutical production, ensuring product safety. This valve is a diaphragm valve that must be used by pharmaceutical enterprises when producing high-value-added products.



ASEPTIC FLANGE

As a hygienic connection for the embedded pipelines of tank containers, the aseptic flange features minimized connection points, easy cleaning, and convenient disassembly and assembly. It is currently a standard configuration for biopharmaceutical containers. It is applied to the connection of nozzles on storage tanks and container equipment in the pharmaceutical and biological fields.



Material: forged 304 316L
Working pressure: 0.45 Mpa
Temperature:150°C

规格	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65
卡盘：	25.2	25.2	50.5	50.5	50.5	50.5	64	77
焊接盘：	50	50	85	85	85	85	100	120

FORGED DIAPHRAGM VALVE

The forged diaphragm valve is forged from a whole piece of 316L material and then shaped by a CNC machining center. It can be manufactured into diaphragm valves of various sizes and special shapes. The forged diaphragm valve products are suitable for high - temperature biopharmaceutical production, ensuring product safety. This type of valve is a must - use diaphragm valve for pharmaceutical companies when they produce high - value - added products.

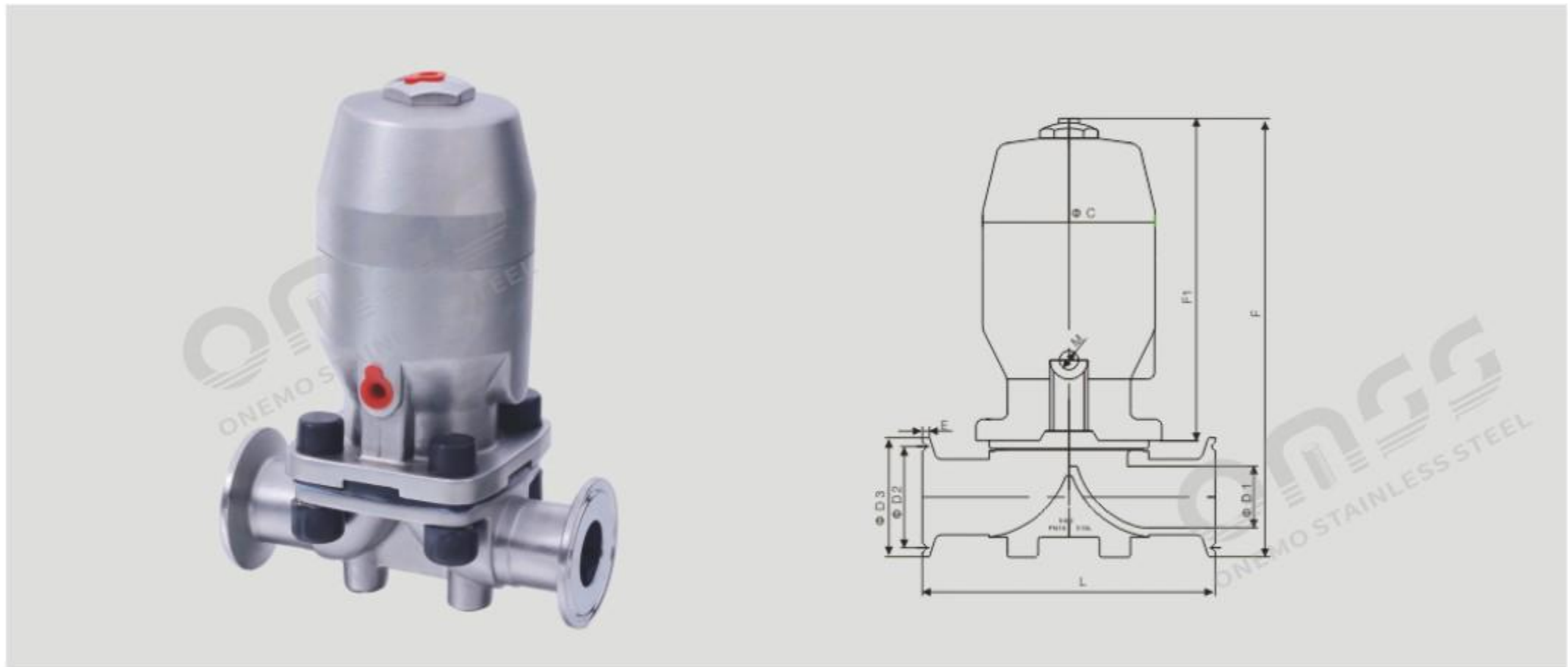


Max. working pressure	10kg(Diaphragm is EPDM or fluoridized rubber.) 6kg (Diaphragm is PTFE.)
Max. working temperature	150°C(depending on working conditions)
diaphragm material	EPDM、PTFE
valve body material	Cast steel valve bodyGB/T1220 (00cr17ni14mo2)ASTM/A276 UNS(316LS31603)
Interface mode	See the form below for interface dimensions

规格	L	F	规格	L	F
Φ12.7X12.7	72	44	Φ32X25.4	128	91
Φ19X12.7	72	42	Φ38X25.4	128	97
Φ25.4X12.7	72	43	Φ50.8X25.4	135	91
Φ38X12.7	72	45	Φ32X32	134	114
Φ19X19	102	65	Φ38X32	134	111
Φ25.4X19	102	67.5	Φ50.8X32	134	112
Φ32X19	102	72	ΦX38X38	134	114
Φ38X19	102	75	Φ50.8X38	134	112
Φ50.8X19	102	81	Φ50.8X38	172	137
Φ63.5X19	102	86.5	Φ63X63	243	150
Φ25.4X25.4	128	91	Φ76X63	243	150

PNEUMATIC DIAPHRAGM VALVE

The diaphragm valve is a diaphragm product with a wide range of applications. It is suitable for fluid control systems in fluid - related industries such as pharmaceuticals, biology, dairy products, beverages, chemicals, cosmetics, food, and electronics. It has numerous advantages, including no dead - ends in use, no leakage, easy cleaning, low maintenance costs, and ease of operation. It can be controlled both automatically and manually, providing an excellent product for reducing the operating costs of enterprises. When installed at a 35 - degree angle, it can be emptied completely, with no risk of leakage inside the valve, high corrosion resistance, and it allows materials with relatively high viscosity to pass through easily. It can replace ball valves and butterfly valves for products with high cleanliness requirements.

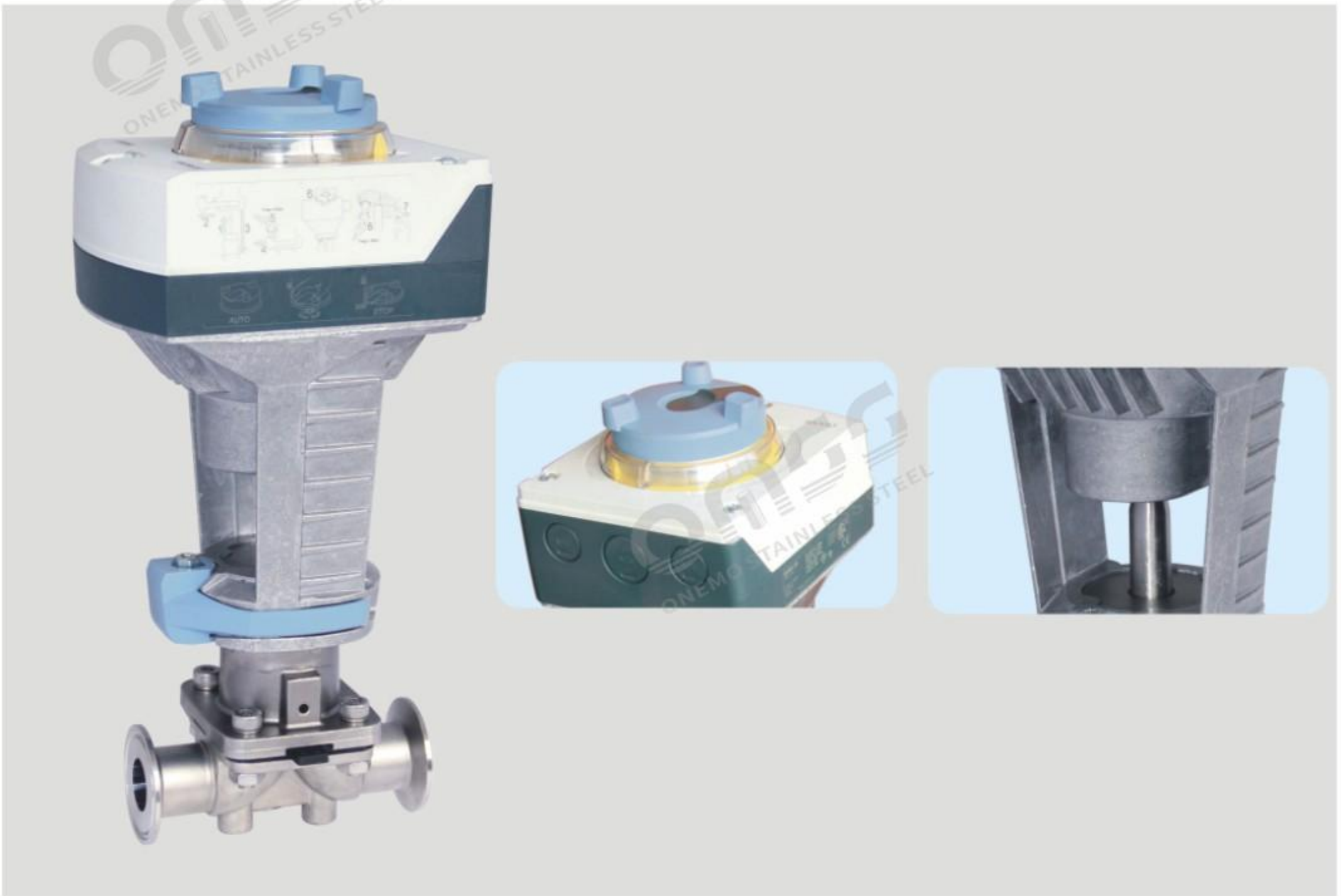


规格	L	F	F1	D1	C	D2	D3
DN6	72	98	75	6	41	19	25.2
DN8	72	98	75	8	41	19	25.2
DN10	72	98	75	10	41	19	25.2
DN15	106	140	140	13	61	19	25.2
DN20	125	174	174	16	72	43.5	50.5
DN25	126	174	174	22	72	43.5	50.5
DN32	161	224	224	29	92	43.5	50.5
DN40	162	224	224	35	92	43.5	50.5
DN50	193	254	254	49	112	56.5	64
DN65	220	278	278	59	138	70.5	77.5
DN70	256	380	380	72	190	83.5	91
DN80	256	395	395	85	190	97	106
DN100	350	450	450	98	250	110	119
DN125	350	460	460	125	250	146	155

ELECTRIC CLEAN DIAPHRAGM VALVE



Application: The electric clean diaphragm valve is applied in industries such as biopharmaceuticals, filling equipment, and flow control. The electric clean diaphragm valve can automatically adjust its stroke according to the control signal, precisely controlling the flow rate, making it an ideal choice for intelligent valves.



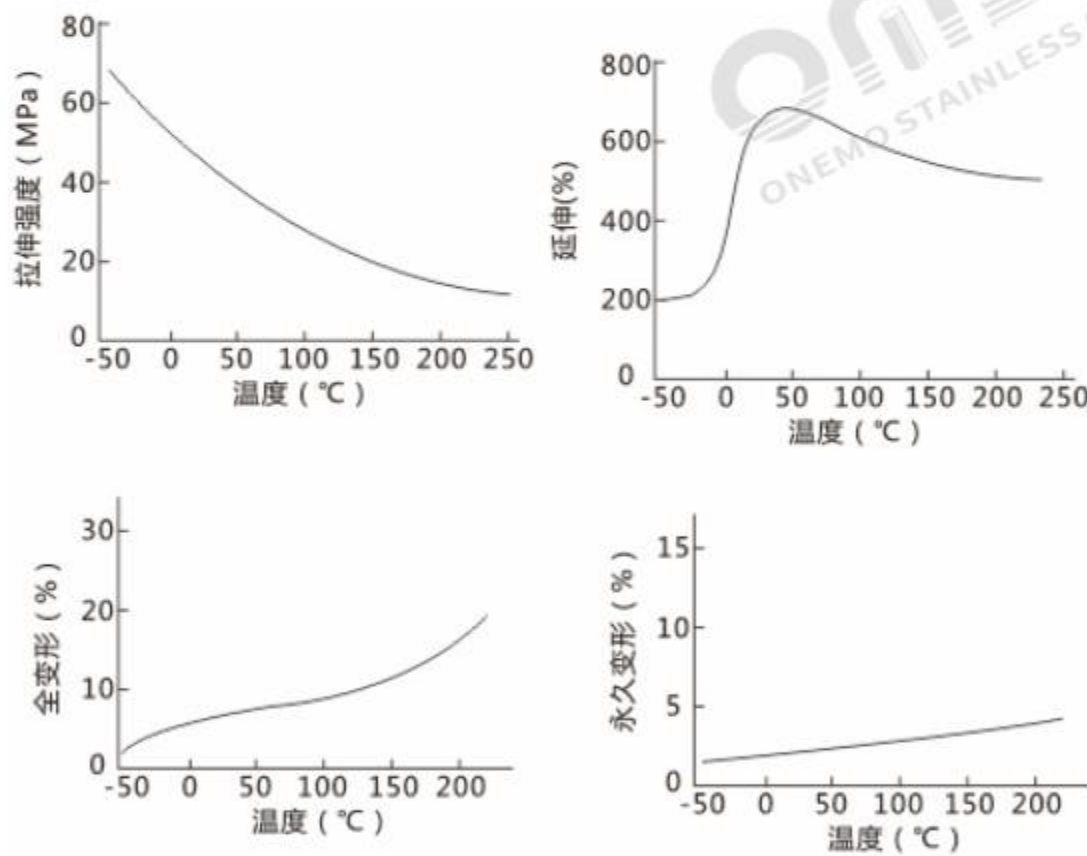
- Electric actuator SAX61
- Stroke: 20 mm
- Operating voltage: AC/DC 24V, control signal: DC 0...10V, 4...20mA
- Valve position feedback, priority control, optional flow characteristics
- Can be directly installed without adjustment
- Equipped with manual adjuster, position indicator and LED status display
- Optional accessories include auxiliary switch, potentiometer, function module, valve stem heating element, etc.

DIAPHRAGM SHEET

The polymer material is made of modified ethylene propylene diene monomer (EPDM) rubber, bonded with high - strength woven material to ensure maximum strength and durability. The latest vulcanization technology is used, which extends the service life and enhances reliability.

- 1. Excellent creep and pressure resistance
- 2. Excellent thermo - mechanical properties
- 3. Excellent bending life
- 4. Tightly structured with no air holes
- 5. Smooth surface without residue
- 6. Outstanding service life

The PTFE (+ EPDM support sheet) double - layer diaphragm is a high - standard diaphragm form used on sanitary diaphragm valves internationally. It is the most reliable product for production processes that require frequent SIP sterilization. It is widely used in fields such as blood products, vaccines, biopharmaceuticals, aseptic production of large/small volume injections, fermentation, supply and distribution loops of water for injection, etc.



Executive standard:FDA21CFR177.2600
Working temperature:-120°C~150°C
Working pressure:Max.0.6Mpa
Designed lifetime:>300,000次times/25°C
Diaphragm material:newtype:PTFE
Diaphragm specification :DN8-DN125

The EPDM support sheet paired with the double - layer diaphragm not only serves to protect the PTFE sheet in contact with the product, but also enhances the sealing effect of the PTFE sheet. When the PTFE diaphragm is used together with the EPDM support sheet, both its reliability and service life reach an optimal level.

DIAPHRAGM SHEET



DIAPHRAGM SIZE TABLE

	规格	H × Y	H 1 × Y 1	M	K
	DN6	21 × 21	35 × 35	9.5	5
	DN8	21 × 21	35 × 35	9.5	5
	DN10	21 × 21	35 × 35	9.5	5
	DN15	36 × 32	51 × 48	M4	6
	DN20	48 × 55	74 × 68	M6	9
	DN25	48 × 55	74 × 68	M 6	9
	DN32	70 × 64	102 × 90	M6	11
	DN40	70 × 64	102 × 90	M6	11
	DN50	85 × 75	112 × 105	M6	13
	DN65	105 × 91	134 × 126	M8	15
	DN70	126 × 114	185 × 156	M8	1 5
	DN80	126 × 114	185 × 156	M8	15
	DN100	194 × 8	135	M8	15
	DN125	194 × 8	135	M8	15

ONLINE CLEANING
SANITARY SAMPLING VALVE

Usage:
It is mainly applied to liquid sampling in the following fields:

- 1. Pharmaceutical industry and biotechnology.
- 2. Brewing or beverage industry.
- 3. Dairy food industry.
- 4. Wine industry.
- 5. Others.

Close valve(sterilization)
sterilization:
Connect the steam hose to the upper connecting pipe of the valve.

Open the steam source and let the steam flow through the valve for sterilization. Maintain at 121°C (2 bar) for 1 minute.

Close the steam source.

Remove the steam hose and install a sterile rubber stopper or sterile steel stopper onto the upper connecting pipe.

Open the valve (for sampling)

- Sampling:
- 1. Open the valve and take samples.
 - 2. Close the valve after sampling.
 - 3. Clean the valve with steam. Refer to "Sterilization".

Dimension of rotary type installation

DN	L1	C1	E1	F	D
6	50.5	45	87	25.2	6
8	50.5	45	87	25.2	8

Dimension of stretching type installation

DN	L2	E2	S	D
6	50.5	85	1	6
8	50.5	85	1	8

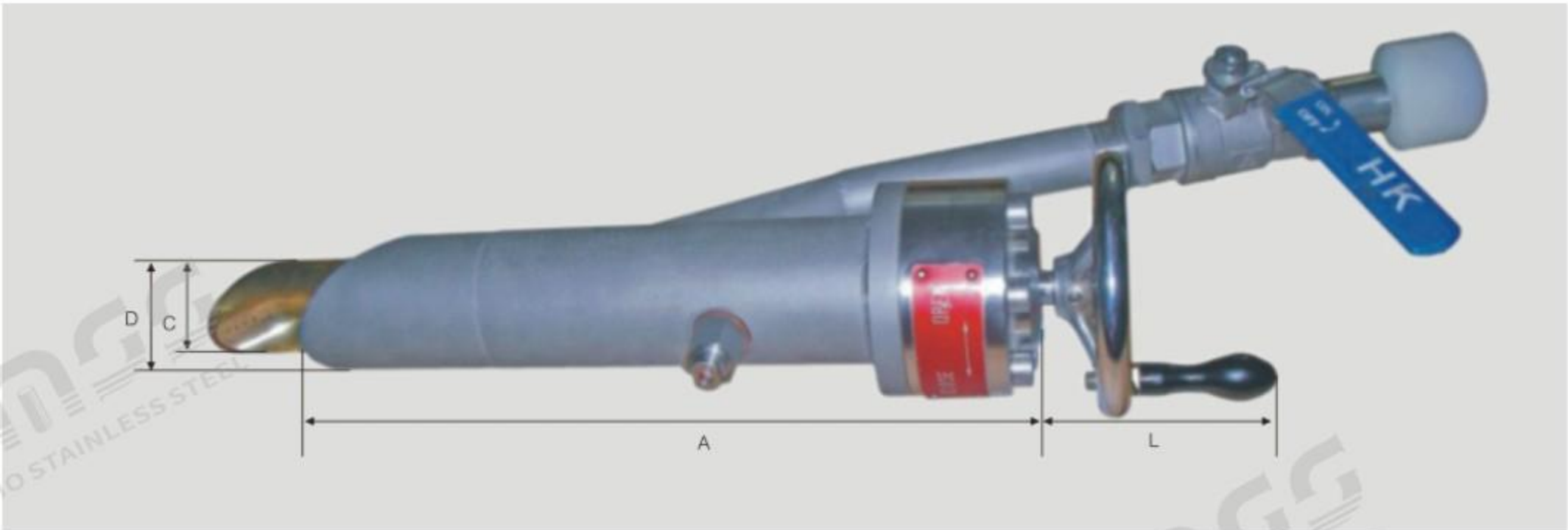
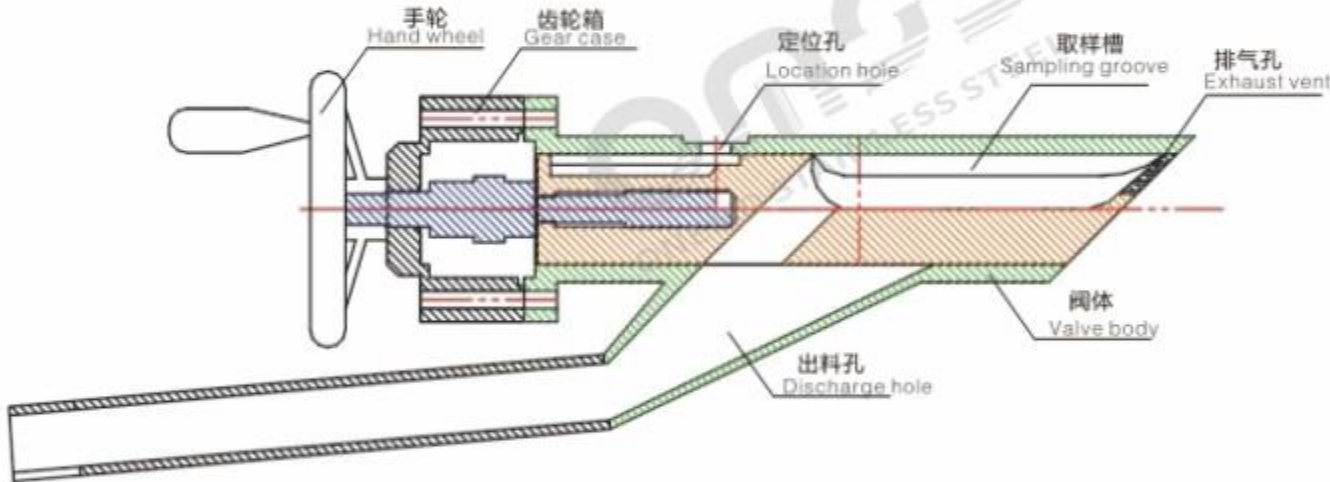


SOLID SAMPLING VALVE



The all - stainless - steel sampling valve can sample solid materials with particles sized from 1 to 6 mm. When producing solid materials, sampling usually has to be carried out by exposing to the outside environment. To solve this problem, our company has specially developed this solid sampling valve. It helps manufacturing enterprises avoid cross - contamination during the sampling process. The solid sampling valve is easy to operate, reasonably structured, and the sampling process is in a closed state. It is an excellent alternative to imported products and has been widely promoted and applied by various customers.

Max. working pressure	6(kg)
Max. working temperature	60-100°C Depending on working conditions
sealing material	EPDM
valve body material	Valve body GB/T12220(00Cr17Ni14Mo2) ASTM/A276UNS(316L S31603)
Interface mode	Welding,flange
structural form	Double sealing structure. without dead angles

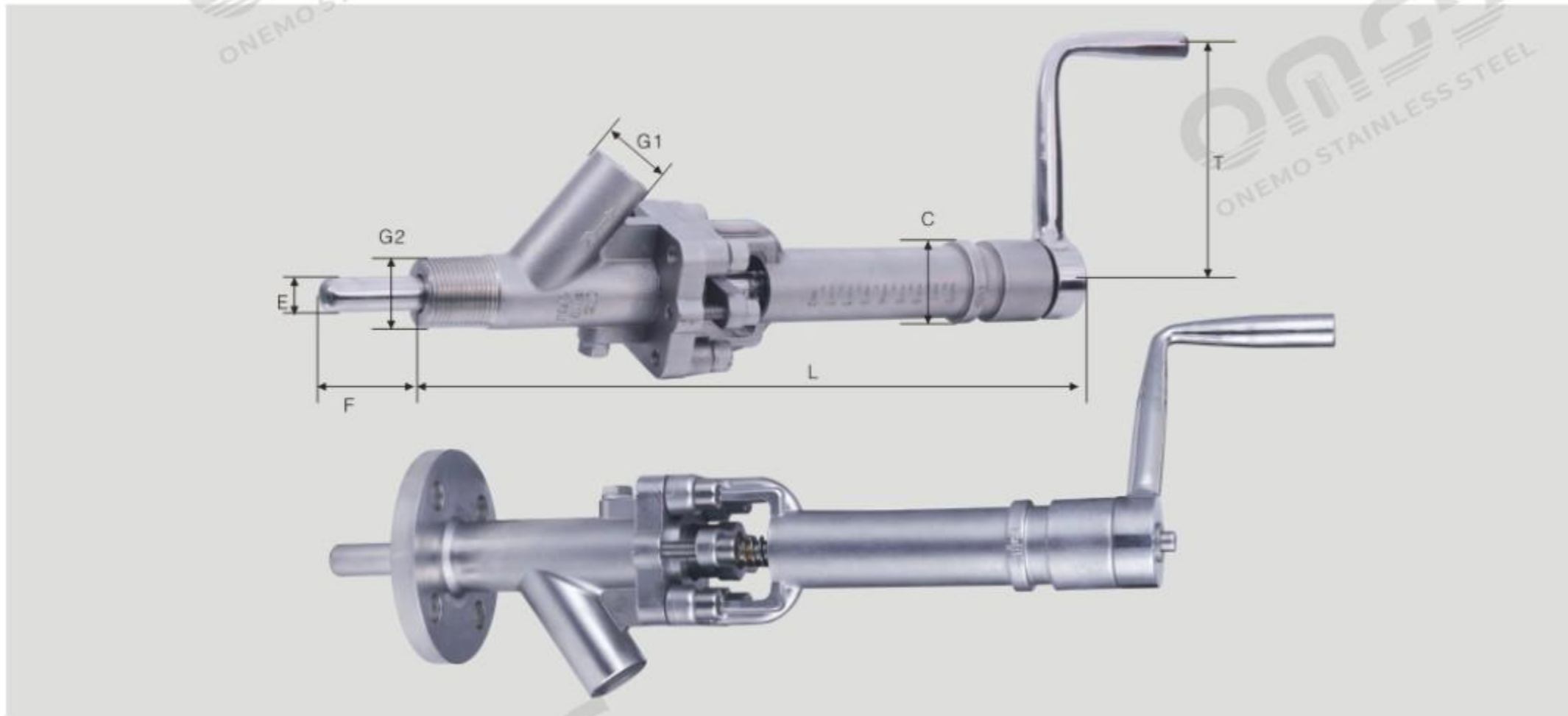


Installation dimensions (mm)					Remarks
DN	L	A	C	D	
32	100	360	50	66	Non - standard products can be customized.

THE SAMPLING VALVE

The piston sampling valve is especially suitable for sampling valves of crystallization reactors. It is specially designed for chemical enterprises to check whether the materials meet the requirements during production. The maximum sealing temperature of the piston sampling valve can reach 230°C and 550°C. The exposed length of the piston can be designed according to the installation requirements to ensure that materials with high viscosity at the sampling port of the container will not be blocked. It is an ideal sampling device. The materials can be 304 or 316L, and its performance and appearance can completely compete with foreign products.

Max. working pressure	16PN
Max. working temperature	230-550°C Depending on working conditions
sealing material	PEFE, Graphite
valve body material	Cast steel valve body GB/T1220(00cr17ni14mo2) ASTM/A276 UNS(316LS31603)
Interface mode	Screw type, flange type
structural form	Double sealing structure, without dead angle



DN	L	C	E	F	G1	G2	T
15	350	42	16	80	3/4	3/4	110
20	350	42	16	80	3/4	1/2	110
25	350	42	16	80	3/4	1	110

TITANIUM ROD FILTER



The microporous titanium rod filter has filter elements sintered from titanium alloy powder. The filtration accuracy ranges from 0.5μm - 50μm, the working temperature is ≤230°C, and the working pressure is 0.4mpa. The product features corrosion resistance, high strength, no shedding of micro - columns, and no adsorption of the main drug components. It is mainly used for liquid medicine decarbonization filtration and gas filtration. It can replace the commonly used sand rod filters in large - volume infusion production, and all technical indicators meet the requirements of the pharmacopoeia and GMP.

MICROPOROUS MEMBRANE FILTER



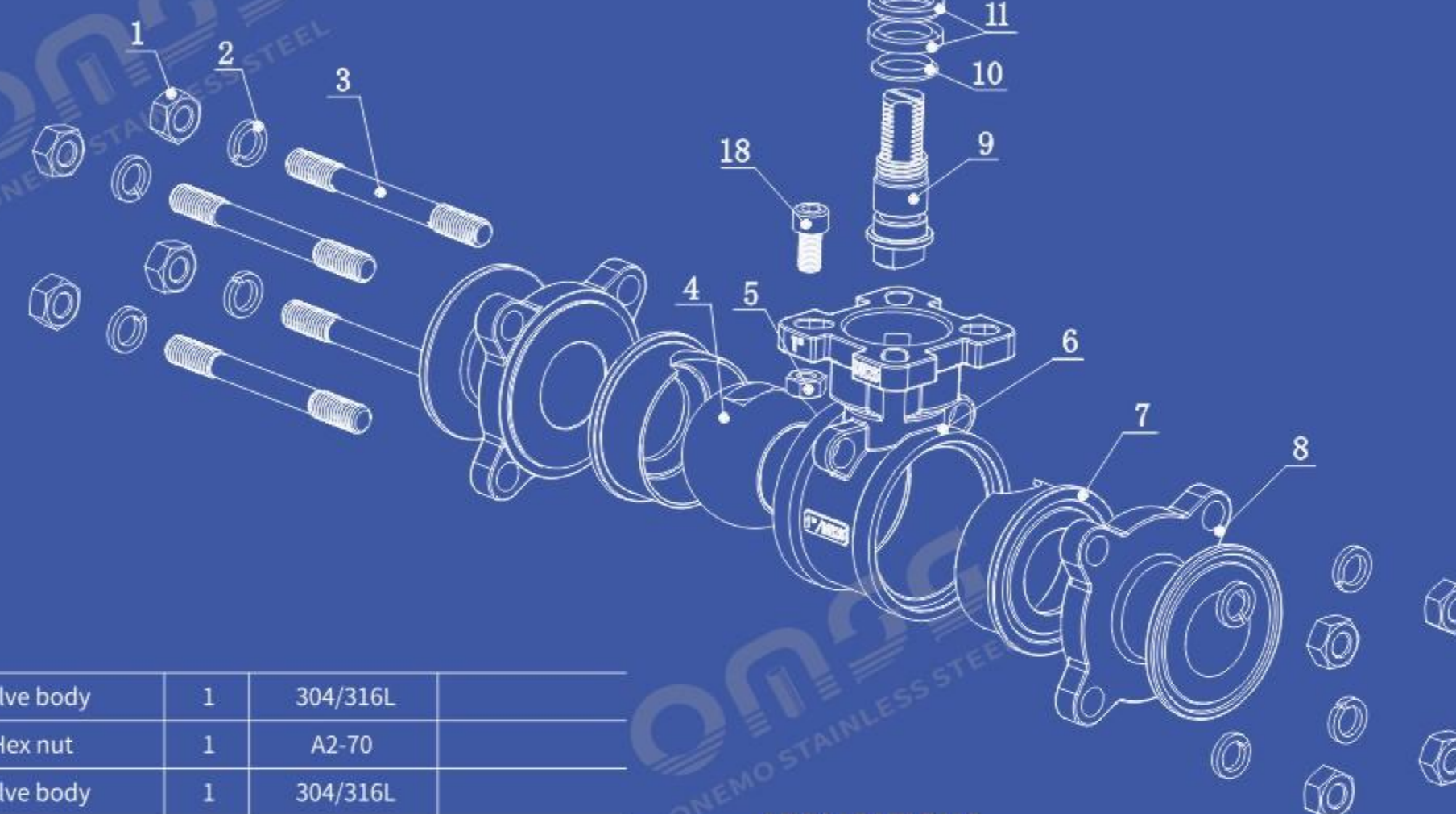
The microporous membrane filter adopts a folded filter element (imported filter elements can be equipped), with a standard 226 - type interface. The accuracy can be selected according to the process. The filter is reasonably designed and convenient to use. The surface polishing accuracy reaches the clean level of 0.45UM. All welds are single - side welded with double - side forming, ensuring no dead - ends on the inner surface. The material is 316L or 304. It is an ideal filtration product for industries such as biopharmaceuticals, water treatment, fine chemicals, and electronics.

SANITARY BALL VALVE



THREE-PIECES NON-RETENTION BALL VALVE

NO	SPARE NAME	QTY	MATERIAL	NOTE
1	Hex nut	8	A2-70	2.5"以上12个 12 pcs for valve size above 2.5"
2	Elastic ring	8	A2-70	2.5"以上12个 12 pcs for valve size above 2.5"
3	Bolt	4	A2-70	2.5"以上12个 12 pcs for valve size above 2.5"



4	Valve body	1	304/316L	
5	Hex nut	1	A2-70	
6	Valve body	1	304/316L	
7	Seat	2	PTFE	
8	Valve cap	2	304/316L	
9	Valve body	1	304/316L	
10	Washer gasket	1	PTFE	
11	V-seal components	2	PTFE	
12	Gasket	1	PTFE	
13	Spring gasket	2	A2-70	
14	Hex nut	2	A2-70	
15	Spring washer	1	A2-70	
16	Gasket	1	A2-70	
17	Pull handle	1	304	
18	Hex nut	1	A2-70	

TECHNICAL DATA

- Maximum product pressure: 1600kpa (16bar)
- Minimum product pressure: full vacuum
- Recommended maximum pressure during braking: 600kpa (6bar)
- Operating modes: manual, pneumatic, electric
- Maximum sterilization temperature, short time: + 200 °C

APPLICATIONS

- Widely used in food, wine, beverages, dairy products, fine chemicals, pharmaceuticals and health Materials engineering and many other industries.

OPERATING PRINCIPLES

- Driven by the actuator stem 90° rotation, drive the precise manufacturing ball body which with through cavity, turn on or off, so that can control the medium flow.

TECHNICAL STANDARDS

- Request non-retention
- Designed and manufactured according to GB/T12237-2007 standard requirements
- Length of the structure according to GB/T12221-2005 standard requirements
- Connection clamp, welding by DIN, ISO
- Temperature and pressure level according to GB/T 12224-2005 standard requirements
- Inspection and test according to GB/T 26480 standard requirements

MATERIALS

- Product wetted steel parts: 304/316L
- Other steel parts: 304
- Flow components of surface roughness: Ra ≤0.4um
- Surface treatment: Electrolytic
- Pneumatic head outer surface roughness: matt
- Wetted seals: PTFE, EPDM
- Other Seals: PTFE, NBR

SANITARY 3-WAY BALL VALVE



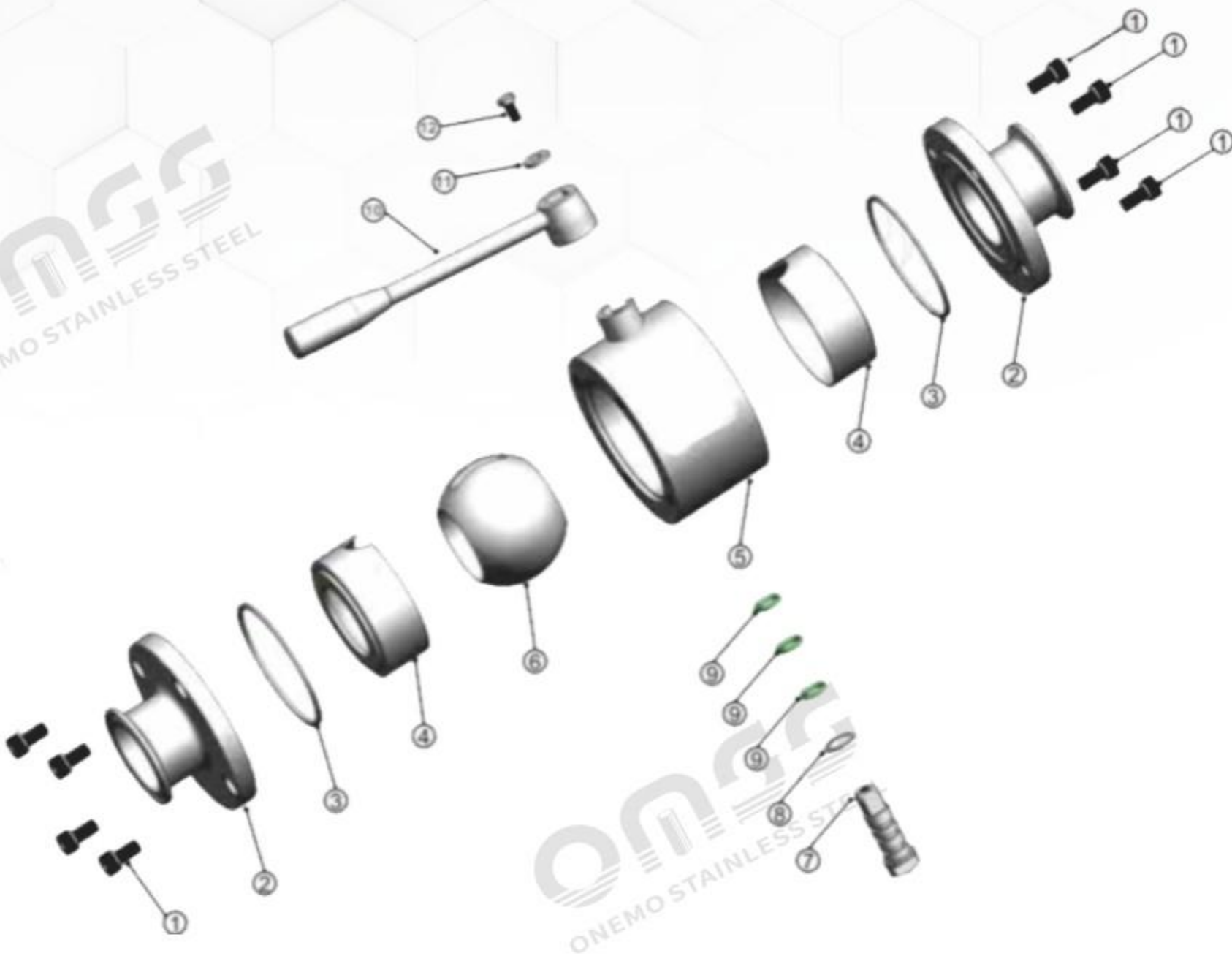
L-ball



T-ball

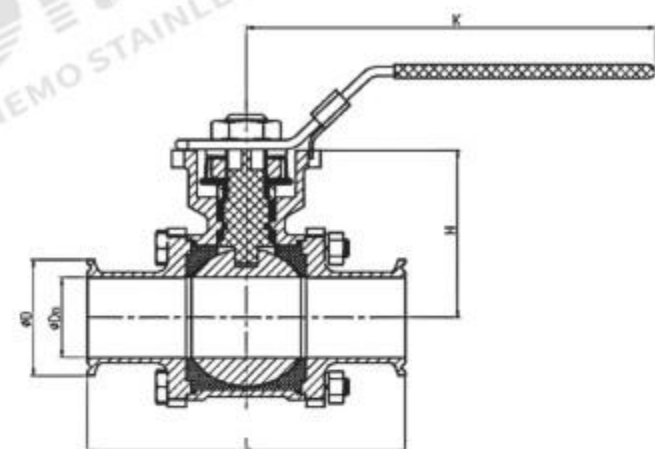
Item	Description	Material
1	Side End Cap(2)	SS304/SS316L
2	Body Seal(2)	SILICONE/EPDM/ITON®
3	Side Seat(2)	PTFE
4	Body	SS304/SS316L
5	Ball	SS304/SS316L
6	Front Seat	PTFE
7	Front Seat	SILICONE/EPDM/ITON®
8	Front End Cap	SS304/SS316L
9	Stem Seats(3)	PTFE
10	Gland Ring	SS304
11	Handle	SS304
12	Lock Nut	SS304

SANITARY ENCAPSULATED BALL VALVE



Item	Description	Material
1	Bolts(4)	SS304
2	Flange Parts(2)	CF8M/316L
3	Body Seal(2)	PTFE
4	Seats(2)	PTFE
5	Body	SS316L
6	Ball	SS316L
7	STEM	SS316L
8	Stem Seat	PTFE
9	Stem Seal(3)	VITON®
10	Handle	SS304
11	Gland Ring	SS304
12	Locking bolt	SS304



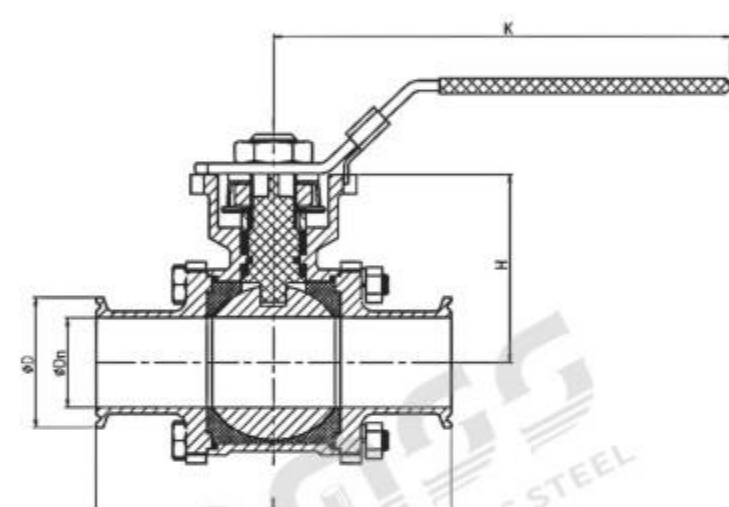
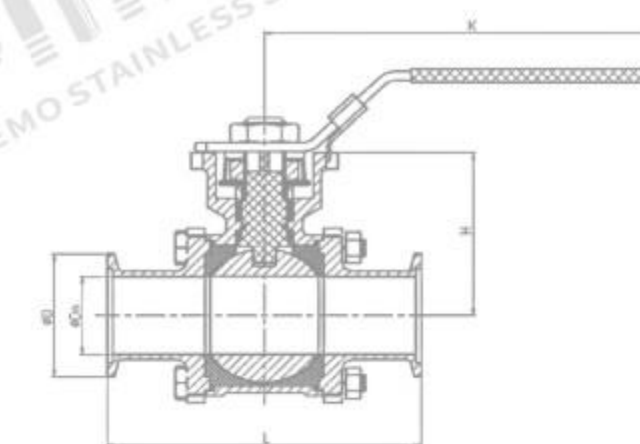


Clamped Three-pieces ball valve

Size	D	Dn	L	K	H
1/2"	25.4	9.4	89	130	38
3/4"	25.4	15.8	101	130	42.5
1"	50.5	22.1	114	165	52.5
1 1/4"	50.5	28.5	122	165	58.5
1 1/2"	50.5	34.8	140	215	73
2"	64	47.5	156	215	78.5
2 1/2"	77.5	60	197	215	95
3"	91	72.9	229	320	110.5
4"	119	97.6	242	320	122.5

Vacuum Three-pieces ball valve

Size	D	Dn	D1	L	K	H
KF-16	30	15.8	17.2	101	130	42.5
KF-25	40	22.1	26.2	114	165	52.5
KF-40	55	34.8	41.2	140	215	73
KF-50	70	47.5	52.2	156	215	78.5

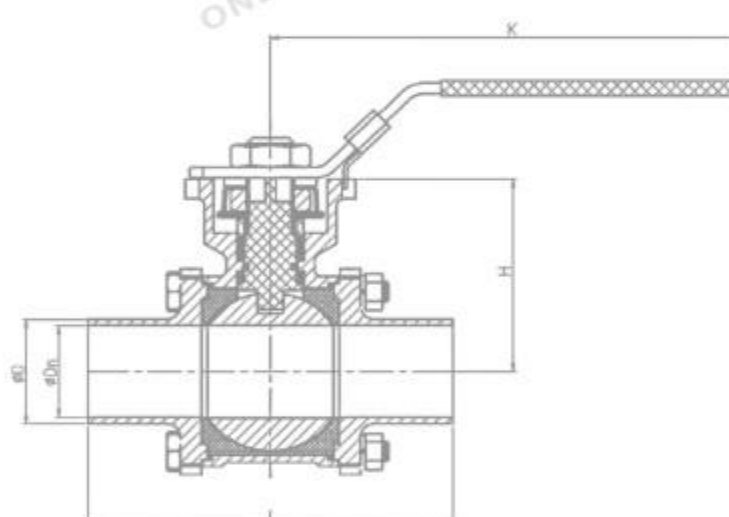
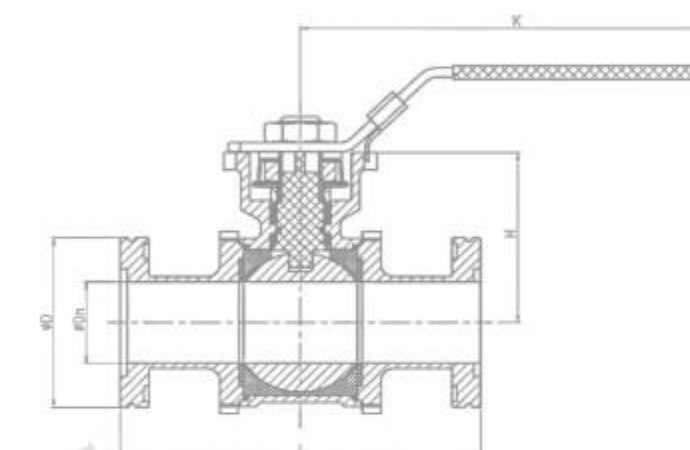


Clamped Three-pieces ball valve

Size	D	Dn	L	K	H
DN10	34	10	89	130	38
DN15	34	15	101	130	42.5
DN20	34	19	114	165	52.5
DN25	50.5	25	122	165	58.5
DN40	50.5	38	140	215	73
DN50	64	49	156	215	78.5
DN65	91	66	197	215	95
DN80	106	81	229	320	110.5
DN100	119	100	242	320	122.5

Vacuum flange Three-pieces ball valve

Size	D	Dn	L	K	H
2 1/2"	95	60	197	215	95
3"	110	72.9	229	320	110.5
4"	130	97.6	242	320	122.5

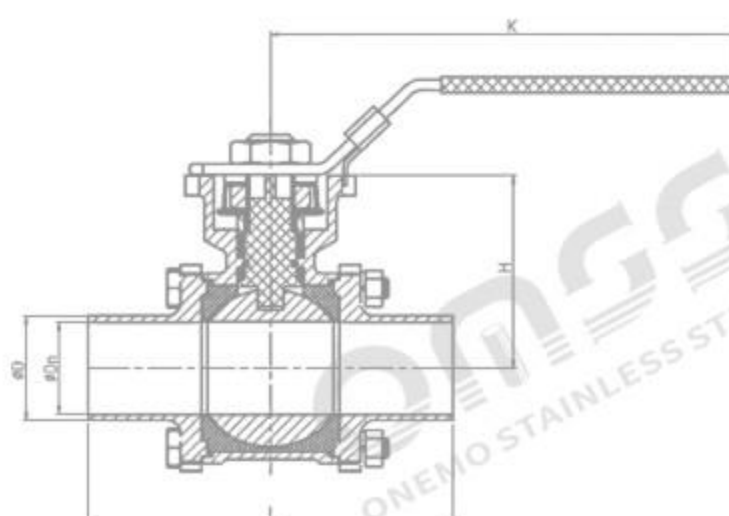
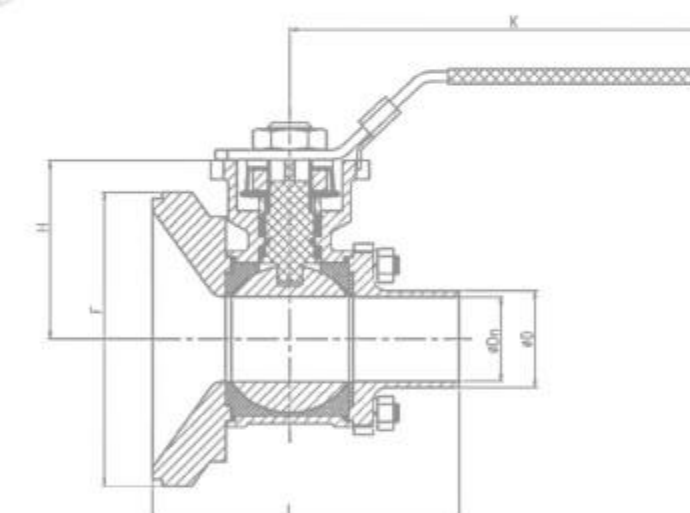


Welded Three-pieces ball valve

Size	D	Dn	L	K	H
1/2"	12.7	9.4	89	130	38
3/4"	19.1	15.8	101	130	42.5
1"	25.4	22.1	114	165	52.5
1 1/4"	31.8	28.5	122	165	58.5
1 1/2"	38.1	34.8	140	215	73
2"	50.8	47.5	156	215	78.5
2 1/2"	63.5	60	197	215	95
3"	76.2	72.9	229	320	110.5
4"	101.6	97.6	242	320	122.5

Welded Three-pieces tank bottom ball valve

Size	D	Dn	L	K	H	F
1"	25.4	22.1	106	165	52.5	120
1 1/2"	38.1	34.8	125	215	73	120
2"	50.8	47.5	140	215	78.5	150
2 1/2"	63.5	60	155	215	95	180
3"	76.2	72.9	176	320	110.5	212
4"	101.6	97.6	210	320	122.5	248

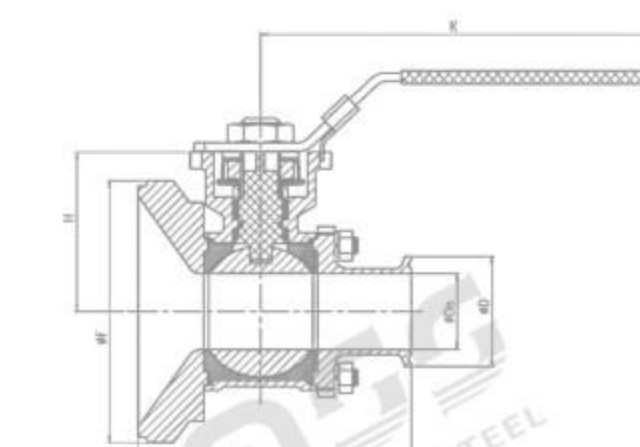


Welded Three-pieces ball valve

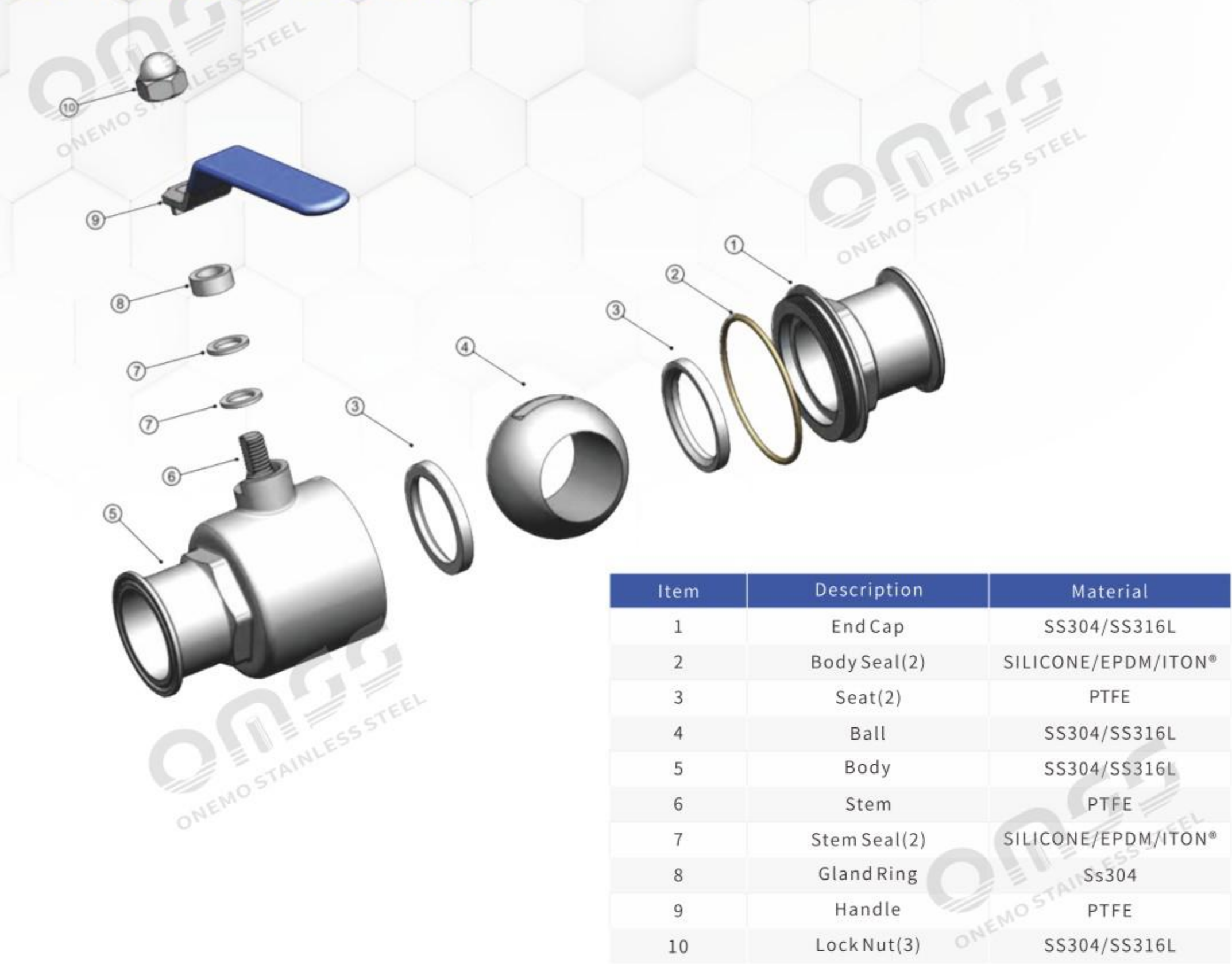
Size	D	Dn	L	K	H
DN10	13	10	89	130	38
DN15	18	15	101	130	42.5
DN20	22	19	114	165	52.5
DN25	28	25	122	165	58.5
DN40	41	38	140	215	73
DN50	52	49	156	215	78.5
DN65	70	66	197	215	95
DN80	85	81	229	320	110.5
DN100	104	100	242	320	122.5

Clamped Three-pieces tank bottom ball valve

Size	D	Dn	L	K	H	F
1"	50.5	22.1	106	165	52.5	120
1 1/2"	50.5	34.8	125	215	73	120
2"	64	47.5	140	215	78.5	150
2 1/2"	77.5	60	155	215	95	180
3"	91	72.9	176	320	110.5	212
4"	119	97.6	210	320	122.5	248



NEW STRAIGHT
NON-RETENTION BALL VALVE



APPLICATIONS

- This series sanitary ball valve can be used in material transmitting, widely used in fields such as food processing, pharmacy and chemistry etc...
- The full bore design to let luqid pass through without any resistance,the best choice to process the fluid contains viscosity or particles.

OPERATING PRINCIPLES

- A high precision full bore ball fits between flange and PTFE seat, rotate the valve axis 90° to act on the ball to open/close valve.

MATERIALS

- Body material: 304/316L
- Other SS parts: 304
- OD/ID roughness: Ra≤0.4um
- Seal: PTFE,EPDM
- Other seals: PTFE,NBR

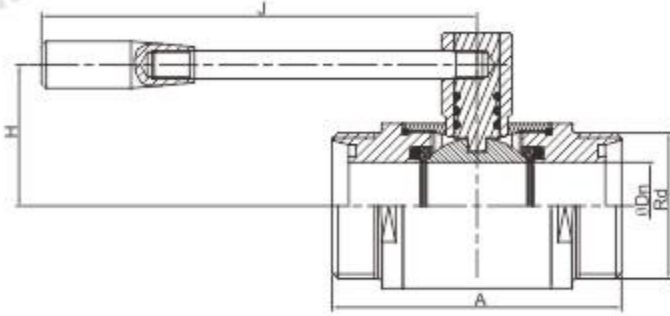
TECHNICAL STANDARDS

- This full bore valve diameter in line with pipeline so keep equal resistance . The fine selected PTFE seal could guarantee long service life to the parts contact with medium.
- Sanitary 2-ways ball valve: three pices structure, one body two decks two seats, ball body, stem and one handle(or pneumatic components). Also can add a drain outlet.
- Sanitary 3-ways ball valve: L or T structure, one body three decks three seats, ball body, stem and one handle(or pneumatic components). Also can add a drain outlet.



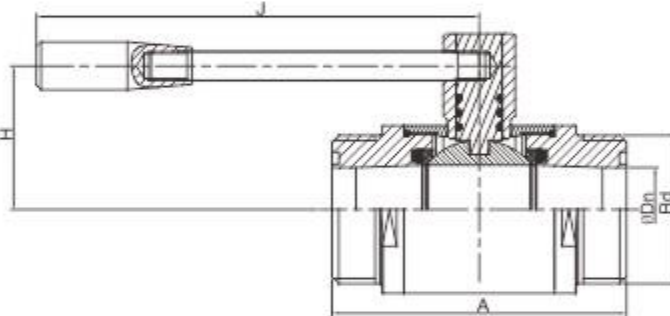
DIN Straight Threaded Ball Valve

Size	Rd	Dn	A	H	J
DN10	Rd28×1/8"	10	76	43.5	103
DN15	Rd34×1/8"	15	76	47.5	103
DN20	Rd44×1/6"	19	76	47.5	103
DN25	Rd52×1/6"	25	100	57	127
DN32	Rd58×1/6"	31	108	59	127
DN40	Rd65×1/6"	38	115	64.5	127
DN50	Rd78×1/6"	49	134	86	154
DN65	Rd95×1/6"	66	155	98	170
DN80	Rd110×1/4"	81	168	127	257
DN100	Rd130×1/4"	100	222	146	257



SMS Straight Threaded Ball Valve

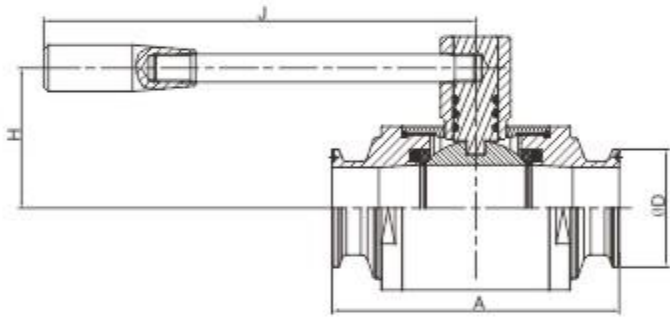
Size	Rd	Dn	A	H	J
1/2"	Rd36×1/8"	9.4	76	43.5	103
3/4"	Rd36×1/8"	15.8	76	47.5	103
1"	Rd40×1/6"	22.1	100	57	127
1 1/4"	Rd48×1/6"	28.8	108	59	127
1 1/2"	Rd60×1/6"	34.8	115	64.5	127
2"	Rd70×1/6"	47.5	134	86	154
2 1/2"	Rd85×1/6"	60	155	98	170
3"	Rd98×1/6"	72.9	168	127	257
4"	Rd125×1/4"	97.6	222	146	257



ISO/IDF/SMS/3A/DS Straight Clamped Ball Valve

Size	D	A	H	J
1/2"	25.4	76	43.5	103
3/4"	25.4	76	47.5	103
1"	50.5	100	57	127
1 1/4"	50.5	108	59	127
1 1/2"	50.5	115	64.5	127
2"	64	134	86	154
2 1/2"	77.5	155	98	170
3"	91	168	127	257
4"	119	222	146	257

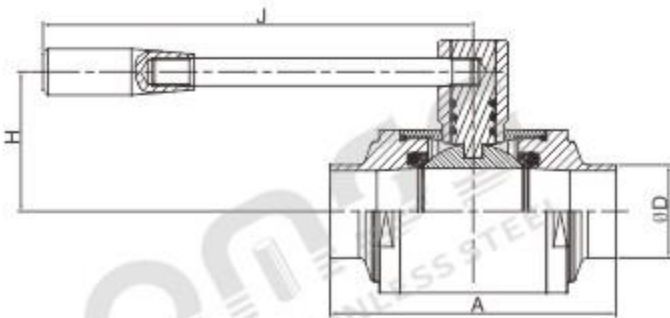
The DIN standard dimensions are the same as above.



ISO/IDF/SMS/3A/DS Straight Welded Ball Valve

Size	D	A	H	J
1/2"	12.7	76	43.5	103
3/4"	19.1	76	47.5	103
1"	25.4	100	57	127
1 1/4"	31.8	115	60	127
1 1/2"	38.1	115	64.5	127
2"	50.8	134	86	154
2 1/2"	63.5	155	98	155
3"	76.2	168	127	168
4"	101.6	222	146	222

The DIN standard dimensions are the same as above.



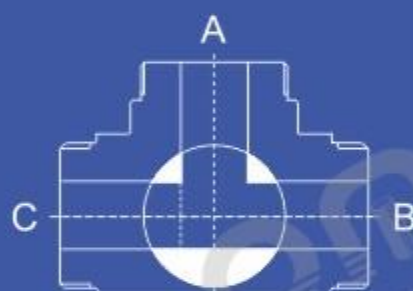
FULL-BORE THREE-WAY
NON-RETENTION BALL VALVE

APPLICATIONS

- This kind of wvalve is widely used in the field of fod pricessing,beverages,wine, Biopharmaocuticail etc.

TECHNICAL STANDARDS

- Gasket complies with FDA177.2600
- Connection: clamp,weld,thread
- Control mode: manual operation, pneumatic, electric
- Size: 1/2~ -4"/DN10-DN100 Standard: 3A,DIN,SMS.IDFISO
- Valve body can be repaced in any connections,and the length will not change.L-Port orT-port can be interchangeable on-site inlet, outlet to be any combination ofchangescan guarantee dead angle,no retention.



T Port



L Port

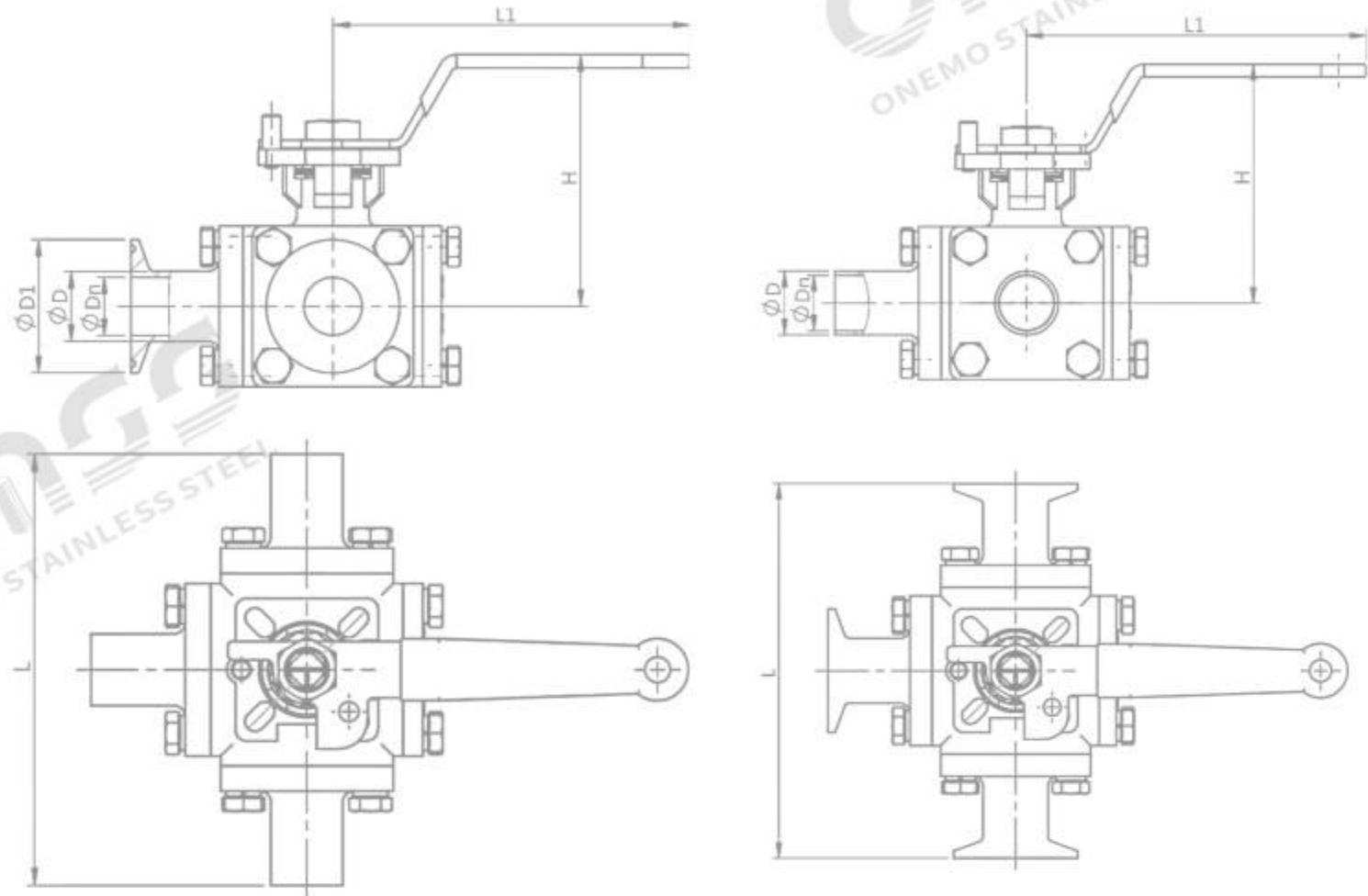


Fluid schematic diagram of three - way ball valve

THEN.M OF THREE-WAY
NON-RETENTION BALL VALVE

SIZE	1/2" -3/4"	1+ /DN251.25"/DN32.5"/DN402"/DN50	2.5" -3"	DN65	DN80	4"/DN100
扭矩 N.M	10	15 20 25 35	50	75	95	120

- Advice: increasing 20% Safety Margin When Selecting Actuators



3A

Full-bore Three-way Non-retention Ball Valve

SIZE	ΦDN	ΦD	ΦD1	L	L1	H
1"	9.4	12.7	12.7	12.7	135	77
3/4"	15.8	19.1	19.1	19.1	135	78
1"	22.1	25.4	25.4	25.4	135	95
1.25"	28.5	31.8	31.8	31.8	181	113
1.5"	34.8	38.1	38.1	38.1	181	113
2"	47.5	50.8	50.8	50.8	181	121
1"	60.2	63.5	63.5	63.5	181	135
3"	72.9	76.2	76.2	76.2	336	140
4"	97.4	101.6	101.6	101.6	436	150

DIN

Full-bore Three-way Non-retention Ball Valve

SIZE	ΦDN	ΦD	ΦD1	L	L1	H
DN15	15	18	34	118	135	77
DN20	19	22	34	127	135	78
DN25	25	28	50.5	152	135	95
DN32	31	34	50.5	175	181	113
DN40	37	40	50.5	175	181	113
DN50	49	52	64	201	181	121
DN65	66	70	91	227	181	135
DN80	81	85	106	262	336	140
DN100	100	104	119	319	436	150

SANITARY FOUR-WAY
FULL-BORE BALL VALVE

Item	Description	Material
1	Body	CF3M/316L
2	Ball	CF3M/316L
3	Seat(4)	PTFE
4	Joint Gasket(2)	PTFE
5	End Caps (3)	CF3M/316L
6	Back Plate	CF3M/316L
7	Stem	CF3M/316L
8	Stem Seats(3)	PTFE
9	Gland Ring(2)	304
10	Bevel Washer(2)	304
11	Lever Nut(2)	304
12	Locking Tab	304
13	Handle	304

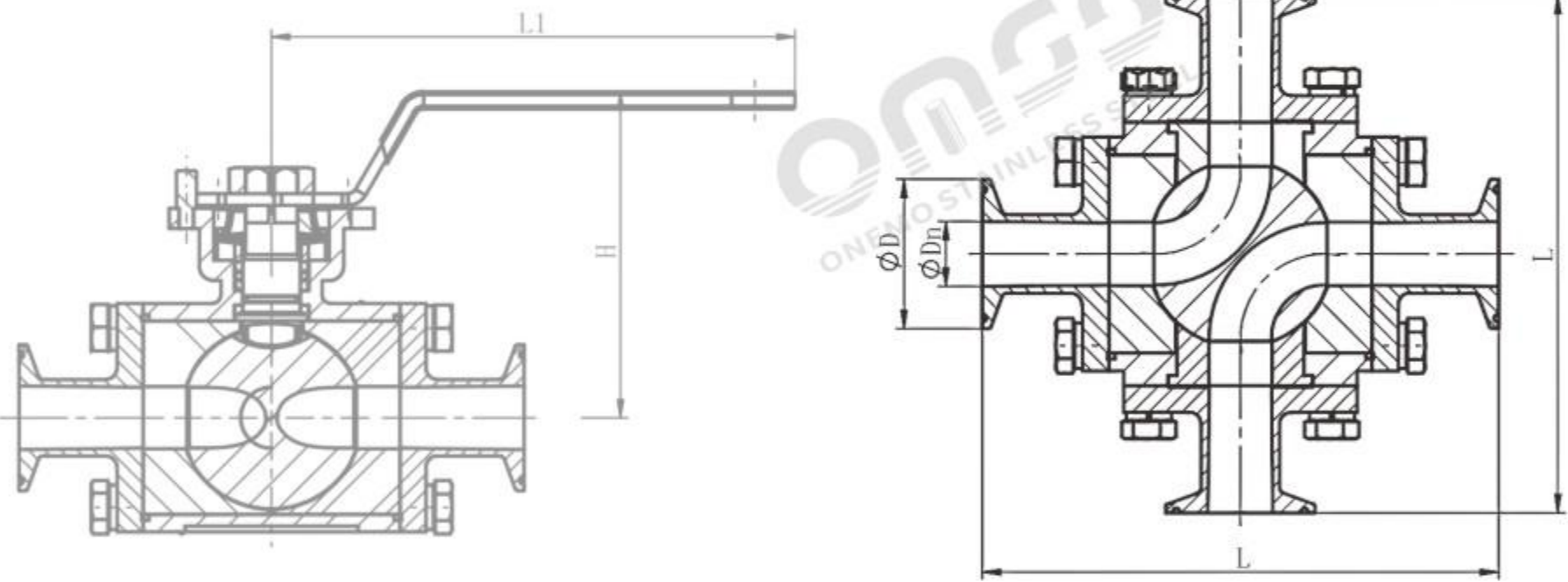


APPLICATIONS

- Pipes that can be applied to industries such as food, alcohol consumption, brewing, oil refining, cosmetics, pharmaceuticals, and chemical products, requiring no retention and the ability to switch the flow direction of two media.

FEATURES

- 1.This series of valves can be equipped with a variety of drive devices.
- 2.The working principle of this series of valve"s medium flow direction;
 - As shown in the picture, the four-way reversing ball valve, one valve achieving positive and negative water supply switch, every 90 switch,mold of water supply changed,simultaneously switch the flow direction of two media,convenient and rapid, achieve the effect of multipurpose valve.
 - In the old time, supply waterneed four valves,when supply water,valve A, D opened,valve B,C closed; in opposite direction,valve B, Copened,valveA, D closed; but now only one valve can take place the four,easy to operate.
- 3.Features of this series of valves:
 - Small fluid resistance:The connecting pipe section of the sphere and body are equal, and the spherical channeluse arc connection, when the media through the sphere there has small fluid resistance.
 - Well sealing performance:valve seat use the PTFE material with a certain elastic deformation and high strength, reach the well sealing performance to make sure the stability of the valve.
 - Long-lasting usage:overall material of the valve choose sanitary authentic stainless steel, valve seat select PTFE material, can reach the good effect of corrosion resistance, to extend the usage life of the valve.
 - Non-stagnation design:sealing choose quality PTFEencapsulated structure, so that the PTFE seat, sphere and valve body contact closely,to reach the purpose of non-retention.



3A

Sanitary Four-way Ball Valve

SIZE	ΦDn	ΦD	ΦD1	L	L1	H
1"	22.1	25.4	50.5	175	181	131
1.25"	28.5	31.8	50.5			
1.5"	34.8	38.1	50.5			
2"	47.5	50.8	64			
2.5"	60.2	63.5	77.5			
3"	72.9	76.2	91			
4"	97.4	101.6	119			

For specific specifications and parameters, please contact our company for details.

SANITARY BUTTERFLY TYPE BALL VALVE

APPLICATIONS

- Sanitary butterfly valve, can be used in material handling. This valve range of applications including food and beverage processing, pharmaceutical and chemical industries as well as other fields.
- Completely through the valve chamber design does not produce any fluid resistance, so that the valve is such that the best choice for handling viscous fluids or particulate matter.

OPERATING PRINCIPLES

- This kind of valve can be operated through actuator (electric pneumatic).
- Actuator or manually with the hand is to revolve the axial movement of piston actuator (electric or pneumatic) pushed the position of axial movement unto 90 degree; So the valve can open or close. The actuator has three types.
- Multi-position handle can use to 15° adjustment of valve; there is 12 seats to lock open or close. In that way, the valve can control the flow.
- Pulling handle can use to the 4 multi-function to lock open or close. In that way, the valve can control the flow.

MATERIALS

- Product wetted steel parts: 304 / 316L
- Other steel parts: 304
- Flow components of surface roughness: $Ra \leq 0.8$
- Outer surface roughness: $Ra \leq 1.6$
- Pneumatic head outer surface roughness: matt
- Wetted seals: PTFE, EPDM
- Other Seals: PTFE, NBR



Item	Description	Material
1	Bolts	SS304
2	Body Half(2)	SS304/316L
3	Joint Seal(2)	EPDM/SILICONE/VITON®
4	Ball Seats(2)	PTFE
5	Stem Seat	EPDM/SILICONE/VITON®
6	Ball	SS304/SS316L
7	Stem	SS304/SS316L
8	Bushing	Polyacetal
9	Handle	SS304
10	Hex Nut	SS304

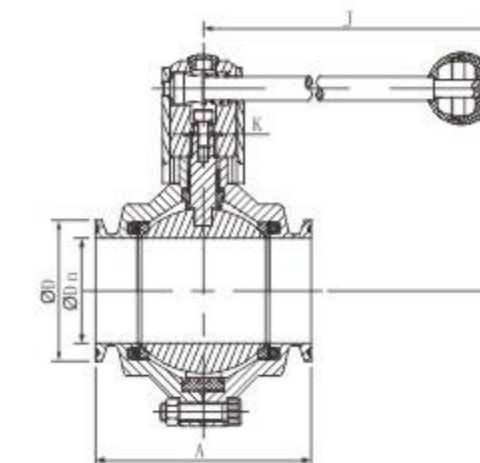
Operating Torque(N.m.)

(N.m) Dry test	DN10-DN20	DN25	DN32	DN40	DN50	2.5"	DN65	DN80	DN100
	1/2"-3/4"	1"	1 1/4"	1 1/2"	2"			3"	4"
	8	8	10	12	17	25	30	40	70

DIN

Clamped Butterfly Type Ball Valve

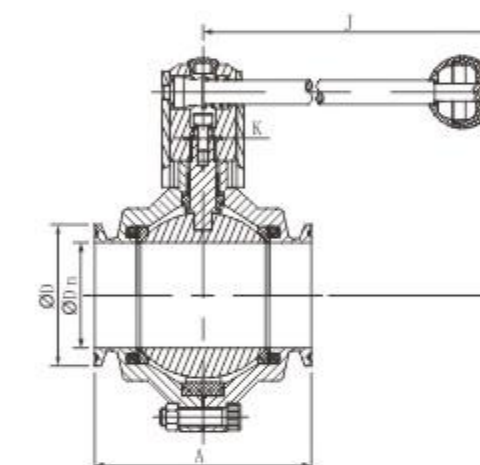
Size	DN	D	A	H	J	K
DN15	15	34	72	86.5	126	8×8
DN20	19	34	72	86.5	126	8×8
DN25	25	50.5	72	90.5	126	8×8
DN32	31	50.5	83	92.5	126	8×8
DN40	38	50.5	87	100.5	126	10×10
DN50	49	64	101	113.5	133	10×10
DN65	66	91	125	125.5	144	11×11
DN80	81	106	135	135.5	144	11×11
DN100	100	119	170	158.5	160	14×14



3A/SMS/ISO/DS

Clamped Butterfly Type Ball Valve

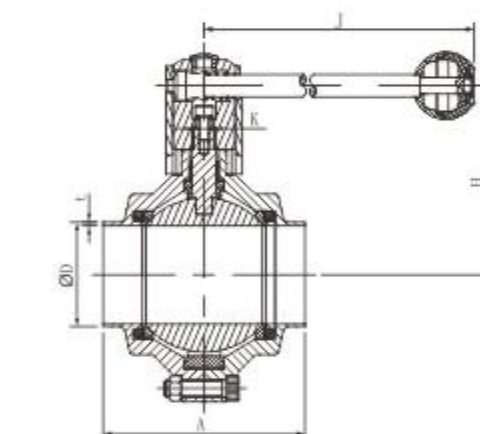
Size	D	A	H	J	K
1/2"	25.4	72	86.5	126	8×8
3/4"	25.4	72	86.5	126	8×8
1"	50.5	72	90.5	126	8×8
1 1/4"	50.5	83	92.5	126	8×8
1 1/2"	50.5	87	100.5	126	10×10
2"	64	101	113.5	133	10×10
2 1/2"	77.5	125	125.5	144	11×11
3"	91	135	135.5	144	11×11
4"	119	170	158.5	160	14×14



DIN

Welded Butterfly Type Ball Valve

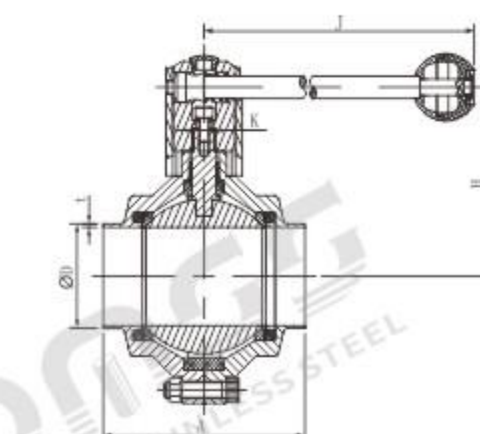
Size	D		t	A	H	J	K
	1	2					
DN15	18	19	1.5	72	86.5	126	8×8
DN20	22	23	1.5	72	86.5	126	8×8
DN25	28	29	1.5	72	90.5	126	8×8
DN32	34	35	1.5	83	92.5	126	8×8
DN40	40	41	1.5	87	100.5	126	10×10
DN50	52	53	1.5	101	113.5	133	10×10
DN65	70	-	2	125	125.5	144	11×11
DN80	85	-	2	135	135.5	144	11×11
DN100	104	-	2	170	158.5	160	14×14

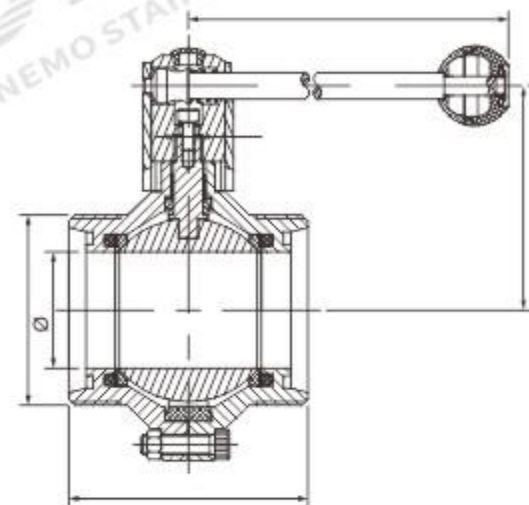


3A/SMS/ISO/DS

Welded Butterfly Type Ball Valve

Size	D	A	H	J	K
1/2"	12.7	72	86.5	126	8×8
3/4"	19.1	72	86.5	126	8×8
1"	25.4	72	90.5	126	8×8
1 1/4"	31.8	83	92.5	126	8×8
1 1/2"	38.1	87	100.5	126	10×10
2"	50.8	101	113.5	133	10×10
2 1/2"	63.5	125	125.5	144	11×11
3"	76.2	135	135.5	144	11×11
4"	101.6	170	158.5	160	14×14

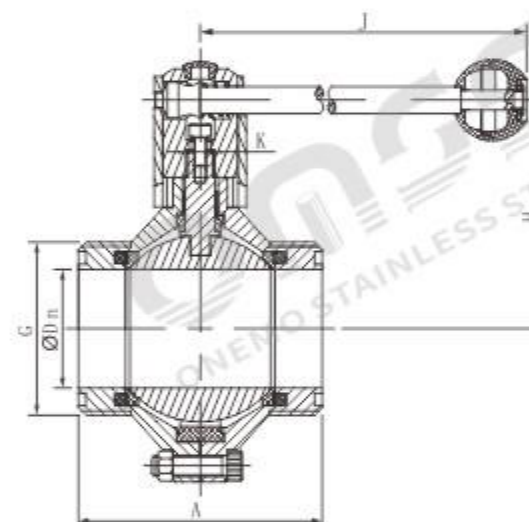




DIN

Threaded Butterfly Type Ball Valve

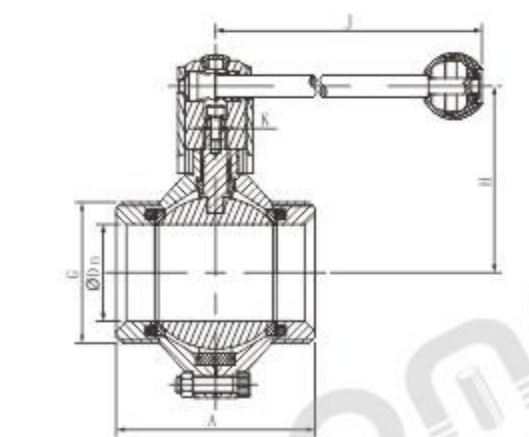
Size	Dn	G	A	H	J	K
DN15	15	Rd34×1/8	72	86.5	126	8×8
DN20	19	Rd44×1/6	72	86.5	126	8×8
DN25	25	Rd52×1/6	72	90.5	126	8×8
DN32	31	Rd58×1/6	83	92.5	126	8×8
DN40	37	Rd65×1/6	87	100.5	126	10×10
DN50	49	Rd78×1/6	101	113.5	133	10×10
DN65	66	Rd95×1/6	125	125.5	144	11×11
DN80	81	Rd110×1/4	135	135.5	144	11×11
DN100	100	Rd130×1/4	170	158.5	160	14×14



SMS

Threaded Butterfly Type Ball Valve

Size	Dn	G	A	H	J	K
Φ19	16	Rd36×1/8	72	86.5	126	8×8
Φ25	22.4	Rd40×1/6	72	90.5	126	8×8
Φ32	28.8	Rd48×1/6	83	92.5	126	8×8
Φ38	35.1	Rd60×1/6	87	100.5	126	10×10
Φ51	47.8	Rd70×1/6	101	113.5	133	10×10
Φ63	59.5	Rd85×1/6	125	125.5	144	11×11
Φ76	72.2	Rd98×1/6	135	135.5	144	11×11
Φ102 min	97.6	Rd125×1/4	170	158.5	160	14×14
Φ102 max	97.6	Rd132×1/6	170	158.5	160	14×14



3A

Threaded Butterfly Type Ball Valve

Size	Dn	G (Acme)	A	H	J	K
1/2"	22.1	37.1×1/8	72	86.5	126	8×8
3/4"	28.8	45.9×1/8	83	90.5	126	8×8
1 1/2"	34.8	50.6×1/8	87	100.5	126	10×10
2"	47.5	64.1×1/8	101	113.5	133	10×10
2 1/2"	60	77.6×1/8	125	125.5	144	11×11
3"	72.9	91.1×1/8	135	135.5	144	11×11
4"	97.6	119.2×1/6	170	158.5	160	14×14

STRAIGHT TYPE BALL VALVE

APPLICATIONS

- The series ball valves are used to transfer and control the materials, which are widely used in food, beverage, pharmacy, chemical industries etc.

OPERATING PRINCIPLES

- Through 90 degree rotary handle, drive the ball body which have transfixion cavity and precise manufacture, to open or close the valve, reaching control the flow rate of medium.

MATERIALS

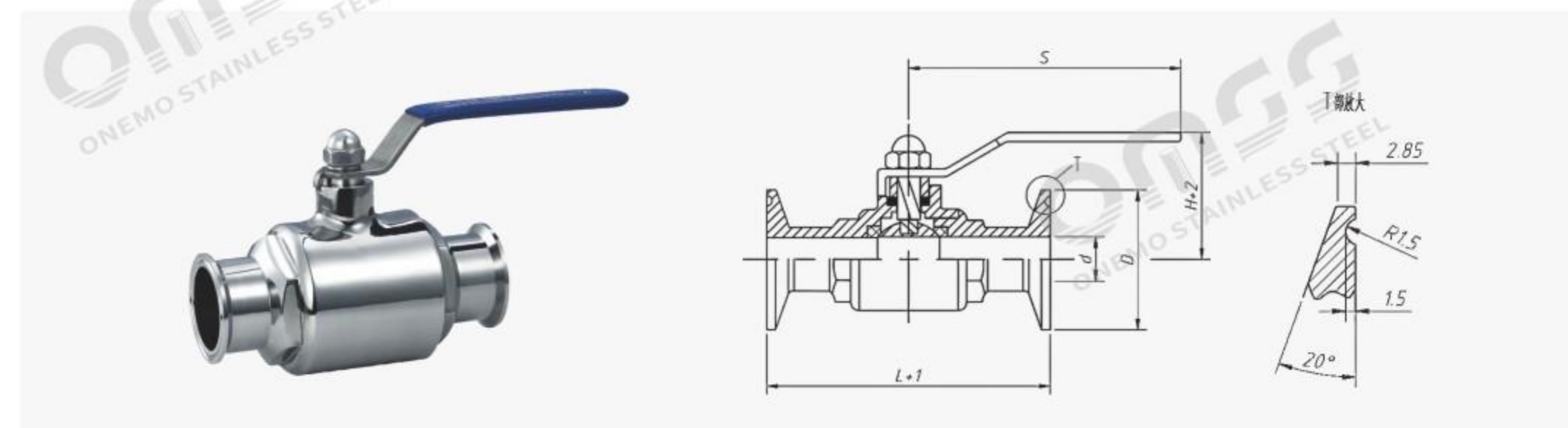
- Product wetted steel parts: 304/316L
- Other steel parts: 304
- Flow components of surface roughness: Ra ≤0.4um
- Outer surface roughness: Ra ≤0.4um
- Pneumatic head outer surface roughness: matt
- Wetted seals: PTFE, EPDM
- Other Seals: PTFE, NBR



STANDARD DESIGN

- Have different standard of valve series can supply for customers, they are the DIN standard series, 3A standard series, SMS standard series, ISO/IDF standard series, BS/RJT standard series, ASME/BPE etc.
- The constitute elements of ball valve always included: one handle, one ball body with transfixion cavity, valve body, valve central spindle and spindle shaft seal.
- The specification of yodsn ball valve series are welded ball valve, clamped ball valve, threaded ball valve etc.

SANITARY STRAIGHT BALL VALVE

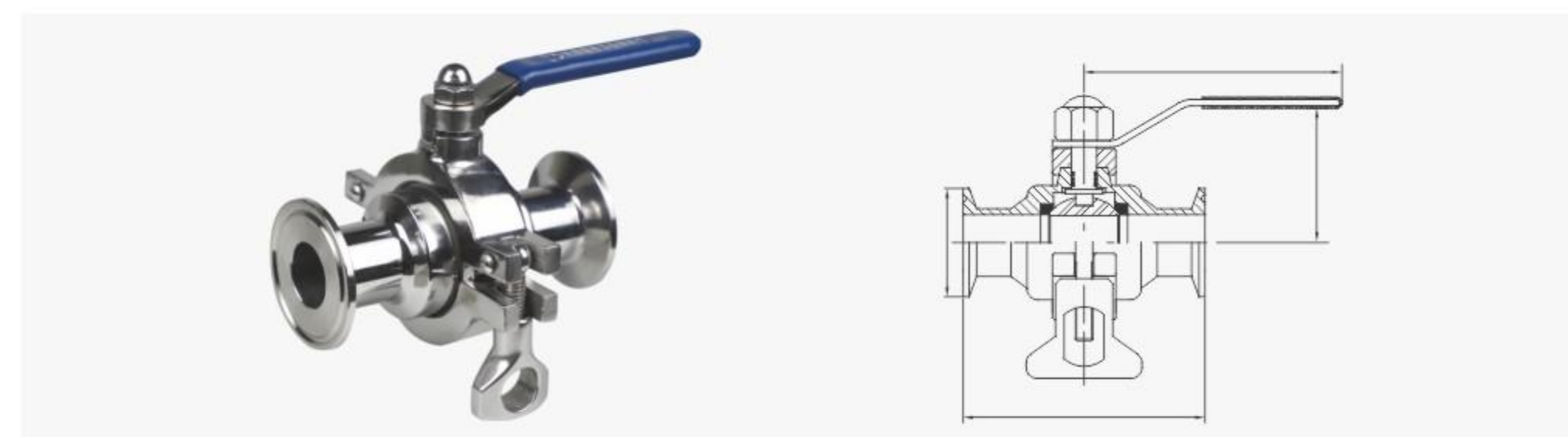


3A

Clamped Straight Ball Valve

SIZE	d	D	L	H	S
1/2"	10	25.5	75	41	95
3/4"	17	50.5	103	47	124
1"	22	50.5	116	62	132
1 1/4"	28	50.5	125	66	137
1 1/2"	35	50.5	137	76	154
1 3/4"	42	64	147	84	160
2"	47.5	64	162	91	173
2 1/4"	53	77.5	167	93	173
2 1/2"	60	77.5	178	97	173
3"	72	91	200	106	234
3 1/2"	80	106	210	125	244
4"	100	119	250	164	244
5"	125	145	320	210	350

SANITARY CLAMPED NON-RETENTION BALL VALVE



DIN

Size	D	A	H	J
DN15	34	90	65	105
DN20	34	100	65	105
DN25	50.5	110	70	105
DN32	50.5	120	80	130
DN40	50.5	140	80	150
DN50	64	164	85	160
DN65	91	180	110	180

3A

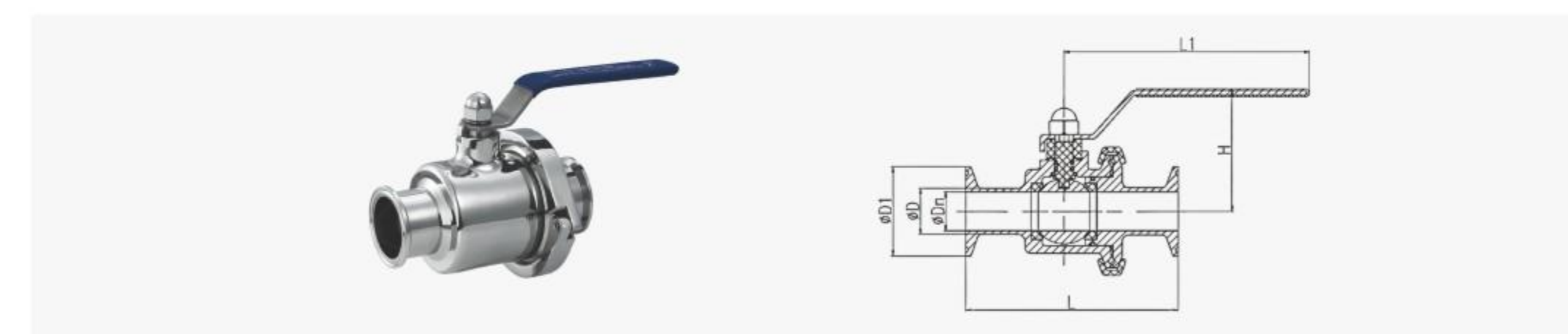
Size	D	A	H	J
3/4"	25.4	90	65	105
1"	50.5	110	70	105
1 1/4"	50.5	120	80	130
1 1/2"	50.5	140	80	150
2"	64	164	85	160
2 1/4"	77.5	170	110	180
2 1/2"	77.5	180	110	180

SANITARY THREE-WAY BALL VALVE



SIZE	d1	d2	D	L	K	H	S
3/4"	17	17	50.5	107	50.5	56	102
1"	22	22	50.5	125	60	62	142
1 1/4"	29	29	50.5	133	66	74	142
1 1/2"	35	35	50.5	145	74	75	142
2"	47.5	42	64	170	84	88	165
2 1/4"	53	52	77.5	170	92	96	230
2 1/2"	59	67	77.5	177	111	109	230
3"	72	66	91	210	116	112	230
3 1/2"	20	80	106	220	131	129	256
4"	100	94	119	240	147	164	332

CLAMPED PORTABLE BALL VALVE



SIZE	DN	D	L	L1	H
1/2"	9.4	12.7	90	110	60
3/4"	15.8	19.1	93	114	62
1"	22.1	25.4	124	140	63
1 1/4"	28.5	31.8	128	140	70
1 1/2"	34.8	38.1	139	160	75
2"	47.5	50.8	165	175	94
2 1/2"	60.2	63.5	190	225	121
3"	72.9	76.2	210	250	126
4"	97.4	101.6	260	333	147

STOP

AND REVERSING VALVE

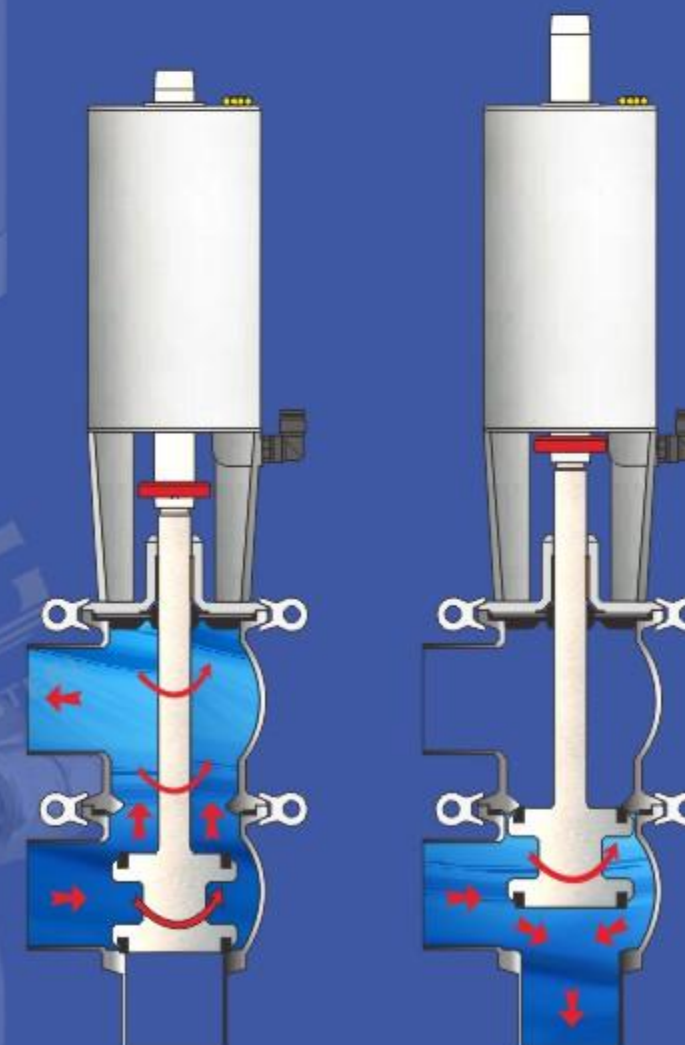


ONEMO

CUT-OFF/REVERSAL VALVES

ADVANTAGE

- Sanitary stop/transfer valves offer enhanced safety, cleanliness, durability, and aesthetics. They feature an open - type bracket that separates the pneumatic head from the valve body, allowing for direct inspection of the shaft seal. This design separates the valve actuator from the product - handling part, preventing heat transfer from the valve body to the pneumatic device. The valve can instantly switch between "normally closed" and "normally open" functions. The spherical valve body provides ideal fluidity and cleanability, handling materials more gently. With a standard valve component design, there is a high degree of flexibility and diversity in connection combinations. The metal stop ensures a longer sealing lifespan. Assembly and maintenance operations are fast and convenient.



Liquid Flow Direction



CUT-OFF/REVERSAL VALVES

Sanitary butterfly valve, can be used in material handling. This valve range of applications including food and beverage processing, pharmaceutical and chemical industries as well as other fields.

MATERIAL

- Material Contact Parts:304 or 316L
Sealing material:standard EPDM Silica gel,fl uorine gel for option

SURFACE TREATMENT

- Outside:Sandblast Ra≤1.6μm
Sublight Ra≤0.8μm
Inside:polish Ra≤0.4μm



Welding mouth rubber protective cover



Signal Feed BackDevice



REQUIREMENTS FOR COMPRESSED AIR QUALITY THAT THE EXECUTOR NEEDS

- Compressed air joint:air pipe equiped with
- air adapter R1/8"
- Max grain size:0.01mm
- Max oil content:0.08ppm
- Dew point:below 10°C or less
- Max water content:7.5g/kg

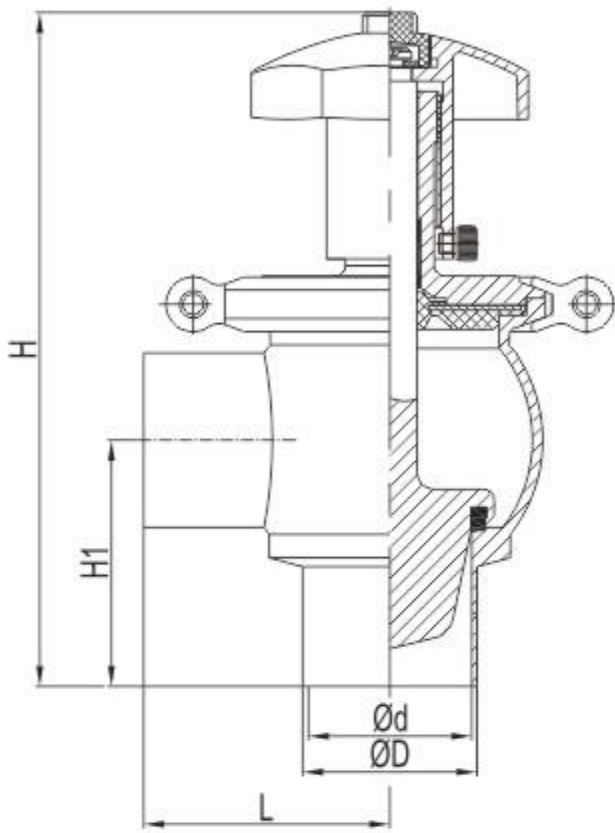


CUT-OFF/REVERSAL VALVES

Manual Flow Control Valve

Size	d	D	L	H1	H
1"	22.4	25.4	72	72	192
1.25"	28.8	31.8	72	72	192
1.5"	35.1	38.1	72	72	192
2"	47.8	50.8	72	72	192
2.5"	59.5	63.5	80	75	201

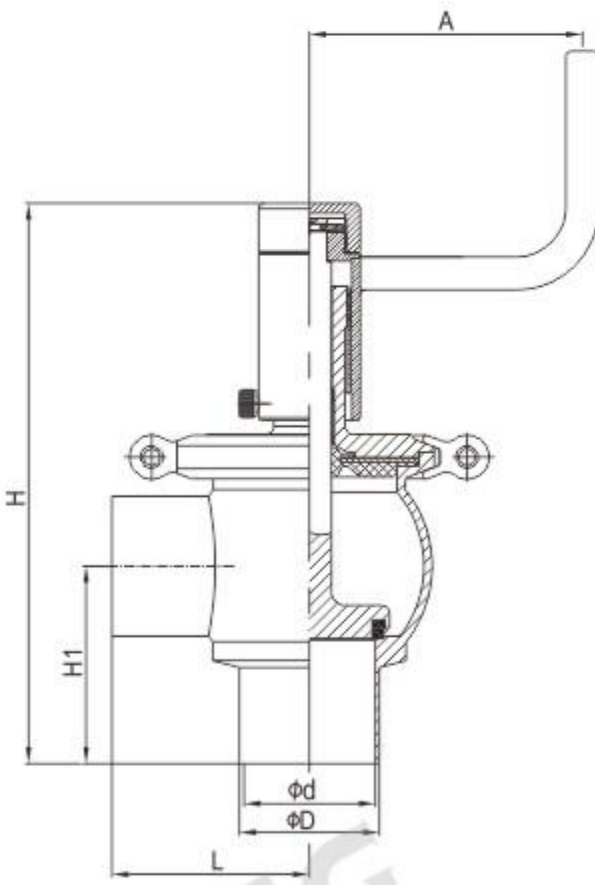
Size	d	D	L	H1	H
DN25	25	28	72	72	192
DN32	31	34	72	72	192
DN40	37	40	72	72	192
DN50	49	52	72	72	192



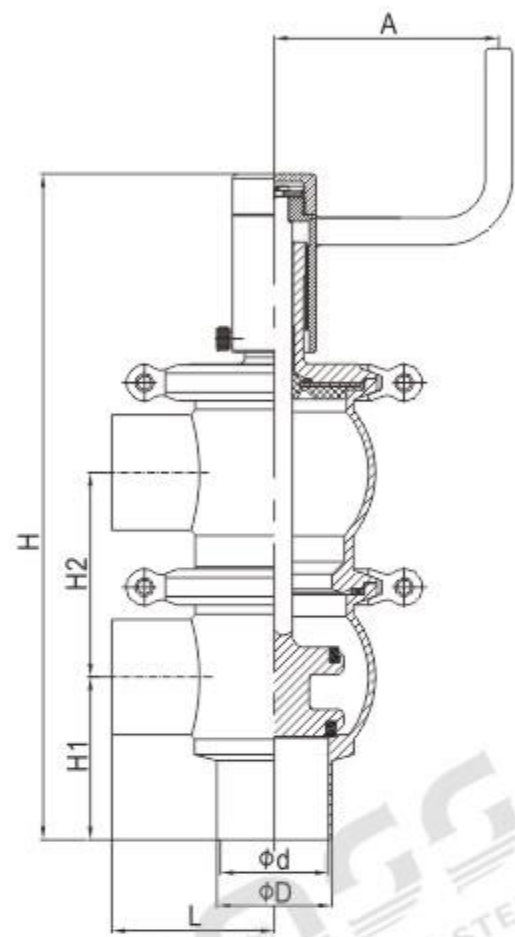
Manual Stop Valve

Size	d	D	L	H1	A	H
1"	22.4	25.4	72	72	100	204
1.25"	28.8	31.8	72	72	100	204
1.5"	35.1	38.1	72	72	100	204
2"	47.8	50.8	72	72	100	204
2.5"	59.5	63.5	80	75	100	213
3"	72.2	76.2	98	98	125	258
3.5"	84.9	88.9	107	107	125	272
4"	97.6	101.6	135	127	125	300

Size	d	D	L	H1	A	H
DN25	25	28	72	72	100	204
DN32	31	34	72	72	100	204
DN40	37	40	72	72	100	204
DN50	49	52	72	72	100	204
DN65	66	70	97	97	125	252
DN80	81	85	107	107	125	272
DN100	100	104	135	127	125	300



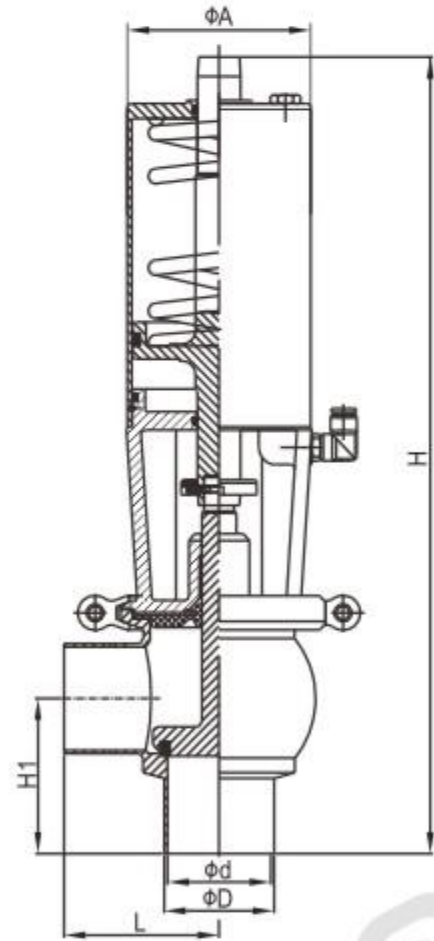
CUT-OFF/REVERSAL VALVES



Manual Valve

Size	d	D	L	H1	H2	A	H
1"	22.4	25.4	72	72	90	100	295
1.25"	28.8	31.8	72	72	90	100	295
1.5"	35.1	38.1	72	72	90	100	295
2"	47.8	50.8	72	72	90	100	295
2.5"	59.5	63.5	80	75	99	100	312
3"	72.2	76.2	98	98	107	125	364
3.5"	84.9	88.9	107	107	120	125	392
4"	97.6	101.6	135	127	135	125	434

Size	d	D	L	H1	H2	A	H
DN25	25	28	72	72	90	100	295
DN32	31	34	72	72	90	100	295
DN40	37	40	72	72	90	100	295
DN50	49	52	72	72	90	100	295
DN65	66	70	97	97	107	125	364
DN80	81	85	107	107	120	125	392
DN100	100	104	135	127	135	125	434



Pneumatic Shut - Off Valve

Size	d	D	L	H1	A	H
1"	22.4	25.4	72	72	86	367
1.25"	28.8	31.8	72	72	86	367
1.5"	35.1	38.1	72	72	86	367
2"	47.8	50.8	72	72	86	367
2.5"	59.5	63.5	80	75	86	373
3"	72.2	76.2	98	98	108	404
3.5"	84.9	88.9	107	107	133	442
4"	97.6	101.6	135	127	152	478

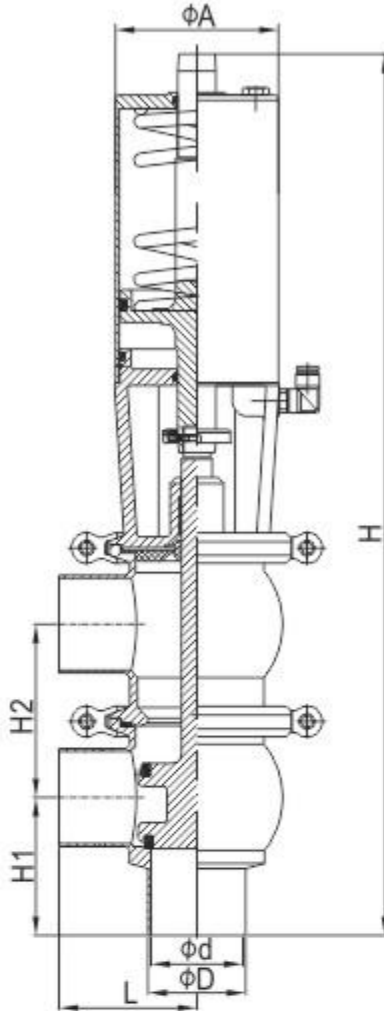
Size	d	D	L	H1	A	H
DN25	25	28	72	72	86	367
DN32	31	34	72	72	86	367
DN40	37	40	72	72	86	367
DN50	49	52	72	72	86	367
DN65	66	70	97	97	108	418
DN80	81	85	107	107	133	442
DN100	100	104	135	127	152	478

CUT-OFF/REVERSAL VALVES

Pneumatic Valve

Size	d	D	L	H1	H2	A	H
1"	22.4	25.4	72	72	90	86	453
1.25"	28.8	31.8	72	72	90	86	453
1.5"	35.1	38.1	72	72	90	86	453
2"	47.8	50.8	72	72	90	86	453
2.5"	59.5	63.5	80	75	99	86	472
3"	72.2	76.2	98	98	107	108	509
3.5"	84.9	88.9	107	107	120	133	562
4"	97.6	101.6	135	127	135	152	612

Size	d	D	L	H1	H2	A	H
DN25	25	28	72	72	90	86	453
DN32	31	34	72	72	90	86	453
DN40	37	40	72	72	90	86	453
DN50	49	52	72	72	90	86	453
DN65	66	70	97	97	107	108	528
DN80	81	85	107	107	120	133	562
DN100	100	104	135	127	135	152	612



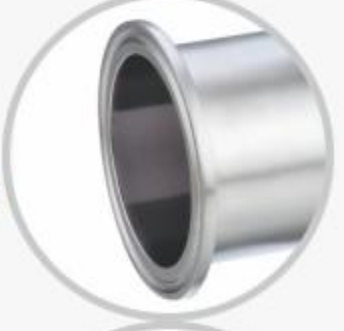
Intelligent Pneumatic Valve

Interface shape

Welding type



Clamp type



Thread type



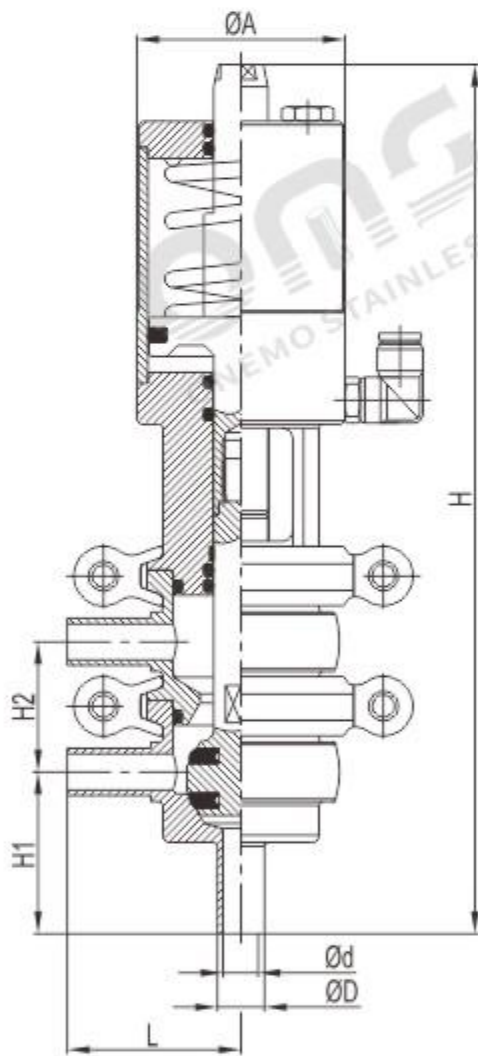
MINIPNEUMATIC
STOP/REVERSE VALVE

APPLICATION

The valve is widely used in small laboratory equipment and filling equipment.

DESIGN FEATURES

- Small portable
- Split design
- Tear open outfit is convenient



Mini pneumatic directional valve

Size	d	D	L	H1	H2	A	H
0.5"	9.5	12.7	46	43	35	56	234
0.75"	16.1	19.1	47	49	44	56	252

Size	d	D	L	H1	H2	A	H
DN10	9	12	46	43	35	56	234
DN15	15	18	47	49	44	56	252
DN20	19	22	47	49	44	56	252



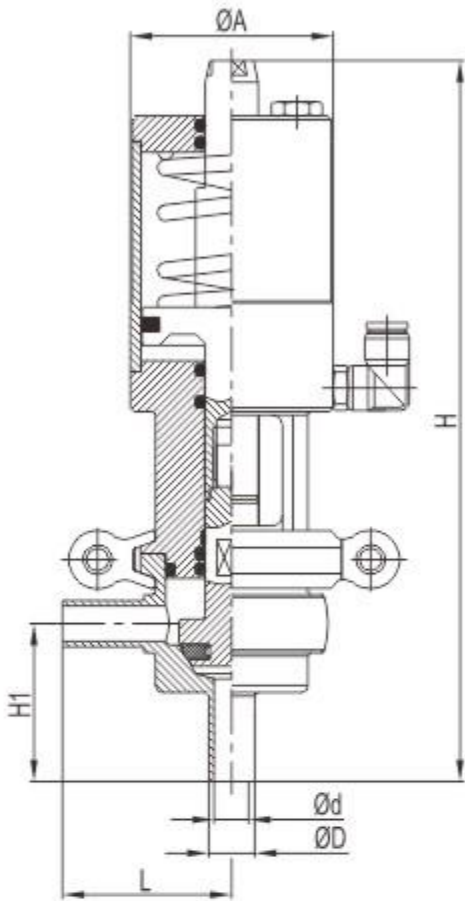
MINIPNEUMATIC
STOP/REVERSE VALVE



Mini Globe Valve

Size	d	D	L	H1	A	H
0.5"	9.5	12.7	46	43	56	199
0.75"	16.1	19.1	47	49	56	207

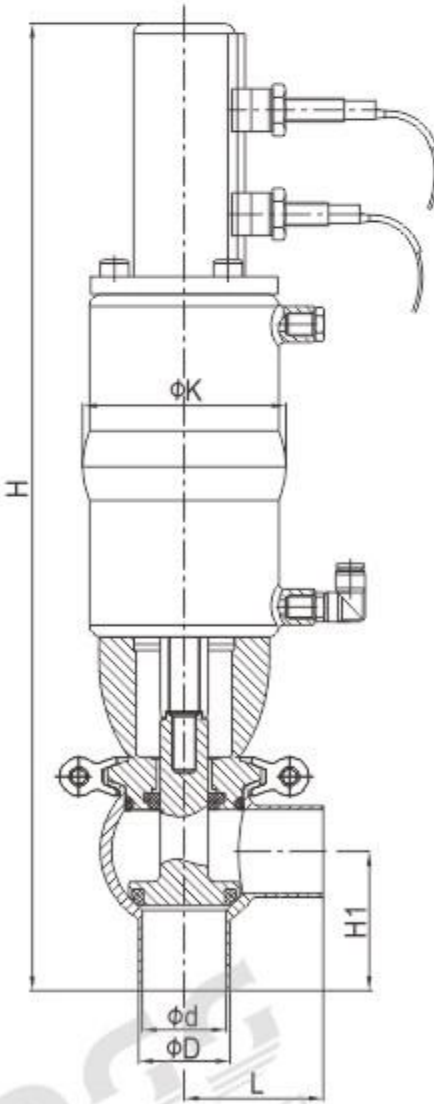
Size	d	D	L	H1	A	H
DN10	9	12	46	43	56	199
DN15	15	18	47	49	56	207
DN20	19	22	47	49	56	207



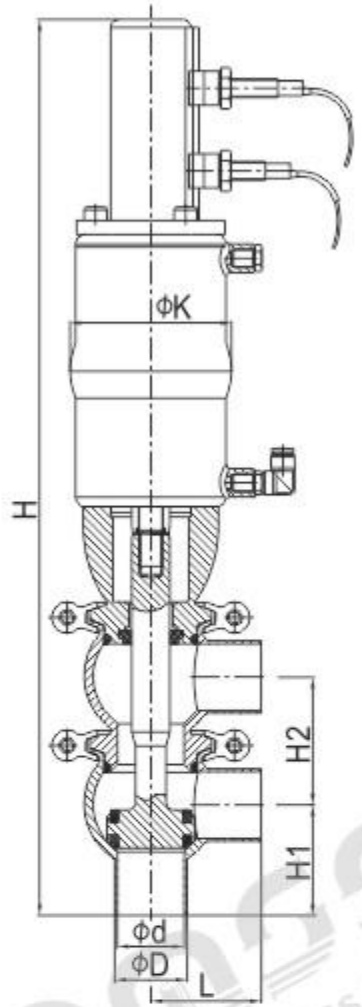
Pneumatic Globe Valve

Size	d	D	L	H1	K	H
1"	22.4	25.4	61	61	85	398
1.25"	28.8	31.8	61	61	85	398
1.5"	35.1	38.1	58	58	85	396
2"	47.8	50.8	66	66	126	428
2.5"	59.5	63.5	77	77	126	446
3"	72.2	76.2	97	97	126	475
3.5"	84.9	88.9	107	107	140	492
4"	97.6	101.6	135	127	151	535

Size	d	D	L	H1	A	H
DN25	25	28	61	61	85	398
DN32	31	34	61	61	85	398
DN40	37	40	58	58	85	396
DN50	49	52	66	66	126	428
DN65	66	70	97	97	126	475
DN80	81	85	107	107	140	492
DN100	100	104	135	127	151	535



MINIPNEUMATIC
STOP/REVERSE VALVE



Pneumatic Valve

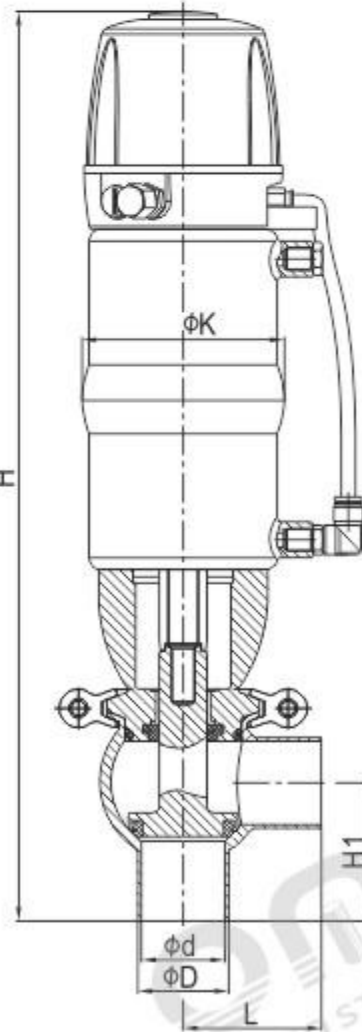
Size	d	D	L	H1	H2	K	H
1"	22.4	25.4	61	61	66	85	465
1.25"	28.8	31.8	61	61	66	85	465
1.5"	35.1	38.1	58	58	67	85	463
2"	47.8	50.8	66	66	76	126	504
2.5"	59.5	63.5	77	77	88	126	534
3"	72.2	76.2	97	97	106	126	581
3.5"	84.9	88.9	107	107	120	140	612
4"	97.6	101.6	135	127	135	151	670

Size	d	D	L	H1	H2	A	H
DN25	25	28	61	61	66	85	465
DN32	31	34	61	61	66	85	465
DN40	37	40	58	58	67	85	463
DN50	49	52	66	66	76	126	504
DN65	66	70	97	97	106	126	581
DN80	81	85	107	107	120	140	612
DN100	100	104	135	127	135	151	670

Intelligent Pneumatic Shut - Off Valve

Size	d	D	L	H1	K	H
1"	22.4	25.4	61	61	85	429
1.25"	28.8	31.8	61	61	85	429
1.5"	35.1	38.1	58	58	85	427
2"	47.8	50.8	66	66	126	459
2.5"	59.5	63.5	77	77	126	477
3"	72.2	76.2	97	97	126	506
3.5"	84.9	88.9	107	107	140	523
4"	97.6	101.6	135	127	151	566

Size	d	D	L	H1	A	H
DN25	25	28	61	61	85	429
DN32	31	34	61	61	85	429
DN40	37	40	58	58	85	427
DN50	49	52	66	66	126	459
DN65	66	70	97	97	126	506
DN80	81	85	107	107	140	523
DN100	100	104	135	127	151	566

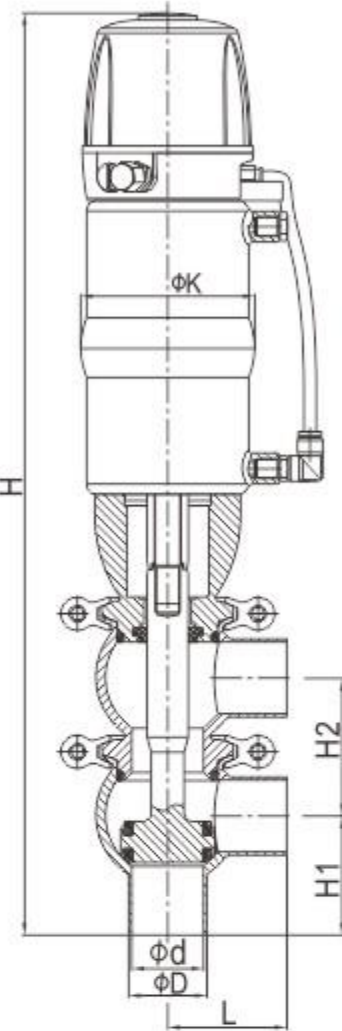


MINIPNEUMATIC
STOP/REVERSE VALVE

Intelligent pneumatic valve

Size	d	D	L	H1	H2	K	H
1"	22.4	25.4	61	61	66	85	496
1.25"	28.8	31.8	61	61	66	85	496
1.5"	35.1	38.1	58	58	67	85	494
2"	47.8	50.8	66	66	76	126	535
2.5"	59.5	63.5	77	77	88	126	565
3"	72.2	76.2	97	97	106	126	612
3.5"	84.9	88.9	107	107	120	140	643
4"	97.6	101.6	135	127	135	151	701

Size	d	D	L	H1	H2	A	H
DN25	25	28	61	61	66	85	496
DN32	31	34	61	61	66	85	496
DN40	37	40	58	58	67	85	494
DN50	49	52	66	66	76	126	535
DN65	66	70	97	97	106	126	612
DN80	81	85	107	107	120	140	643
DN100	100	104	135	127	135	151	701



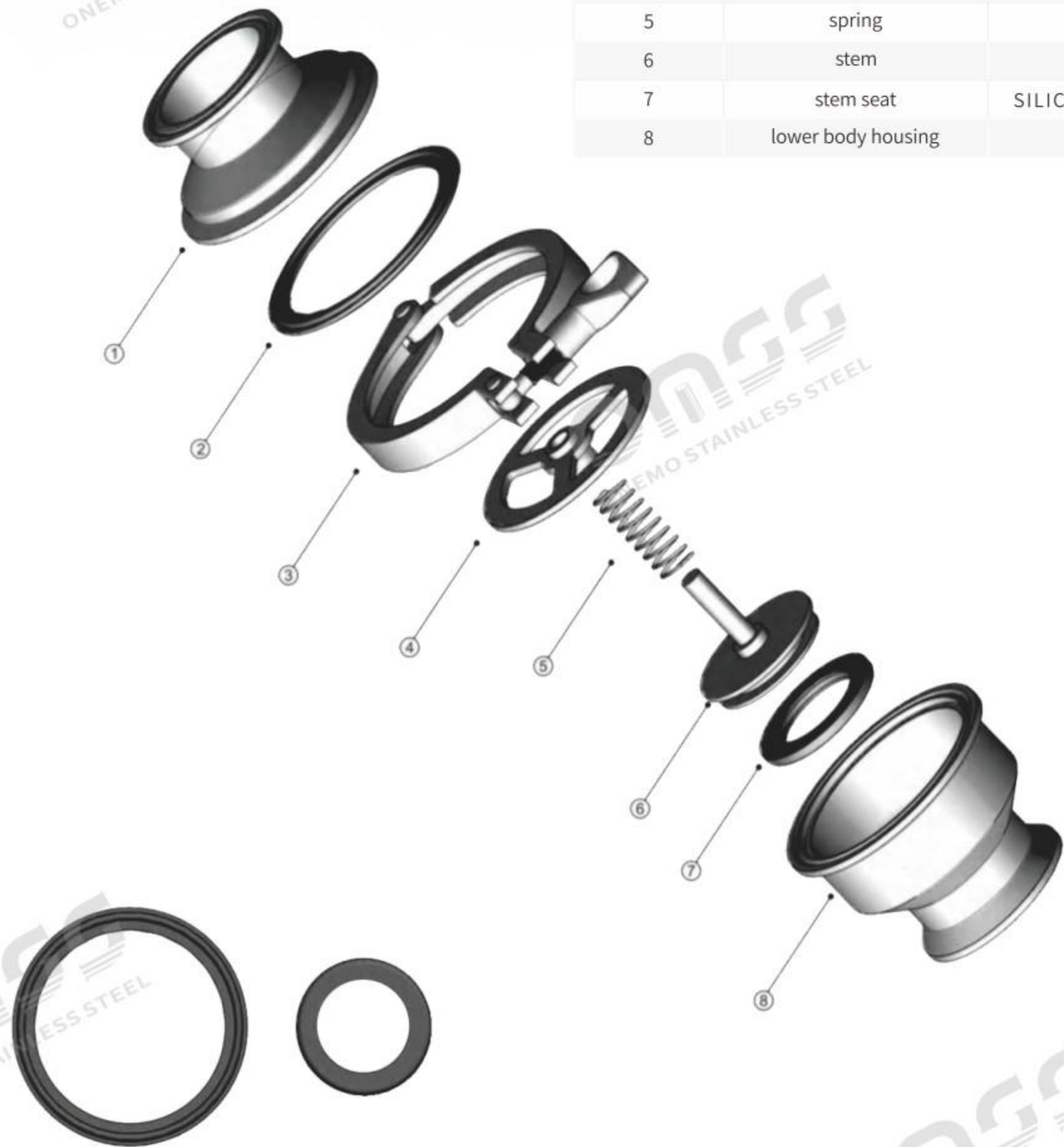
SANITARY CHECK VALVE



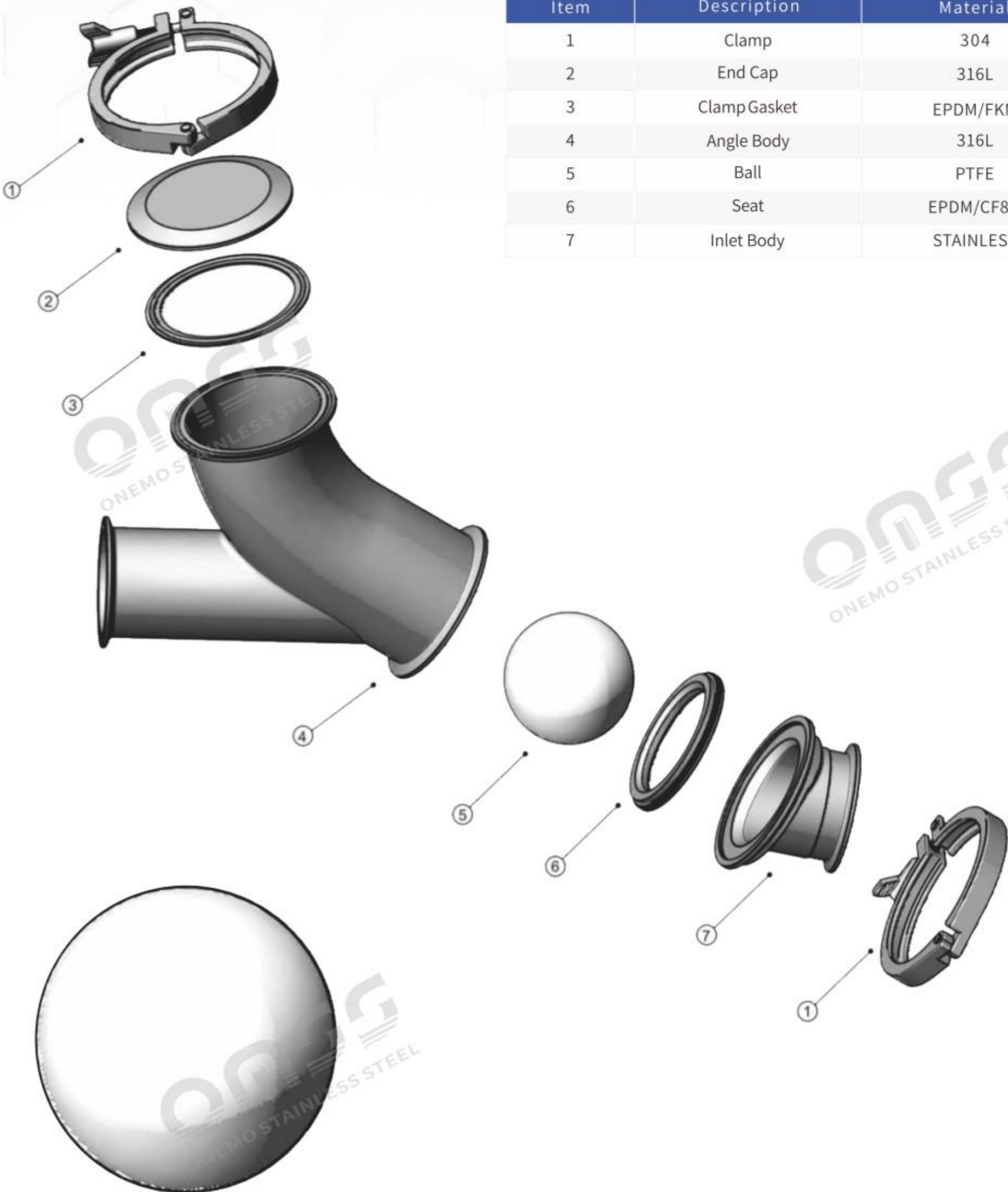
SANITARY SPRING CHECK VALVES



Item	Description	Material
1	upper body housing	SS316L
2	clamp gasket	SILICONE/EPDM/FKM
3	single pin clamp	SS304
4	flow plate	SS316L
5	spring	SS316L
6	stem	SS316L
7	stem seat	SILICONE/EPDM/FKM
8	lower body housing	SS316L



SANITARY Y-BALL CHECK VALVES



Item	Description	Material
1	Clamp	304
2	End Cap	316L
3	Clamp Gasket	EPDM/FKM
4	Angle Body	316L
5	Ball	PTFE
6	Seat	EPDM/CF8M
7	Inlet Body	STAINLESS

CHECK VALVE

OPERATING PRINCIPLE

- The valve opens when the pressure of the fluid exceeds the pressure exerted by the pump spring. When the two pressures are equalised, the valve closes. A stronger counter-pressure allows the valve to close.

MATERIALS

- Casing/shaft AISI 316L
- Spring AISI 301
- Seal EPDM according to FDA 177.2600
- Surface finishing Ra ≤ 0.8 μm

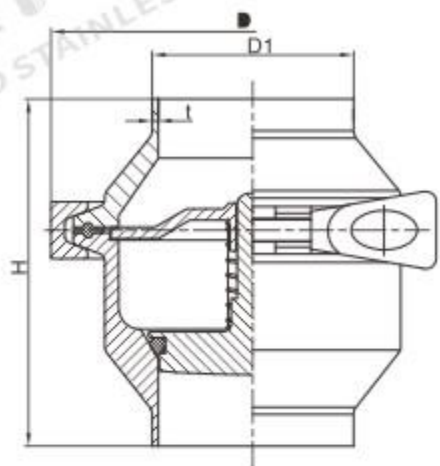
OPTIONS

- Seals in NBR, FPM (Viton) or PTFE. All of them according to FDA177.2600
- Connections: welded, threaded, clamped
Standard: DIN, SMS, RJT, IDF, ISO, 3A

TECHNICAL SPECIFICATIONS

- Max. pressure 10 bar
- Opening pressure: 0.3 bar (DN-25)
0.2 bar (DN-32/40)
0.1 bar (DN-50/100)
- Working temperature -10°C to +120°C (EPDM)

CHECK VALVE



Welded Check Valve

Size	t	H	D	D1
DN15	1.5	54.0	54.0	18.0
DN20	1.5	54.0	54.0	22.0
DN25	1.5	71.0	87.0	28.0
DN32	1.5	70.0	87.0	34.0
DN40	1.5	70.0	87.0	40.0
DN50	1.5	80.0	100.0	52.0
DN65	2.0	90.0	115.0	70.0
DN80	2.0	100.0	128.0	85.0
DN100	2.0	106.0	164.0	104.0

ISO/IDF

Welded Check Valve

Size	t	H	D	D1
	1.5	54.0	54.0	19.1
3/4"	1.5	71.0	87.0	25.4
1"	1.5	70.0	87.0	31.8
1 1/4"	1.5	70.0	87.0	38.1
1 1/2"	1.5	80.0	100.0	45.0
45	2.0	80.0	100.0	50.8
2"	2.0	90.0	100.0	57.0
57	2.0	90.0	115.0	63.5
2 1/2"	2.0	100.0	128.0	76.2
3"	2.0	100.0	128.0	89.0
3 1/2"	2.0	106.0	164.0	101.6
4"	2.0	110.0	164.0	108.0

DIN

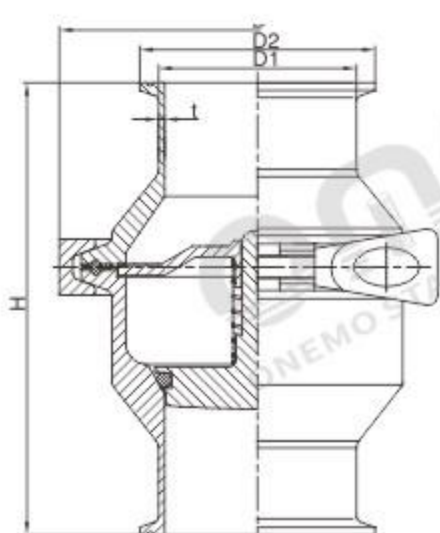
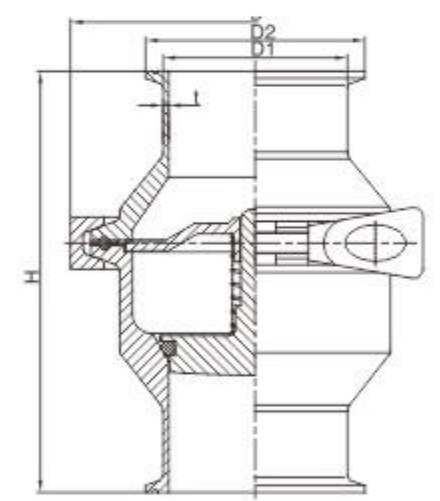
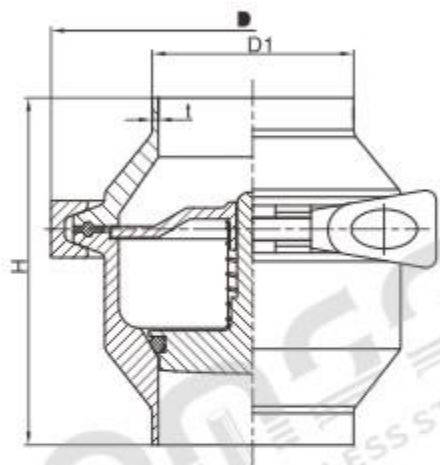
Clamped Check Valve

Size	t	H	D	D1
DN15	1.5	64	54.0	34.0
DN20	1.5	76	54.0	34.0
DN25	1.5	114	87.0	50.5
DN32	1.5	113	87.0	50.5
DN40	1.5	113	87.0	50.5
DN50	1.5	128	100.0	64.0
DN65	2.0	146	115.0	91.0
DN80	2.0	156	128.0	106.0
DN100	2.0	162	164.0	119.0

SMS

Clamped Check Valve

Size	t	H	D	D1
1/2"	1.5	64	54.0	25.4
3/4"	1.5	76	54.0	25.4
1"	1.5	96	87.0	50.5
1 1/4"	1.5	95	87	50.5
1 1/2"	1.5	95	87.0	50.5
2"	2.0	105	100.0	64
2 1/2"	2.0	115	115.0	77.5
3"	2.0	124	128.0	91
4"	2.0	137	164.0	119.0

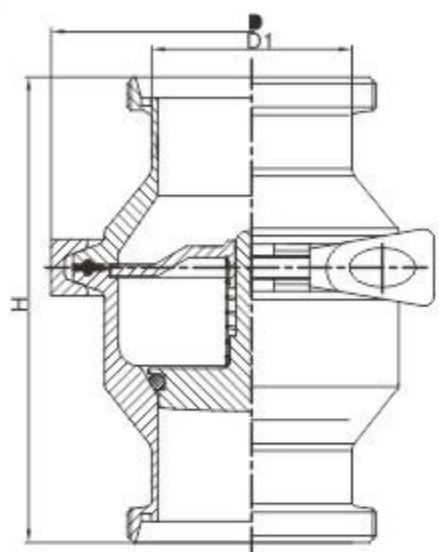


CHECK VALVE

DIN

Threaded Check Valve

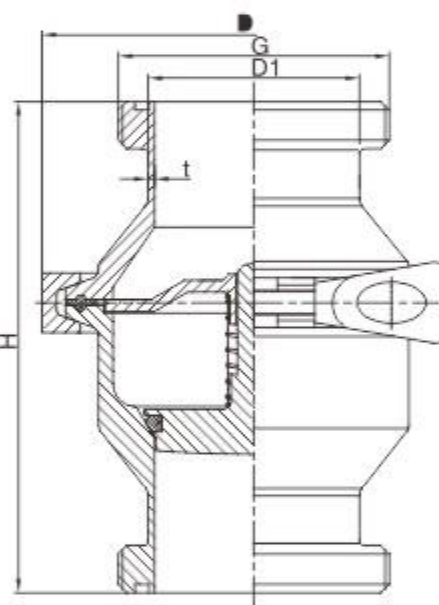
SIZE	H	D1		D	t	G(RD)
		1	2			
DN15	88	18	19	54	1.5	RD34x1/8"
DN20	92	22	23	54	1.5	RD44x1/6"
DN25	115	28	29	87	1.5	RD52x1/6"
DN32	116	34	35	87	1.5	RD58x1/6"
DN40	112	40	41	87	1.5	RD65x1/6"
DN50	124	52	53	100	1.5	RD78x1/6"
DN65	140	70	-	115	2.0	RD95x1/6"
DN80	150	85	-	128	2.0	RD110x1/4"
DN100	166	104	-	164	2.0	RD130x1/4"



SMS

Threaded Check Valve

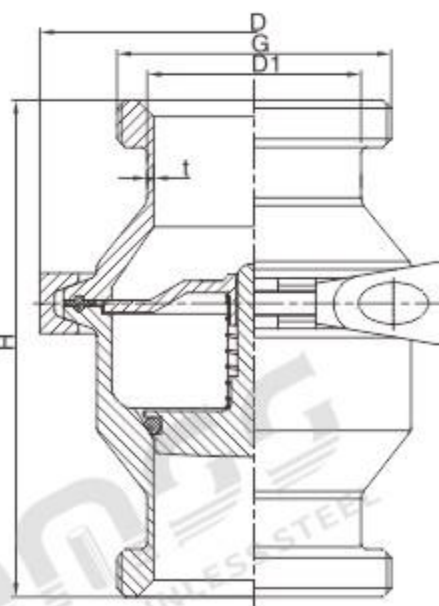
SIZE	H	D	D1	t	G(RD)
3/4"	92	54	19	1.5	RD34x1/8"
1"	109	87	25.4	1.5	RD40x1/6"
1 1/4"	116	87	31.8	1.5	RD48x1/6"
1 1/2"	116	87	38.1	1.5	RD60x1/6"
2"	126	100	50.8	1.5	RD70x1/6"
2 1/2"	144	115	63.5	2.0	RD85x1/6"
3"	154	128	76.2	2.0	RD98x1/6"
4"	176	164	101.6	2.0	RD132x1/6"



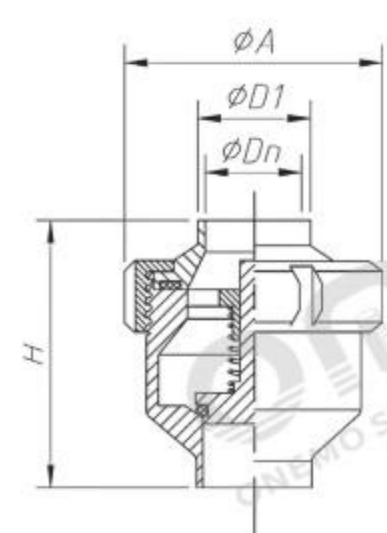
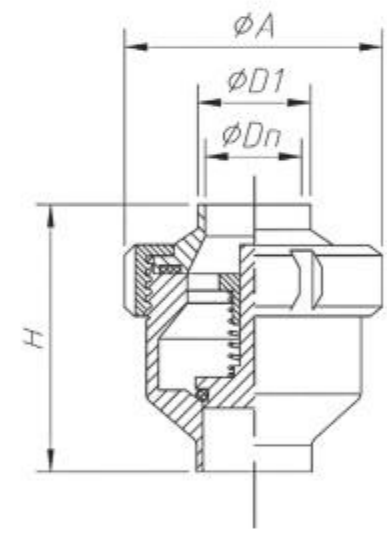
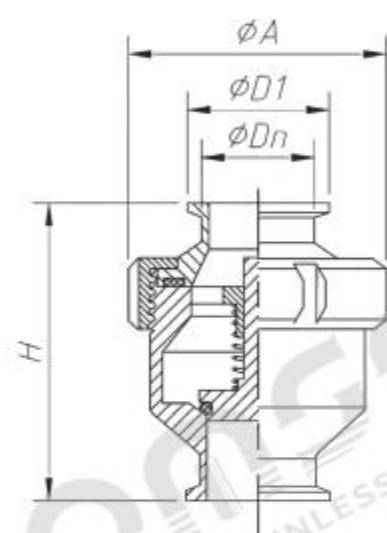
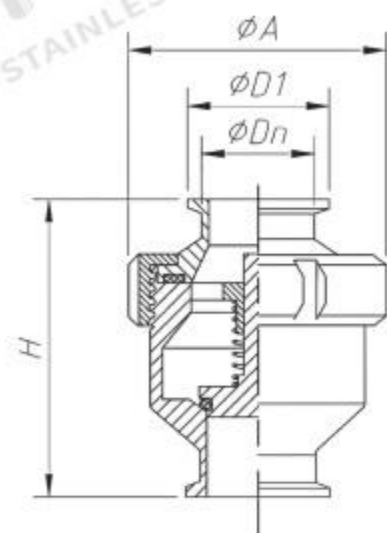
3A

Threaded Check Valve

SIZE	H	D1	D	t	G
1"	108	25.4	87	1.65	37.13x1/8" Acme
1 1/2"	108	38.1	87	1.65	50.65x1/8" Acme
2"	118	50.8	100	1.65	64.6x1/8" Acme
2 1/2"	134	63.5	115	1.65	77.7x1/8" Acme
3"	136	76.2	128	1.65	91.1x1/8" Acme
4"	158	101.6	164	2.1	119.25x1/6" Acme



CHECK VALVE



DIN Union Type Clamp Check Valve				
Size	DN	DI	A	H
DN25	25	50.5	63	113
DN32	31	50.5	78	118
DN40	37	50.5	78	118
DN50	49	64	92	123
DN65	66	91	112	146
DN80	81	106	148	171
DN100	100	119	178	201

SMS Union Type Clamp Check Valve				
Size	DN	DI	A	H
1"	22.1	50.5	63	113
1 1/4"	28.5	50.5	78	118
1 1/2"	34.8	50.5	78	118
2"	47.5	64	92	128
2 1/2"	60.2	77.5	112	133
3"	72.9	91	148	143
4"	97.6	119	178	198

DIN Union Type Welded Check Valve				
Size	DN	DI	A	H
DN25	25	28	63	70
DN32	31	34	78	75
DN40	37	40	78	75
DN50	49	52	92	80
DN65	66	70	112	90
DN80	81	85	148	115
DN100	100	104	178	147

SMS Union Type Welded Check Valve				
Size	DN	DI	A	H
1"	22.1	25.4	63	70
1 1/4"	28.5	31.8	78	75
1 1/2"	34.8	38.1	78	75
2"	47.5	50.8	92	85
2 1/2"	60.2	63.5	112	90
3"	72.9	76.2	148	100
4"	97.6	101.6	178	155

STRAINER
FILTER



SANITARY ANGULAR STRAINER



Item	Description	Material
1	Strainer Body	T316L
2	Seal	SILICONE/EPDM/VITON
3	Strainer Element	T316L
4	Clamp Gasket	SILICONE/EPDM/VITON
5	Cap with Handle	T316L
6	Clamp	T304



Dptions

Strainer Element	
A	perforated plate with circular holes
B	perforated plate with Metal Mesh
C	Wedge Wire

STRAINER
FILTER

APPLICATIONS

• Sanitary filter is mainly used in protecting of pumps,instrumentation and other devices to work properly. Because of its compact structure, strong filtering ability, small pressure loss,convenient maintenance and etc.They are widely used in beverage,pharmaceutical, dairy and other fields

OPERATING PRINCIPLES

• The filter consists of a filter body with an inlet and outlet.Filter mesh is installed inside the filter body, the mesh retain all particles,which is equal or larger than mesh. When surrounding pressure of the filter exceeds demand, or when the filter element is damaged, you can remove it, then clean orchange a new filter element which is used after reinstallation.

MATERIALS

- Filter housing: 304/316L
- Metal mesh: 304/316L
- Perforated plate: 304/316L
- Gasket: EPDM
- Polish: Ra≤0.8um



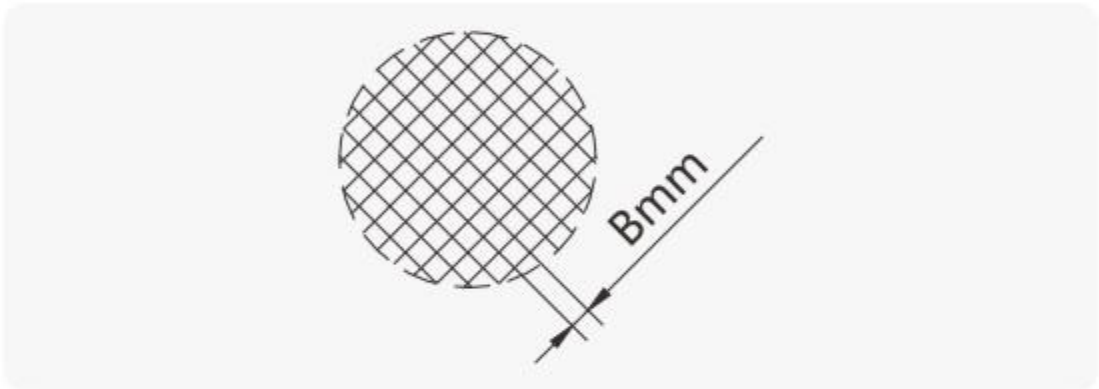
STRAINER
FILTER

Different filter element,can be selected according to requiremengts. There are three types of cores(metal mesh,perforated plate and wedge wire)

The filtering capabilities are as follows

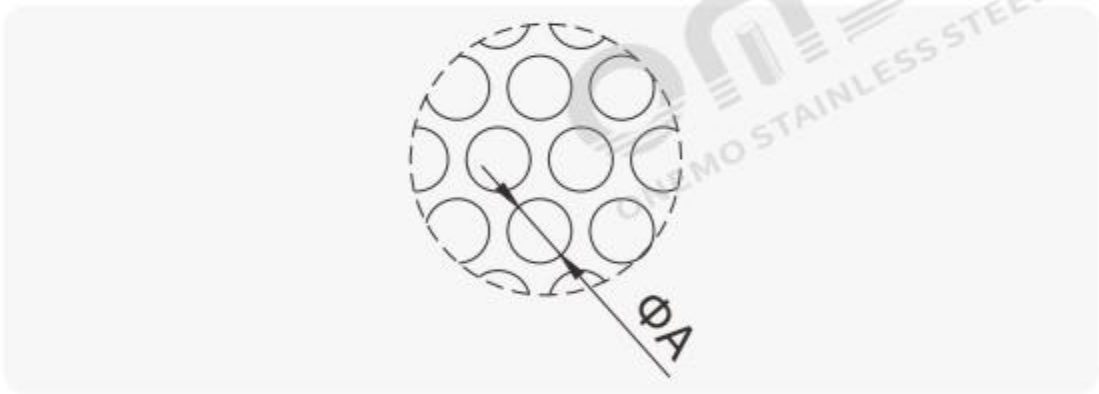
Metal Mesh

Mesh	B(mm)	Effective surface
30	0,55	48
40	0,40	46
60	0,30	52,6
80	0,20	42
100	0,15	36,2
165	0,10	45,4



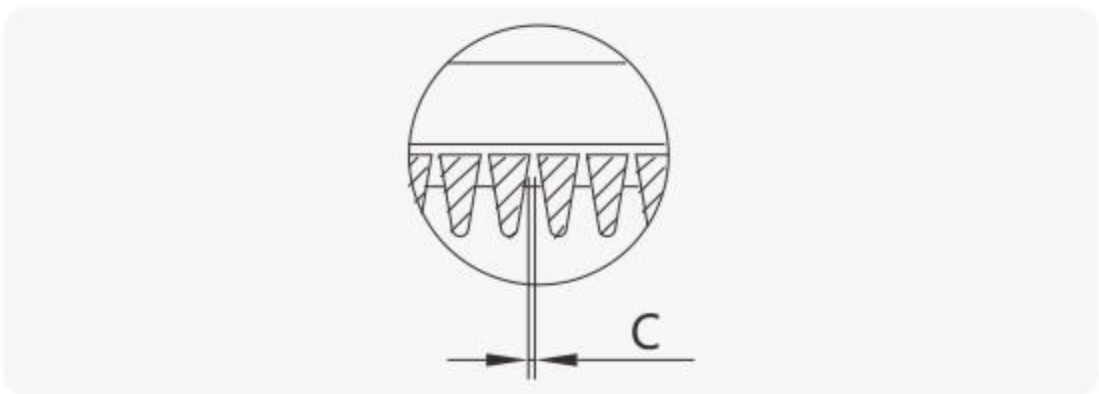
Perforated Plate

A aperture(mm)	Effective surface	
0.5	15	
1	28	
1.5	33	
2	30	
3	33	
5	46	

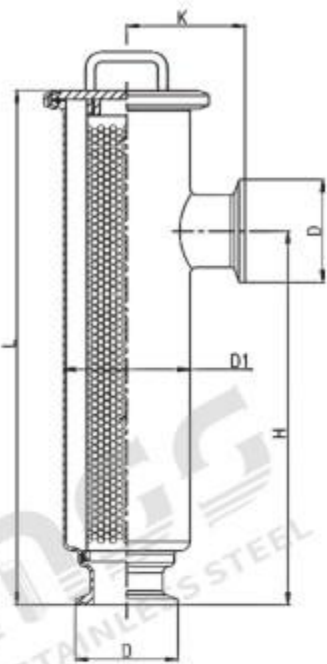


Wedge Wire

Mesh	C(mm)	Effective surface
30	0,55	48
40	0,40	46
60	0,30	52,6
80	0,20	42
100	0,15	36,2
165	0,10	45,4

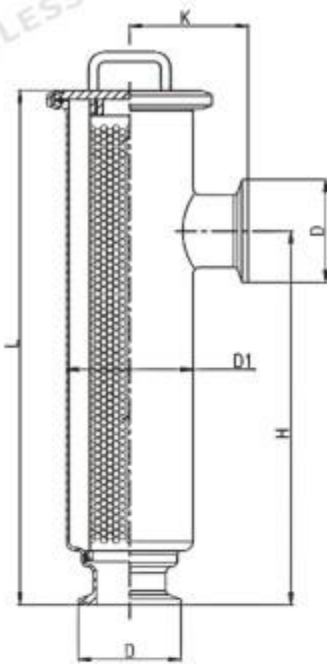


CLAMPED ANGLE FILTER



DIN

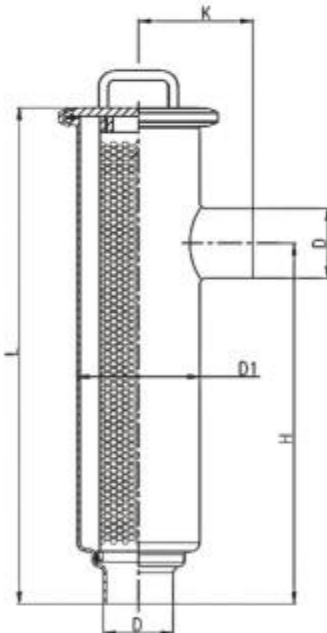
SIZE	L	H	D	D1	K
DN25	344	249	50.5	76	88.7
DN40	344	249	50.5	76	88.7
DN50	369	264	64	89	101.7
DN65	460	330	91	101.6	114.5
DN80	510	365	106	114.3	128
DN100	640	470	119	140	155.9



3A

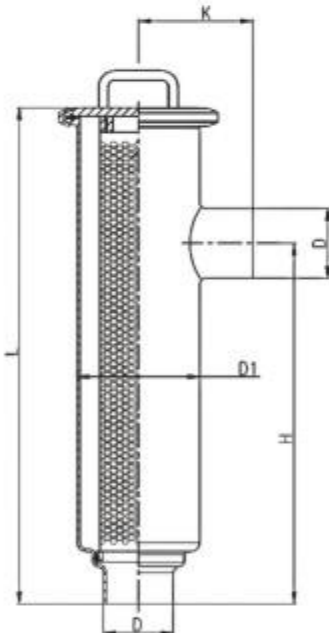
SIZE	L	H	D	D1	K
1"	356.7	261.7	50.5	76	88.7
1.5"	356.7	261.7	50.5	76	88.7
2"	381.7	276.7	64	89	101.7
2.5"	472.7	342.7	77.5	101.6	114.3
3"	522.7	377.5	91	114.3	127
4"	656	486	119	140	156

WELDED ANGLE FILTER



DIN

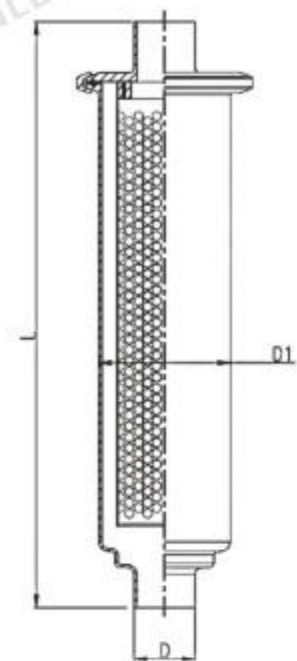
SIZE	L	H	D	D1	K
DN25	344	249	28	76	76
DN40	344	249	41	76	76
DN50	369	264	52	89	89
DN65	460	330	70	101.6	101.6
DN80	510	365	85	114.3	114.3
DN100	640	470	104	140	140



3A

SIZE	L	H	D	D1	K
1"	344	249	25.4	76	76
1.5"	344	249	38.1	76	76
2"	369	264	50.8	89	89
2.5"	460	330	63.5	101.6	101.6
3"	510	365	76.2	114.3	114.3
4"	640	470	101.6	140	140

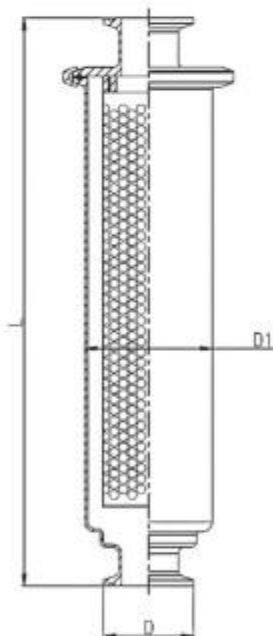
WELDED STRAIGHT FILTER



DIN

SIZE	L	D	D1
DN40	325	41	76.2
DN50	360	52	101.6
DN65	395	70	101.6
DN80	452	85	114.3
DN100	640	104	139.7

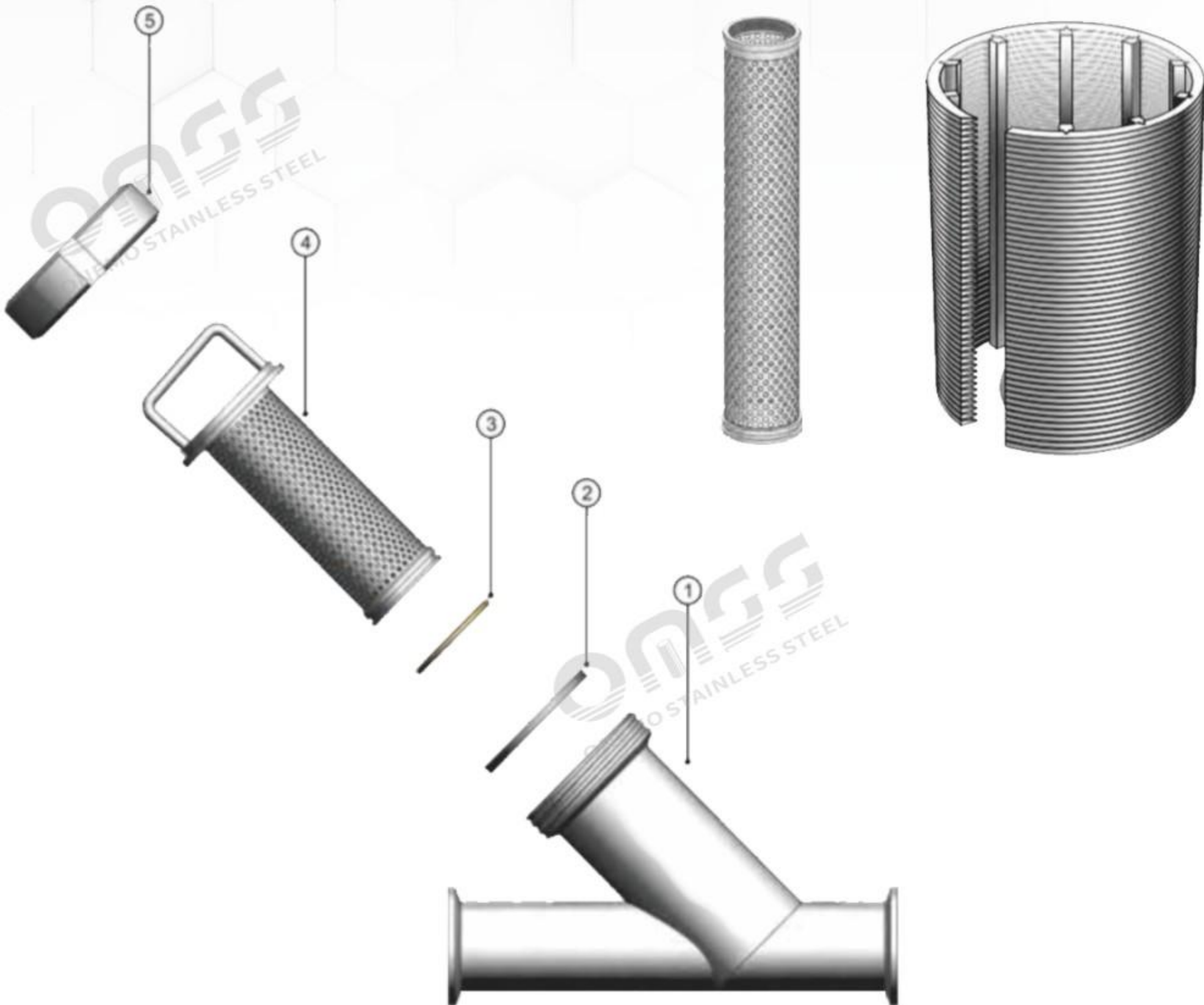
CLAMP STRAIGHT THROUGH THE FILTER



DIN

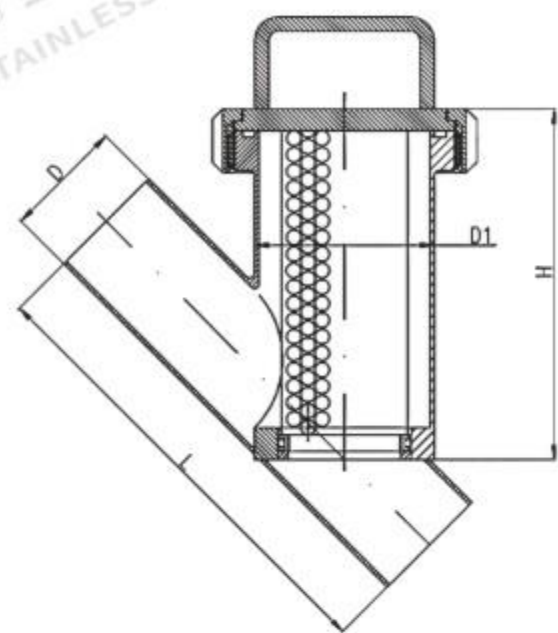
SIZE	L	D	D1
DN40	325	50.5	76.2
DN50	360	64	101.6
DN65	395	91	101.6
DN80	452	106	114.3
DN100	640	119	139.7

Y TYPE WELDED FILTER



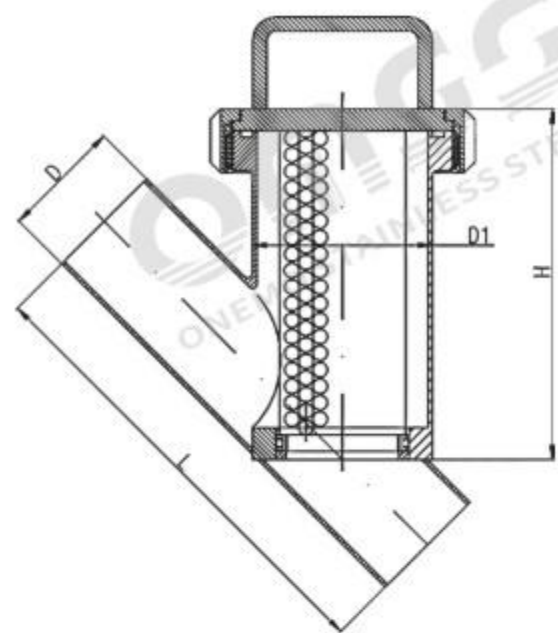
Item	Description	Material
1	Strainer Body	T316L
2	Union Seal	SILICONE/EPDM/VITON
3	Strainer Seal	SILICONE/EPDM/VITON
4	Strainer Element	T316L
5	Union Nut	T316L

Y TYPE WELDED FILTER



DIN

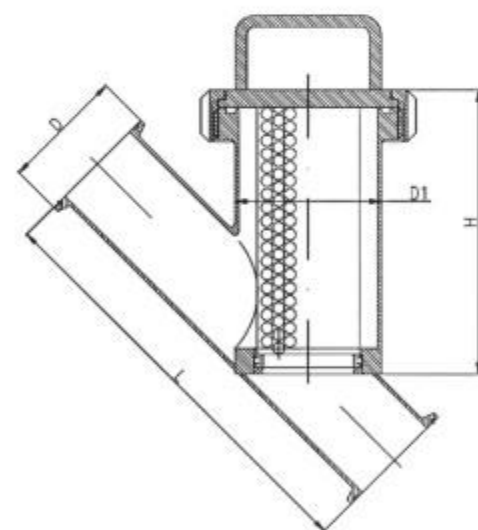
SIZE	L	H	D	D1
DN25	120	92	28	51
DN40	155	126	41	57
DN50	195	150	52	76.2
DN65	255	200	70	102
DN80	295	209	85	114.3
DN100	360	272	104	140



3A

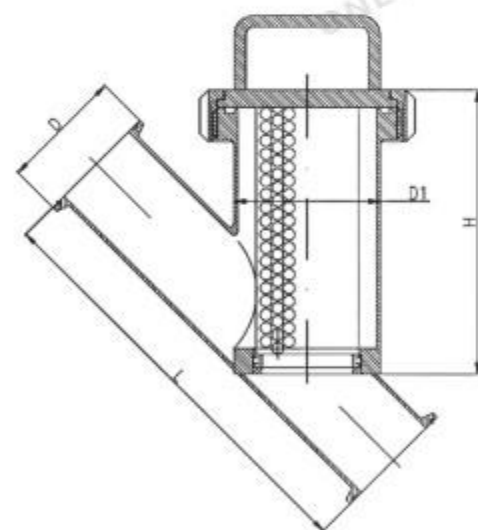
SIZE	L	H	D	D1
1"	115	92	25.4	38
1.5"	150	118	38.1	54
2"	195	150	50.8	76.2
2.5"	240	184	63.5	89
3"	280	209	76.2	114.3
4"	360	272	101.6	140

CLAMP Y TYPE FILTER



DIN

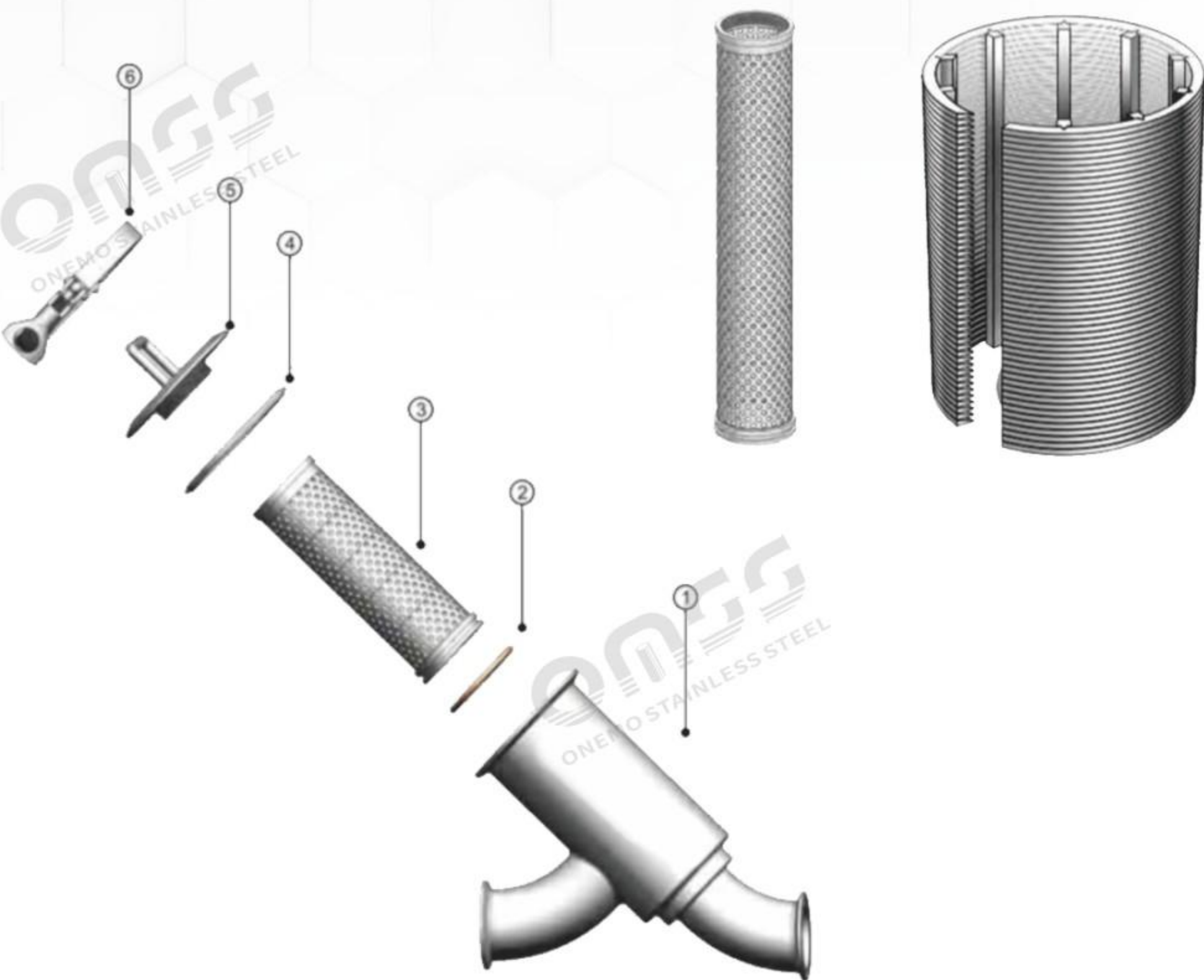
SIZE	L	H	D	D1
DN25	145	138	50.5	76
DN40	185	838	50.5	76
DN50	225	153	64	89
DN65	275	184	91	102
DN80	295	204	106	114.3
DN100	391	272	119	140



3A

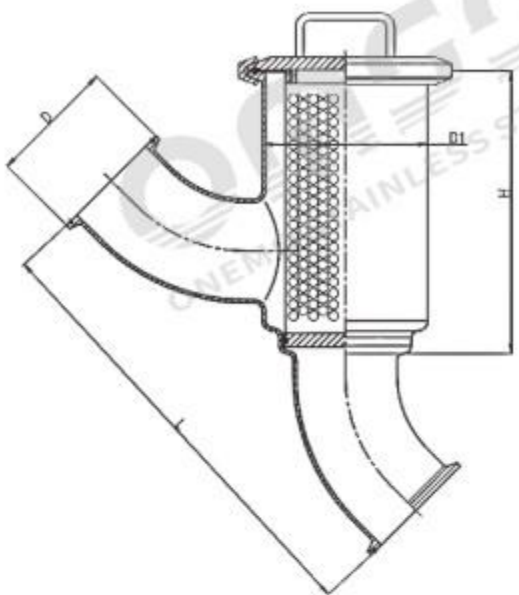
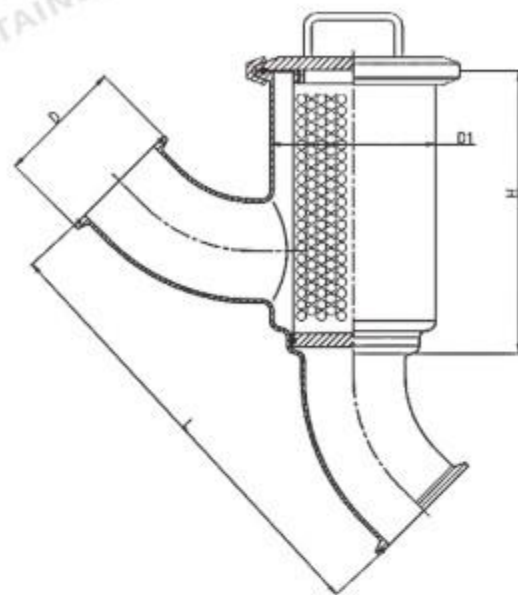
SIZE	L	H	D	D1
1"	140	92	50.5	38
1.5"	175	118	50.5	54
2"	220	150	64	76.2
2.5"	265	184	77.5	89
3"	305	209	91	114.3
4"	376	272	119	140

CLAMPED ELBOW Y-TYPE FILTER



Item	Description	Material
1	Strainer Body	T316L
2	Seal	SILICONE/EPDM/VITON
3	Strainer Element	T316L
4	Clamp Gasket	SILICONE/EPDM/VITON
5	Cap with Handle	T316L
6	Clamp	T304

CLAMPED ELBOW Y-TYPE FILTER



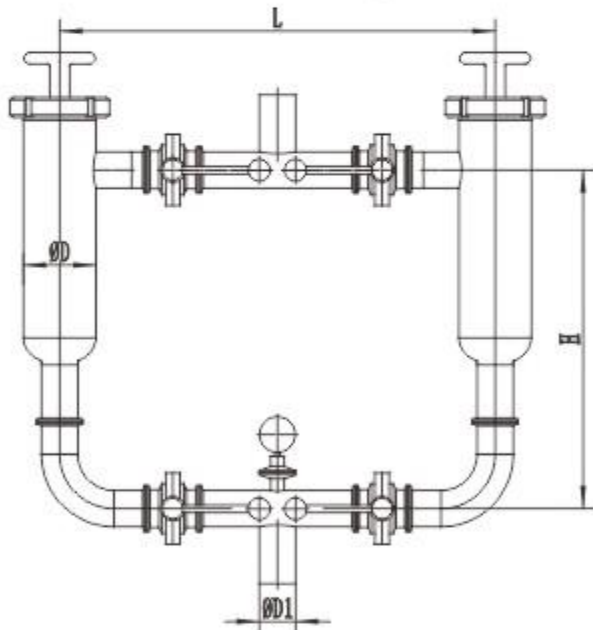
DIN

SIZE	L	H	D	D1
DN25	145	138	50.5	76
DN40	185	838	50.5	76
DN50	225	153	64	89
DN65	275	184	91	102
DN80	295	204	106	114.3
DN100	391	272	119	140

3A

SIZE	L	H	D	D1
1"	200	138	50.5	76
1.5"	185	138	50.5	76
2"	225	153	64	89
2.5"	275	173	77.5	102
3"	305	193	91	114.3
4"	391	258	119	140

DUPLEX STRANIER



DIN

SIZE	D1	D	L	H
DN40	41	85	450	392
DN50	53	85	538	422
DN65	70	102	570	545

3A

SIZE	D1	D	L	H
1 1/2"	38.1	85	450	392
2"	50.8	85	538	422
2 1/2"	63.5	102	570	545

SAMPLING VALVE



ASEPTIC SAMPLING VALVE

APPLICATIONS

•The aseptic sampling valves in the sanitary series must undergo sterilization in place (SIP) before and after each sampling operation. The materials are sealed directly by diaphragm sheets, so there are no dead corners and the sterilization is more thorough. It can perform continuous and aseptic sampling at any time. It is widely used in the industries of brewing, beverage, dairy food and biomedicine.

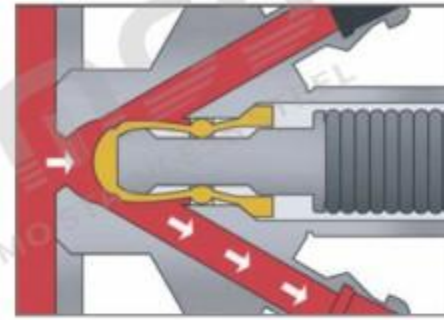
OPERATING PRINCIPLES

- The portable aseptic sampling valve is normally in a closed state. The valve seat, valve core, etc. can be sterilized through the left and right interfaces. When the handle is lifted upward, the valve opens and the fluid can flow out from the sampling port instantly. The handle can be removed (as needed) and its design fully meets the aseptic requirement during sampling.
- The manual-pneumatic integrated aseptic sampling valve is normally in a closed state. The valve can be opened manually or pneumatically. When the valve is opened, the valve stem and diaphragm sealing assembly will contract, allowing the liquid to pass through. Its design fully meets the aseptic requirement during sampling.

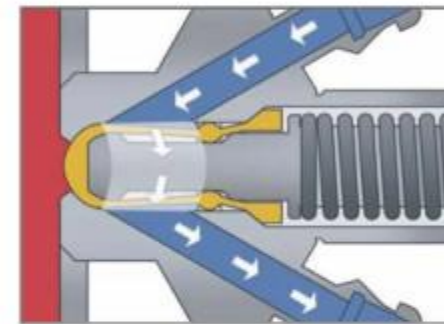


TECHNICAL DATA

- Pressure
Body: 304 / 306L
Other parts: 304 / 316L
Diaphragm: EPDM (standard)
Product pressure: maximum 6bar (86psi)
Available upon request 10bar.
- Temperature
Max. sterilization temperature, dry steam: 121-134°C .steam must be dry, because the condensate water will damage the diaphragm. Kindly suggestion for customer to replace the diaphragm after 100 times sampling and sterilization.



opening valve , sampling
operating structure



closing valve, sterilization
operating structure

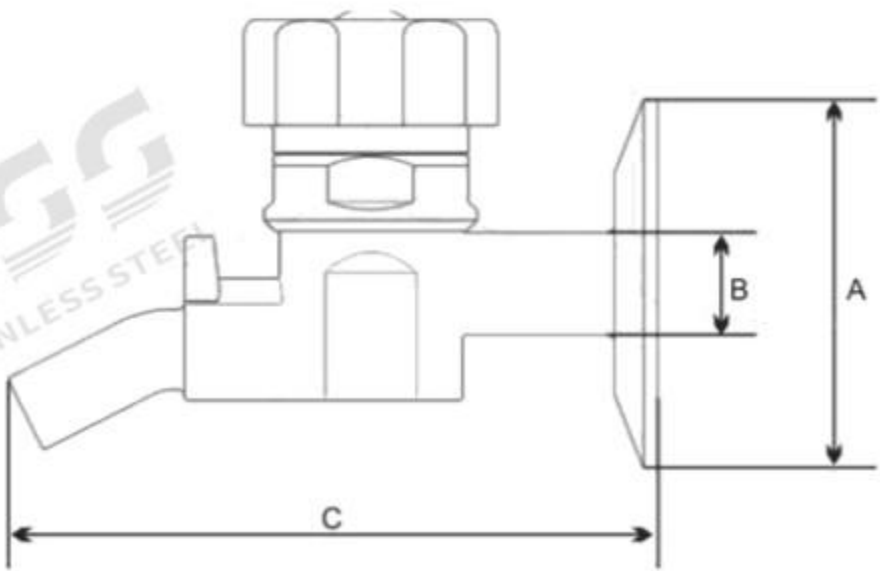
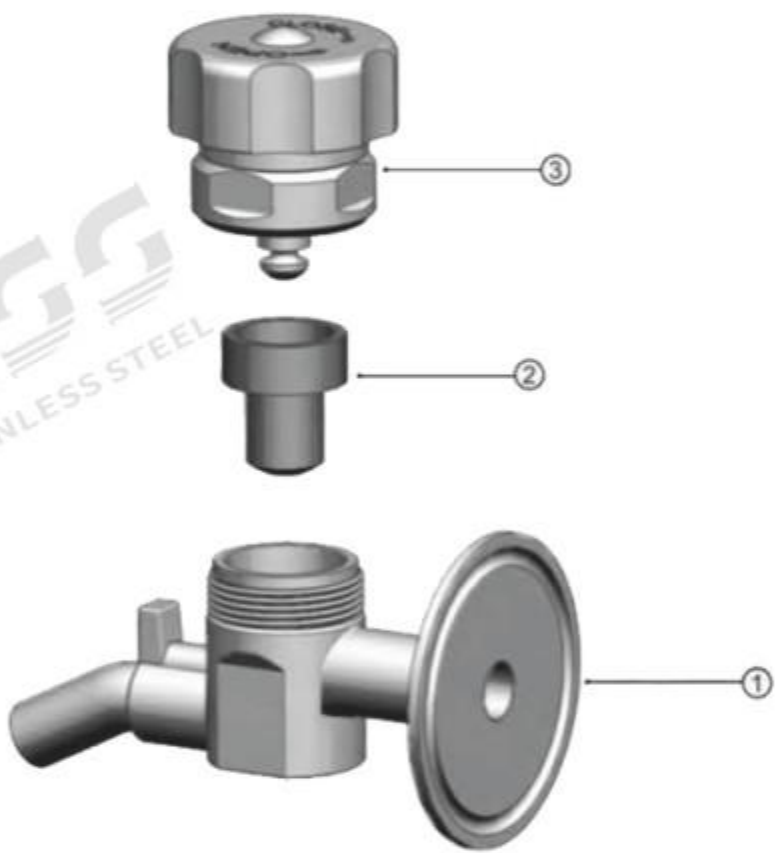
ASEPTIC SAMPLING VALVE



Features&Specifcations

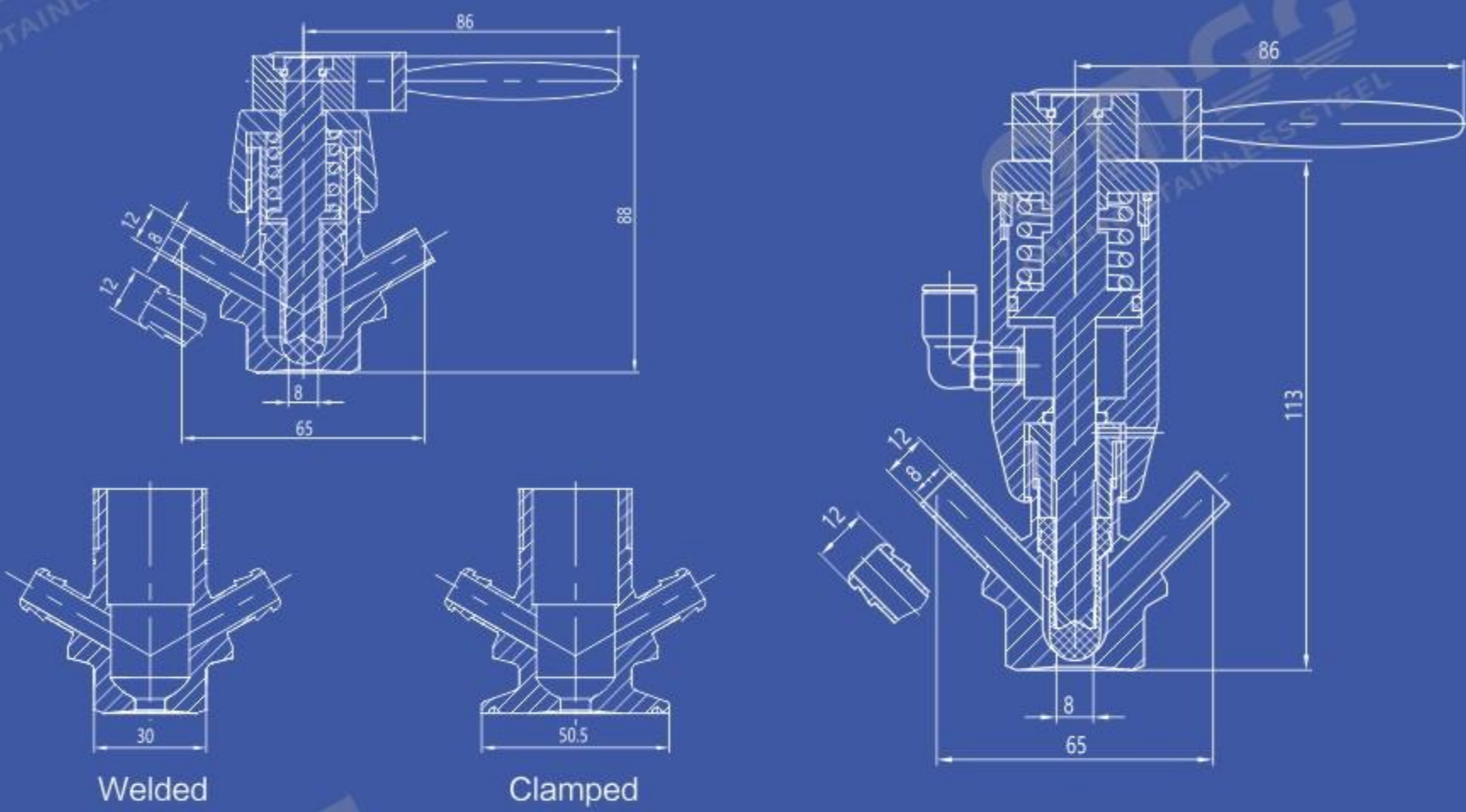
- Spiral bonnet
- Stainless bonnet
- Easy to operate, no cost of maintenance
- Serving thousands of brewing vessels
- 100% tested

Item	Description	Material
1	Valve body	T304
2	Seat	EPDM/SILICONE
3	Bonnet assembly	T304

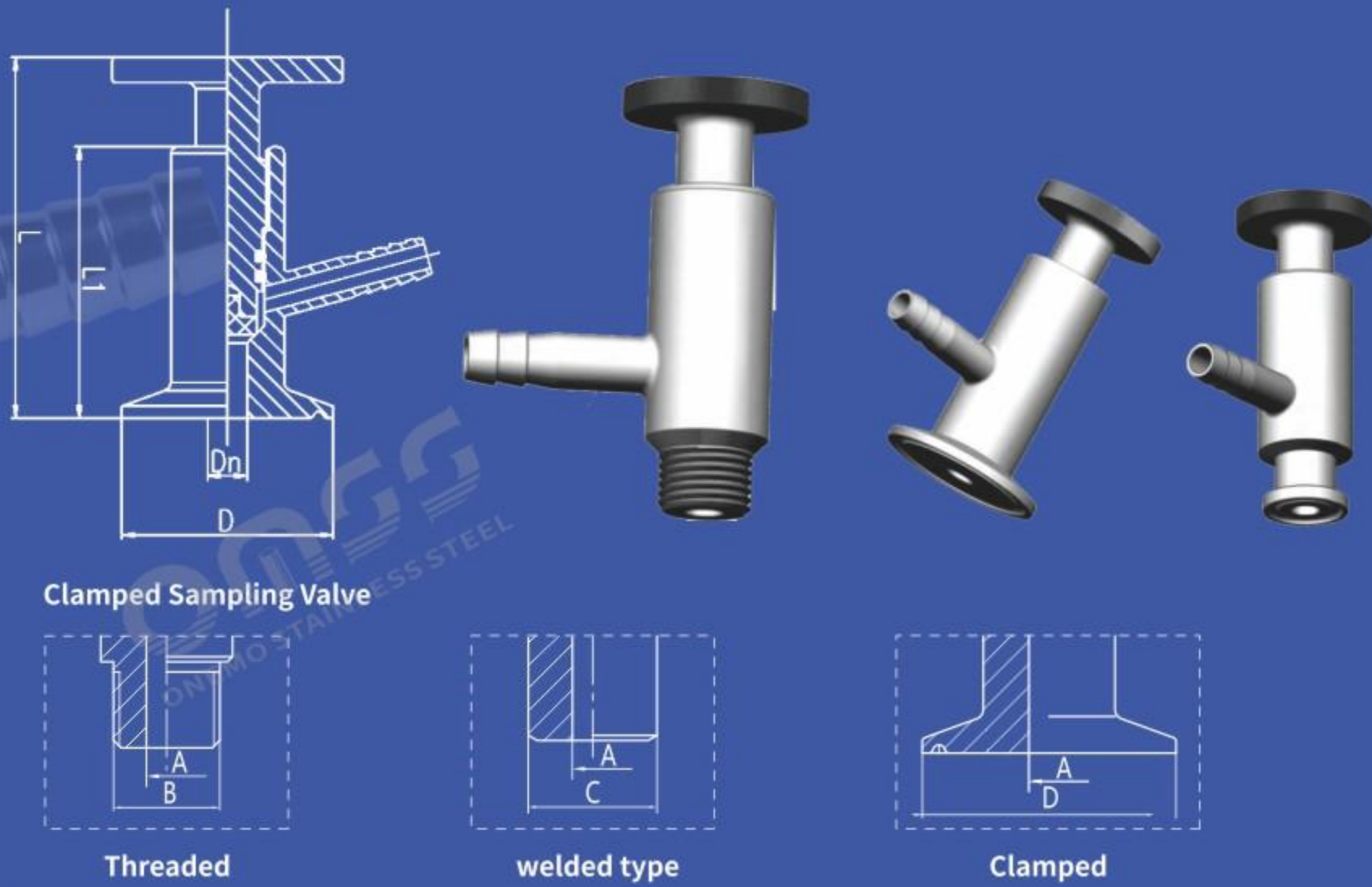


DIMENSIONS ARE IN "MM"			
Size	A	B	C
1-1/2"	50.5	9	92

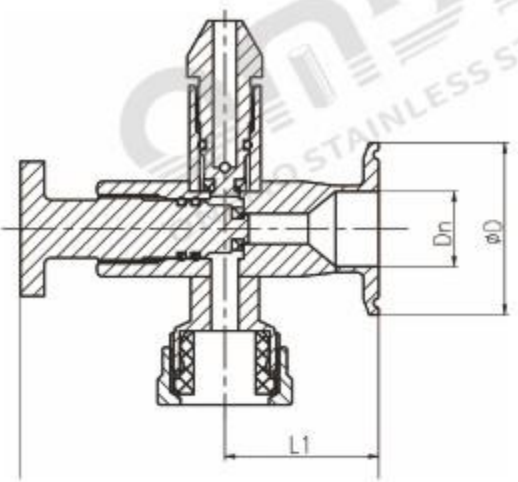
ASEPTIC SAMPLING VALVE DIMENSION



GENERAL SAMPLING VALVE SIZE

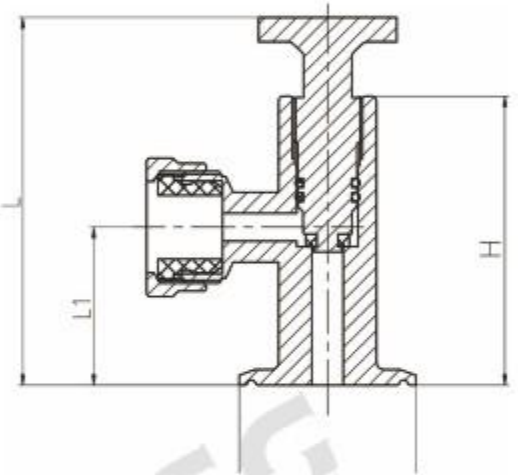


ASEPTIC SAMPLING VALVE DIMENSION



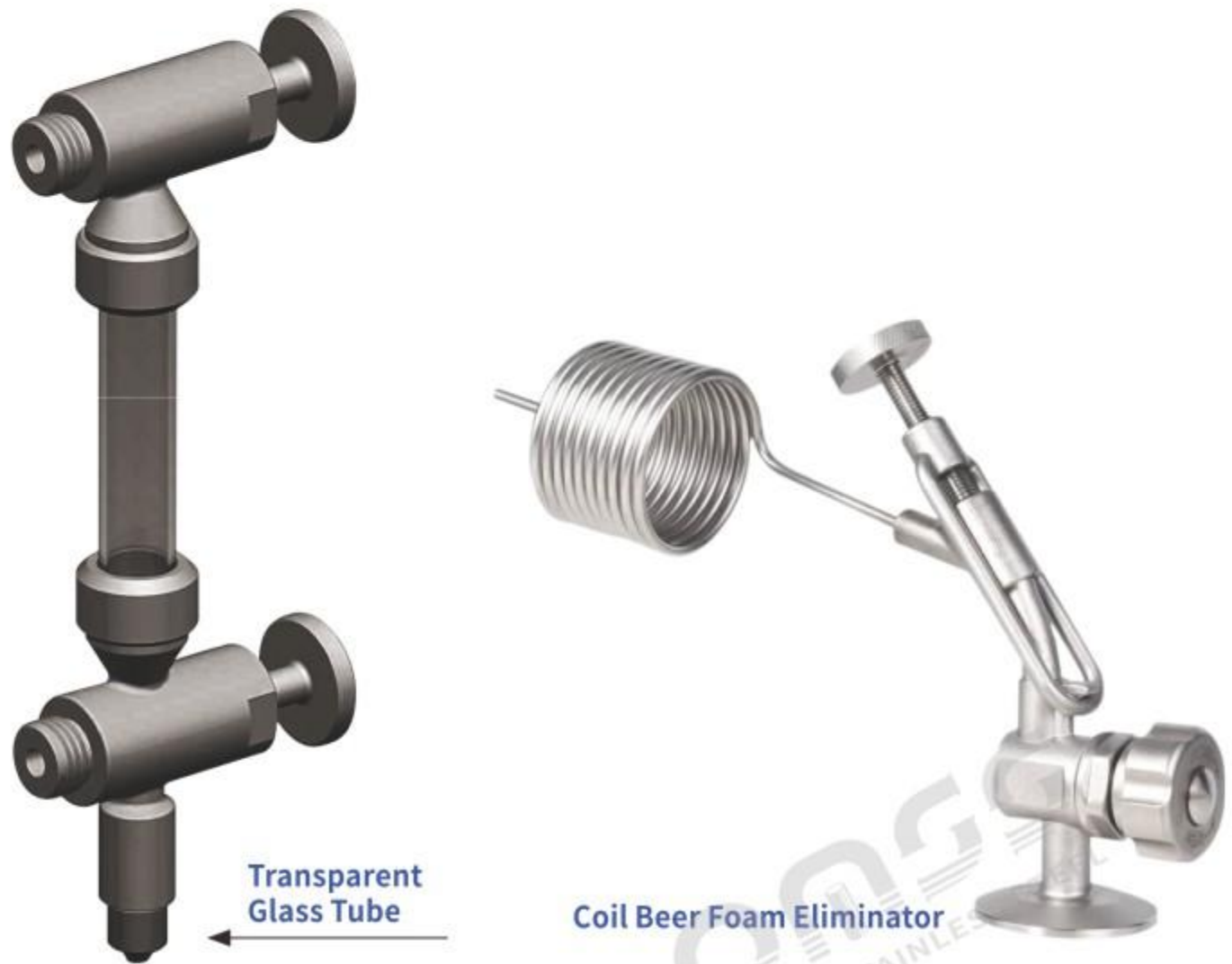
Clamped four-way level gauge

Size	L	L1	D	Dn
3/4"	105	45	25.4	15.8
1"	93	32	50.5	22.1



Clamped three-way Level Gauge

Size	L	L1	D	Dn
1.5"	108.5	45	50.5	84.5



SANITARY CLEANING BALL



SANITARY CLEANING BALL

APPLICATIONS

- Rotary cleaning ball: It is a kind of rotary spray head, which uses cleaning agent to comprehensively clean and spray the storage tank. Since this device uses less cleaning liquid at low pressure, it is an effective alternative to the traditional fixed spray ball. The rotary head adopts double-row ball bearings, which makes this series of cleaning balls suitable for all sanitary and industrial cleaning applications, including the cleaning tasks of all sanitary and industrial products such as storage tanks, reactors and containers.
- Fixed cleaning ball: It is a fixed spray ball used to clean storage tanks in the food and beverage industries. Fixed spray balls are used for less demanding cleaning tasks.

SPECIFICATIONS

- Weight: 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
- Connection: welded, clamped, threaded

OPERATING PRINCIPLES

- Rotary cleaning ball: The cleaning solution makes the sprayer rotary by its 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.

MATERIALS

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

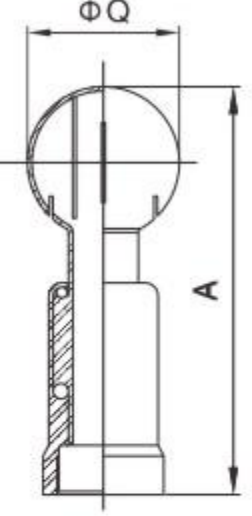
DESIGN STANDARD

- The cleaning ball series complies with production standards such as DIN, 3A, SMS, and ISO/IDF.



MANUAL STOP AND REVERSING VALVE

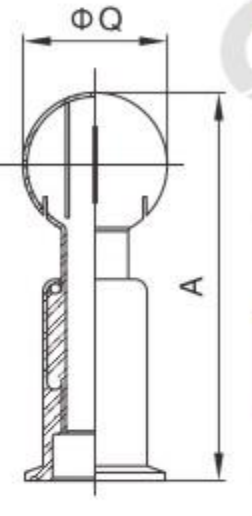
Threaded



Size	A	Q
1"	138.0	53.0
1 1/4"	160.0	53.0
1 1/2"	170.0	53.0
2"	185.0	76.0
2 1/2"	200.0	91.0

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

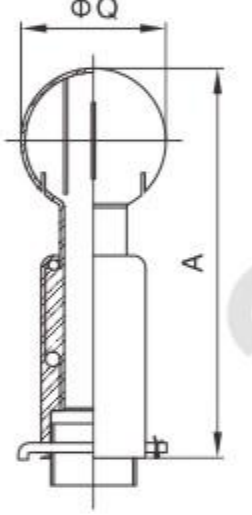
Clamped



Size	A	Q
1"	135.0	53.0
1 1/4"	138.0	53.0
1 1/2"	135.0	53.0
2"	168.0	63.0
2 1/2"	190.0	76.0

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

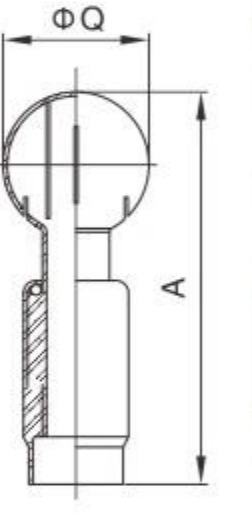
Bolted



Size	A	Q
1"	138.0	53.0
1 1/4"	138.0	53.0
1 1/2"	152.0	53.0
2"	168.0	63.0
2 1/2"	190.0	76.0

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

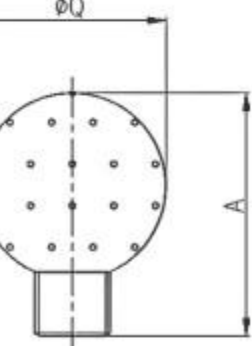


Size	A	Q
1"	138.0	53.0
1 1/4"	138.0	53.0
1 1/2"	138.0	53.0
2"	168.0	63.0
2 1/2"	190.0	76.0

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

FIXED CLEANING BALL

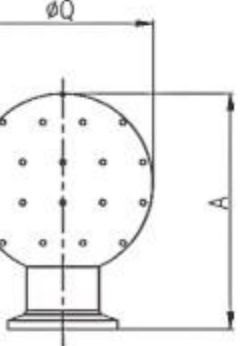
Threaded



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

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"	2.5	2.0~3.0	53/38
2 1/2"	3.5	3.0~3.5	58/41

Clamped

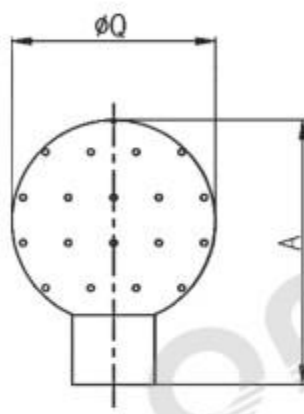


Size	A	Q
1"	88.0	63.0
1 1/4"	84.0	63.0
1 1/2"	84.0	63.0
2"	95.0	76.0
2 1/2"	115.0	100.0

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

FIXED CLEANING BALL

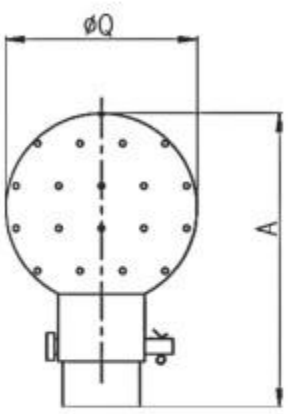
Welded



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

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

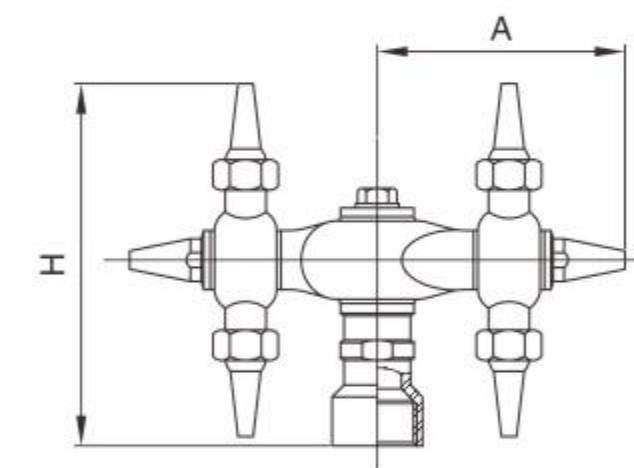
Bolted



Size	A	Q
1"	83.0	63.0
1 1/2"	84.0	63.0
2"	118.0	91.0
2 1/2"	135.0	100.0

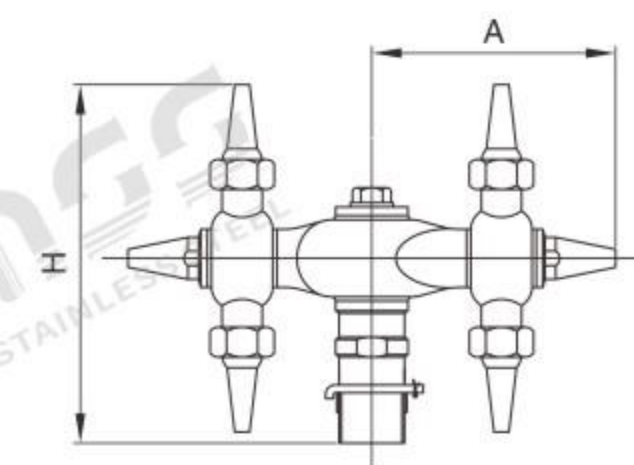
Size	Pressure (bar)	Cleaning radius (m)	360° /180° Fluxation m³/h
1"	2.5	1.0~1.25	17/10
1 1/4~1 1/2"	2.5	1.25~1.75	23/17
2"	3.5	2.0~3.0	55/38
2 1/2"	3.5	3.0~3.5	58/41

ROTARY CLEANER



Threaded

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 1/4~1 1/2"	142.0	189.0	1.8~2.5	2.5~3.0	38
2"	145.0	191.0	2.5~3.0	3.5~4.0	60



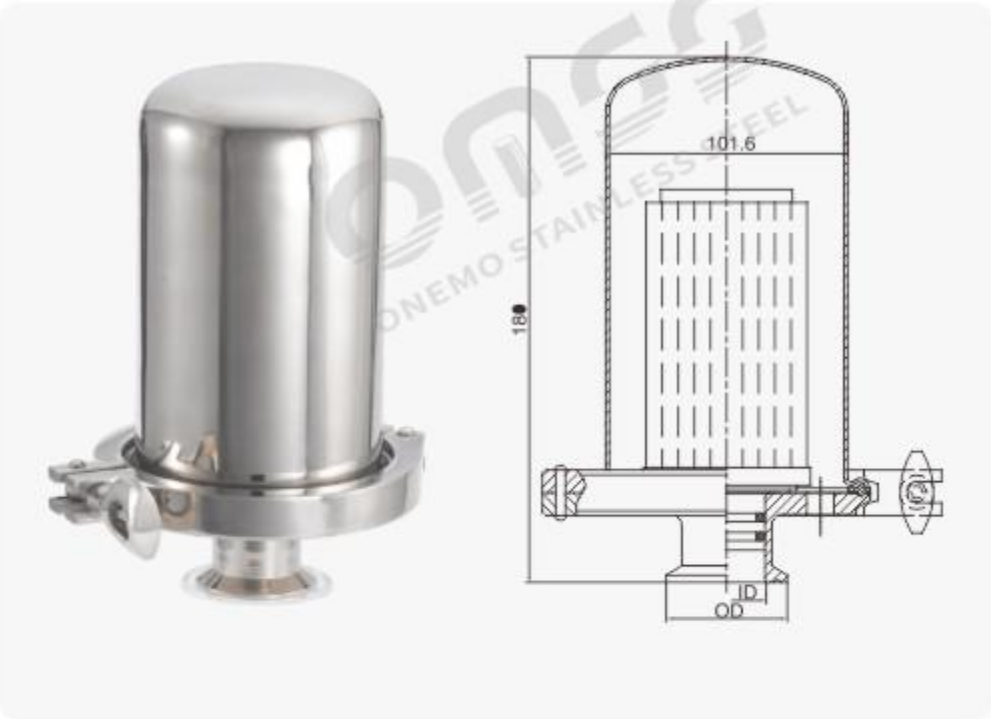
Bolted

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 1/4~1 1/2"	142.0	200.0	1.8~2.5	2.5~3.0	38
2"	145.0	205.0	2.5~3.0	3.5~4.0	60

REBREATHER
DRAINER

APPLICATIONS

- The principle is same as microporous filter. It can prevent the outside particulates coming into the storage tank due to the liquid level descends. It ensures the air purity in the tank.
- Housing material: 316L/304.
- Inner surface polish: $Ra \leq 0.4\mu m$
- Capacity: 0.75/min, 1.5/min, 3/min
- Connection ends: Clamped. Flanged



SIZE	ID	OD
1"	22	50.5
1 1/4"	29	50.5
1 1/2"	35	50.5
2"	48	64



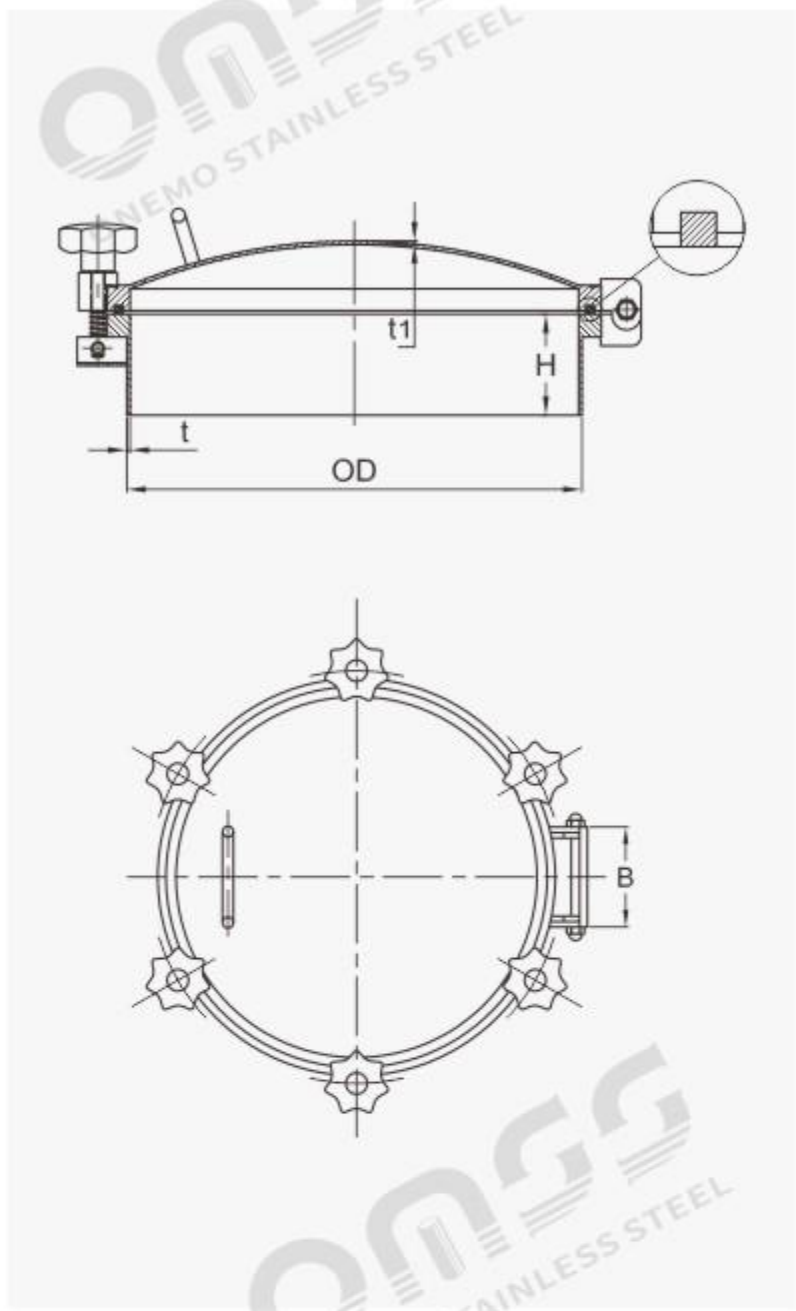
SIZE	A	D	D1
1"	80	25	130
1 1/2"	80	38	130
2"	100	51	195
2 1/2"	100	63	195
3"	130	76	230
4"	130	100	230



SANITARY
MANHOLE



SANITARY MANHOLE COVER



Round Outward Manhole With Pressure

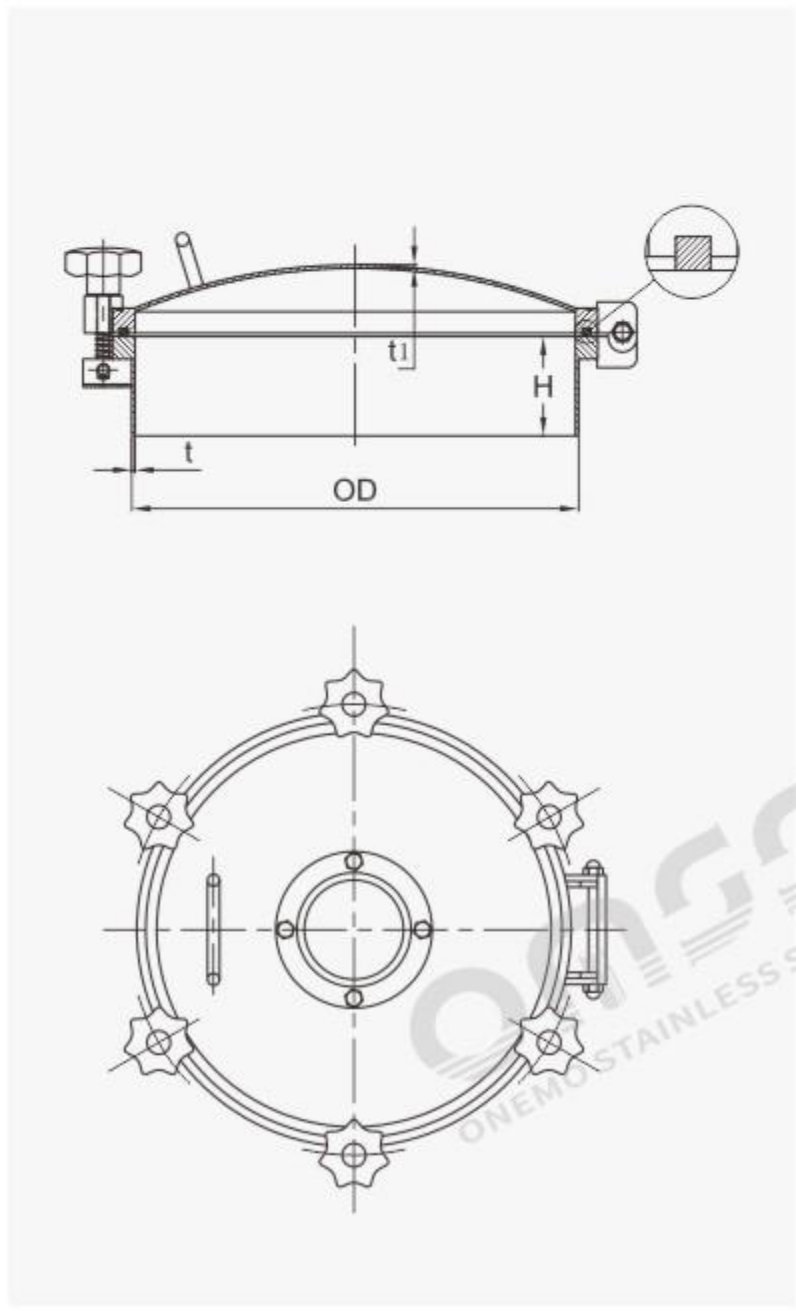
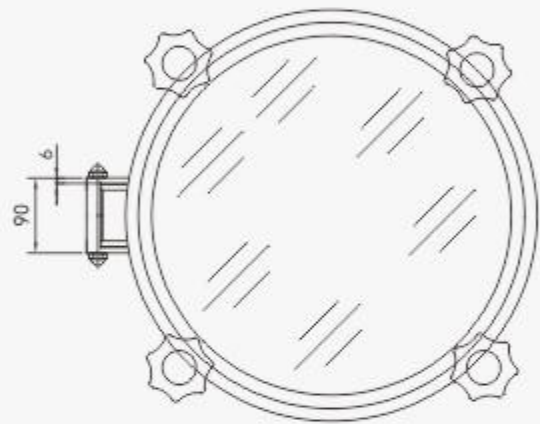
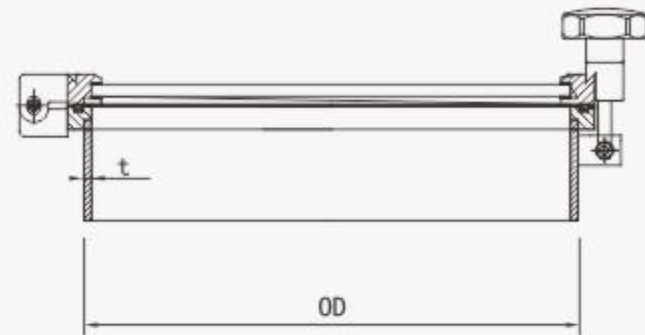
Size	OD mm	t mm	H mm	t1 mm	Handwheel-Num	Pres (Bar)
200	206	3	100	3	3	1-3
300	306	3	100	3	4	1-3
350	356	3	100	3	4	1-3
400	406	3	100	3	5	1-3
430	436	3	100	3	6	1-3
450	456	3	100	3	6	1-3
500	506	3	100	3	8	1-3
600	608	3	100	4	10	1-3

SANITARY MANHOLE COVER



Round Outward Manhole

Size	OD mm	t mm	H mm	t1 mm	Handwheel-Num	Pres (Bar)
300	306	3	100	8	4	1-3
350	356	3	100	8	4	1-3
400	406	3	100	8	5	1-3
450	456	3	100	8	6	1-3
500	506	3	100	10	8	1-3
600	608	4	100	12	10	1-3



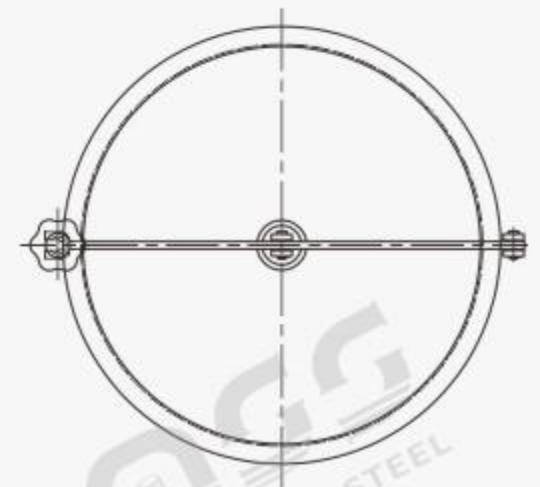
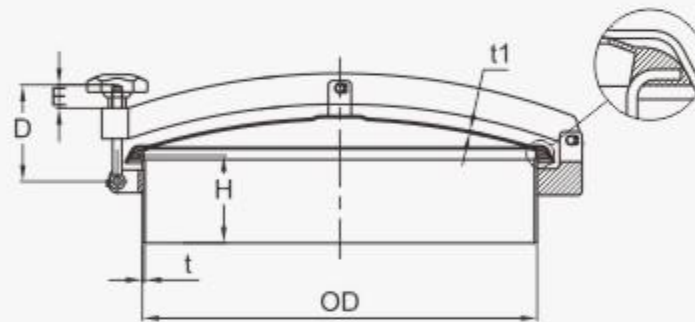
Round Outward Manhole With Sight Glass

Size	OD mm	t mm	H mm	t1 mm	Sight Glass	Pres (Bar)
200	206	3	100	3	DN80	1-3
300	306	3	100	3	DN80	1-3
350	356	3	100	3	DN80	1-3
400	406	3	100	3	DN80	1-3
430	436	3	100	3	DN80	1-3
450	456	3	100	3	DN80	1-3
500	508	4	100	3	DN100	1-3
600	608	4	100	4	DN100	1-3

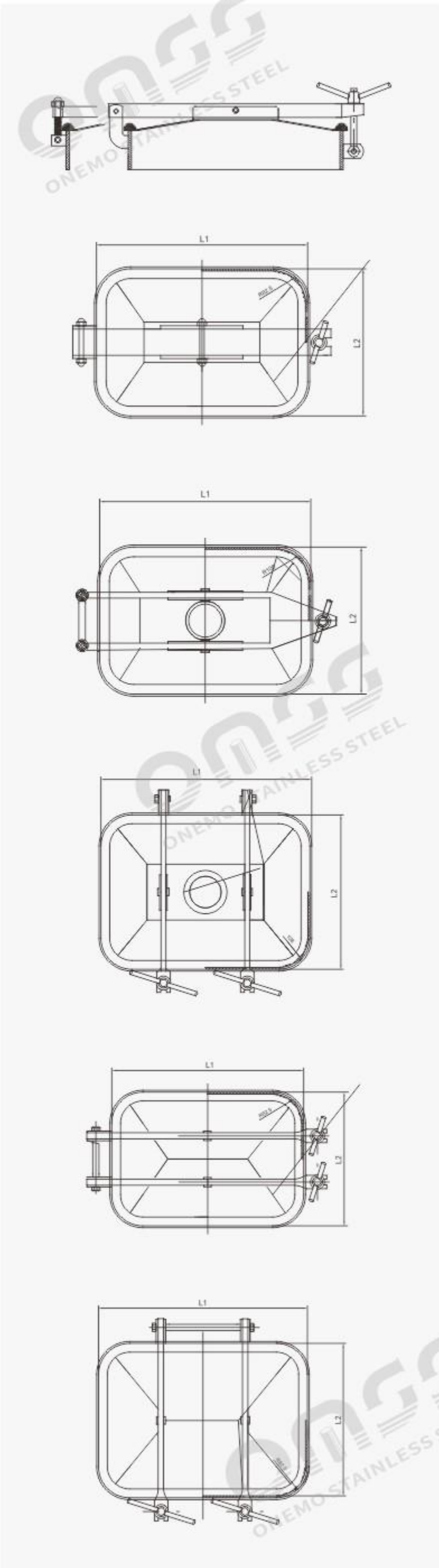


Round Outward Manhole

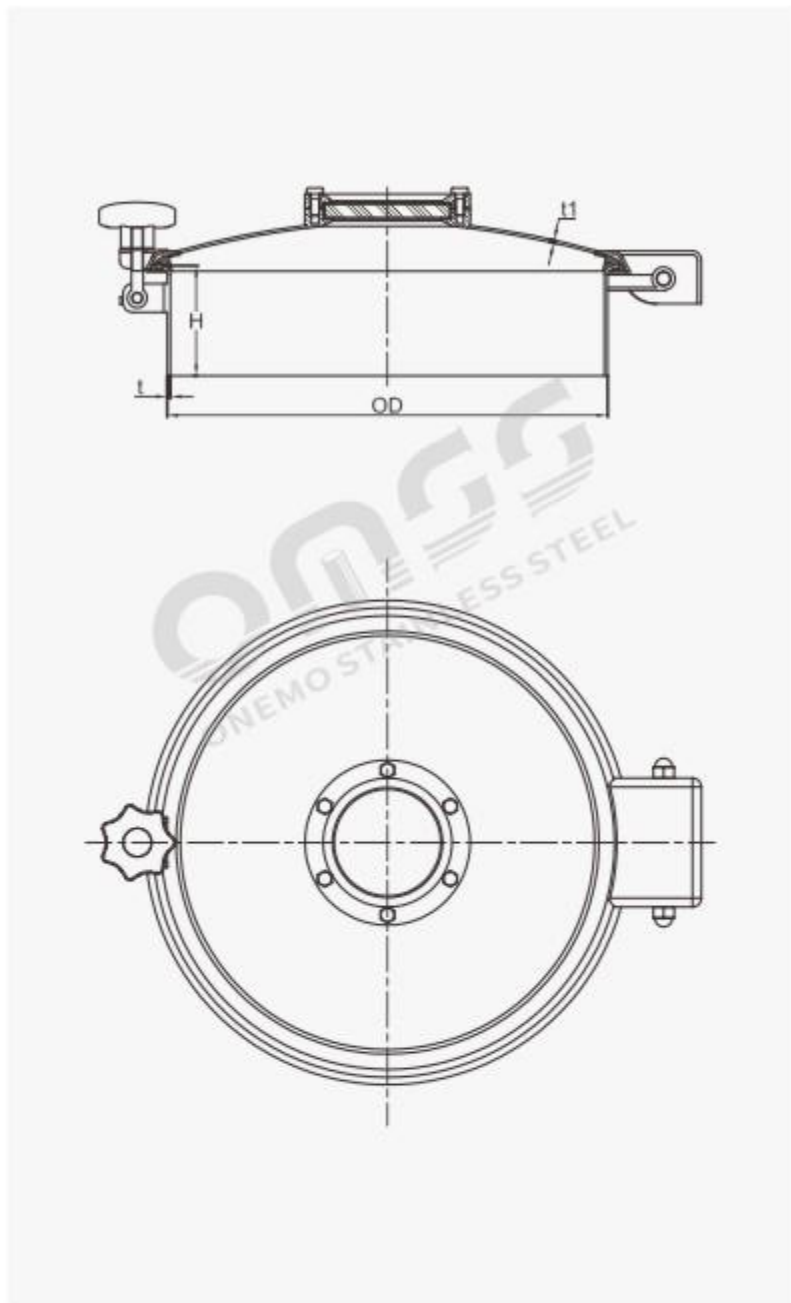
Size	OD mm	t mm	H mm	t1 mm	Pres (Bar)
200	200	2.5	100	2	0-0.1
219	219	2.5	100	2	0-0.1
300	300	2.5	100	2	0-0.1
350	350	2.5	100	2	0-0.1
400	400	3	100	2.5	0-0.1
430	430	3	100	2.5	0-0.1
450	450	3	100	2.5	0-0.1
500	500	3	100	2.5	0-0.1
600	600	4	100	3	0-0.1
420X300(Oval)	420X300	3	100	2.5	0-0.1



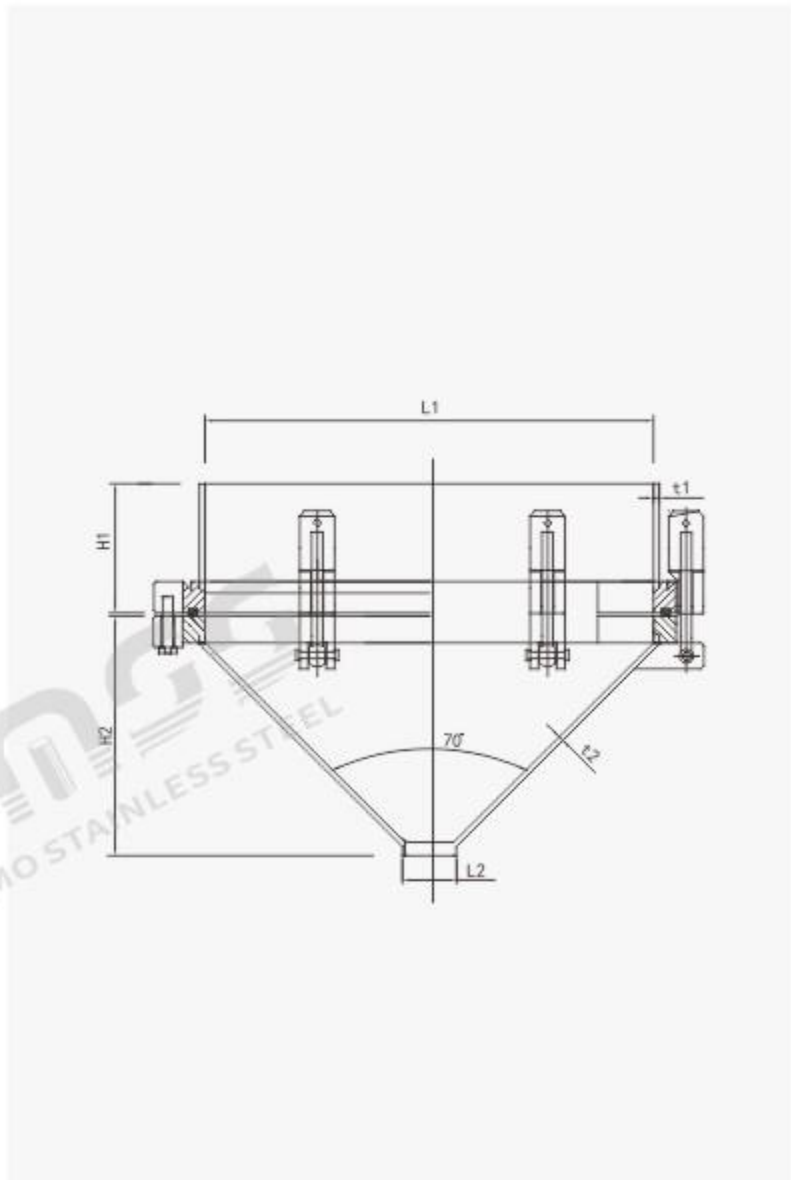
SANITARY MANHOLE
COVER



Rectangular Manhole With Two Intersectant Arms						
Size	OD mm L1•L2	t mm	H mm	t1 mm	Pres (Bar)	
245x190	235x185	4	60	1.5	1 - 3	
250x150	238x138	5	60	2	1 - 3	
290x230	280x220	5	60	2	1 - 3	
450x350	430x330	6	65	2	1 - 3	
450x350	435x335	8	65	2	1 - 3	
565x430	555x420	8	80	3	1 - 3	
720x520	700x500	12	100	3	1 - 3	



Round Manhole With Sight Glass						
Size	OD mm	t mm	H mm	t1 mm	Sight Glass	Pres (Bar)
350	355	2.5	100	2.5	DN80	0-0.1
400	406	3	100	3	DN100	0-0.1
450	456	3	100	3	DN150	0-0.1
500	506	3	100	3	DN200	0-0.1
600	606	3	100	3	DN400/500	0-0.1



Conical Bottom Pressure Manhole with Swing Bolts							
Size	OD L1 mm	OD L2 mm	t1 mm	t2 mm	H1 mm	H2 mm	Max Pres (Bar)
DN450	450	50.8	6	4	160	318	1 - 4
DN450	450	102	6	4	160	284	1 - 4



SANITARY MANHOLE COVER



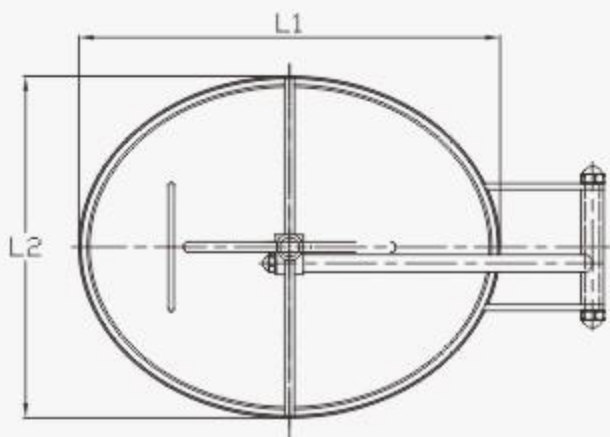
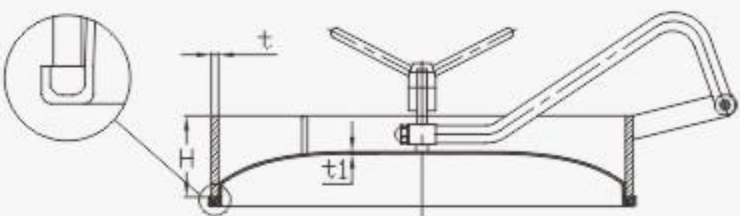
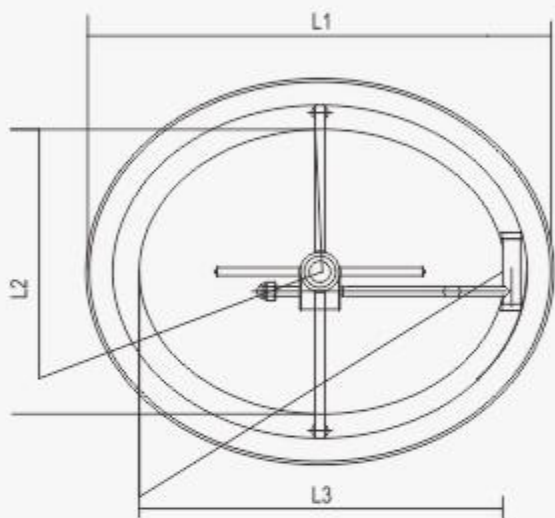
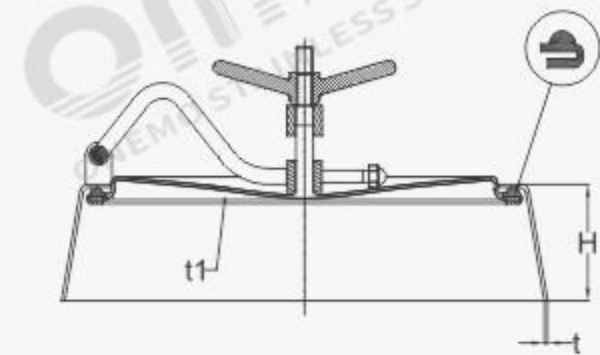
Oval Inward Manhole with Bevel Edge

Size L3	OD mm L1•L2	t1 mm	H mm	t mm	Pres (Bar)
445x345	550x450	4	80	5	1 - 3
445x345	565x465	4	100	5	1 - 3
445x345	580x480	4	133	5	1 - 3



Oval Inward Manhole

Size	OD mm L1•L2	t mm	H mm	t1 mm	Pres (Bar)
440x340	440x340	8	75	2	1 - 3
450x350	450x350	8	75	3	1 - 3
526x426	526x426	10	75	3	1 - 3
530x430	530x430	12	75	3	1 - 3
635x525	635x525	12	80	3.5	1 - 3



SANITARY PUMP



CENTRIFUGAL PUMPS

APPLICATIONS

- The centrifugal pump is manufactured in stainless steel and with a hrouded motor.
- Its sanitary and cost-efficient design makes it perfect for the dairies, beverages, food-processing, pharmaceutical and fine chemicals industries.

OPERATING PRINCIPLES

- Housed inside the casing, the impeller rotates in conjunction with the pump shaft. With this arrangement, the impeller blades convey energy to the fluid in the form of kinetic energy and pressure energy.This pump is not reversible by simple reversal of the direction of rotation. The direction of rotation is clockwise when the pump is viewed from the rear side of the motor.

DESIGN AND FEATURES

- Casing manufactured with cold-formed plate. Open impeller and close impeller manufactured with stainless steel investment casting. Adjustable stainless steel legs. Pump designed according to 3A sanitary standards. IEC NEMA B34 motors, IP 55, F-class insulation,50HZ,60HZ

TECHNICAL SPECIFICATIONS

- Max. flow: 130 m3/h
- Max. head: 70H(m)
- Max. temperature: 120 °C/ 248°F
- Max. rev.: 3600 min-1
- Certificate:3A-02-10/NO.1597, FDA.177.2600

CENTRIFUGAL PUMPS

OPTIONS

- Mechanical seal in: C/St.S and SiC/SiC
- Gaskets in :FPM (Viton)and PTFE
- Connections: Clamp,thread,flange,DIN,SMS,RJT,IDF
- Motor 2900, 1450,3600 rev./min., 50HZ,60HZ
- Single mechanical seal(standard)
- Flushed couble mechanical seal(Options)

MATERIALS

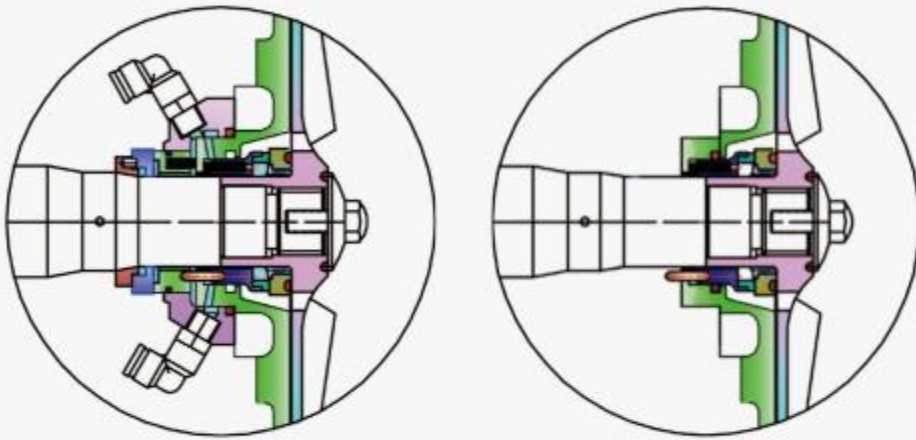
- Parts in contact with pumped media: AISI 316L/AISI304
- Gaskets (standard): EPDM (FDA)
- Mechanical seal (standard): C/SiC/EPDM
- Inside surface finishing: Ra≤0.8 um
- Outside surface finishing: Sandblast or Mirror Polish

Motor the IEC EN IE2 (Equivalent to China two energy efficiency),PTC thermistor

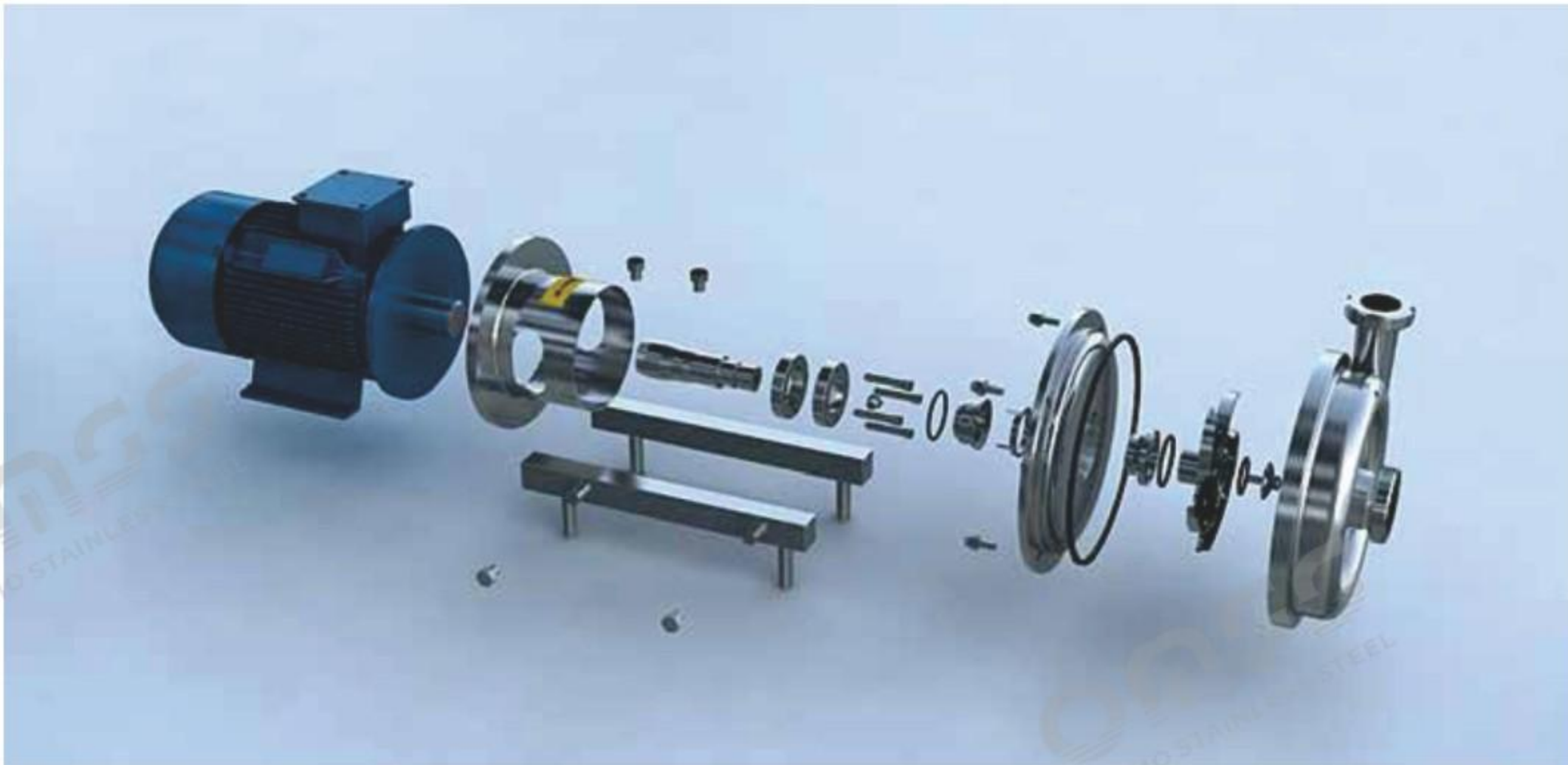
WIDE INPUT RANGE MOTOR

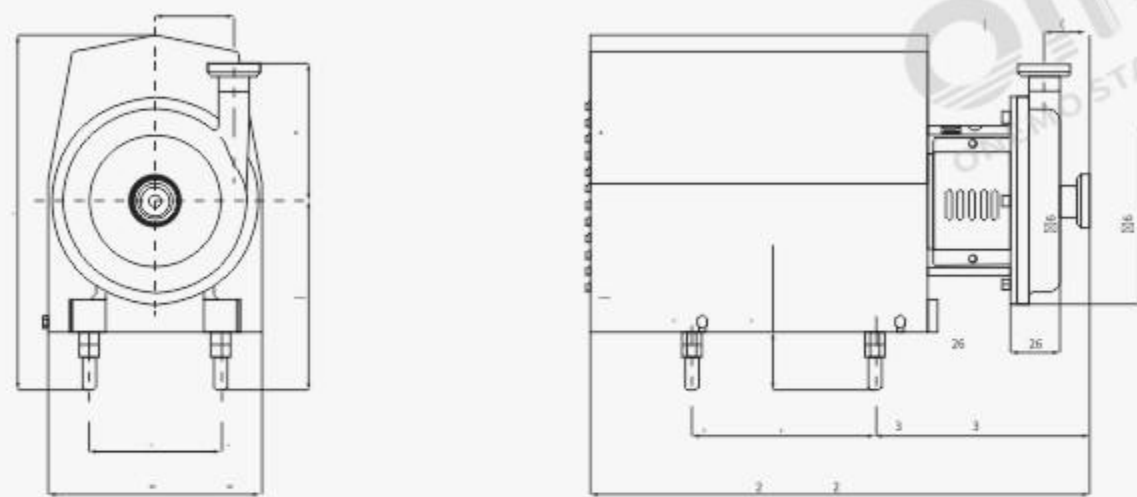
Power (KW)	Voltage	Power (KW)	Voltage
0.55		4	
0.75		5.5	
1.1	210V~230V/50HZ	7.5	360V~400V/50HZ
1.5	360V~400V/50HZ	11	630V~690V/50HZ
2.2	420V~460V/60HZ	15	420V~460V/60HZ
3		18.5	
		30	

Please contact DGEDONG for any other voltage or frequency of motor.



Flushed double mechanical seal Single mechanical seal





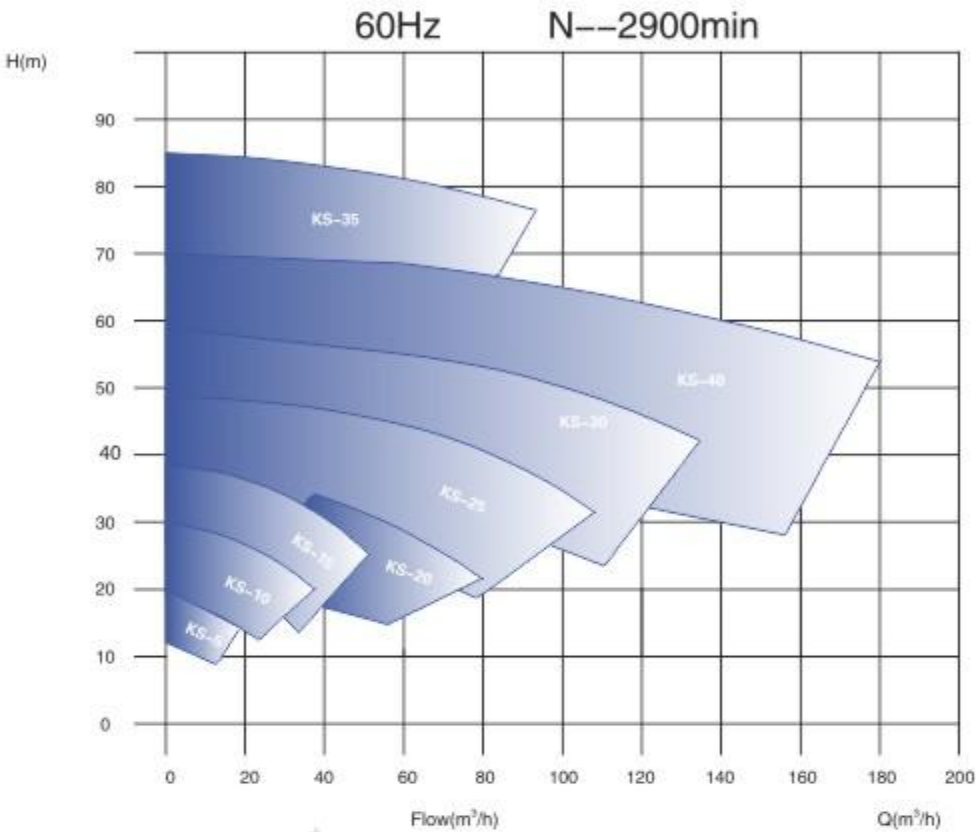
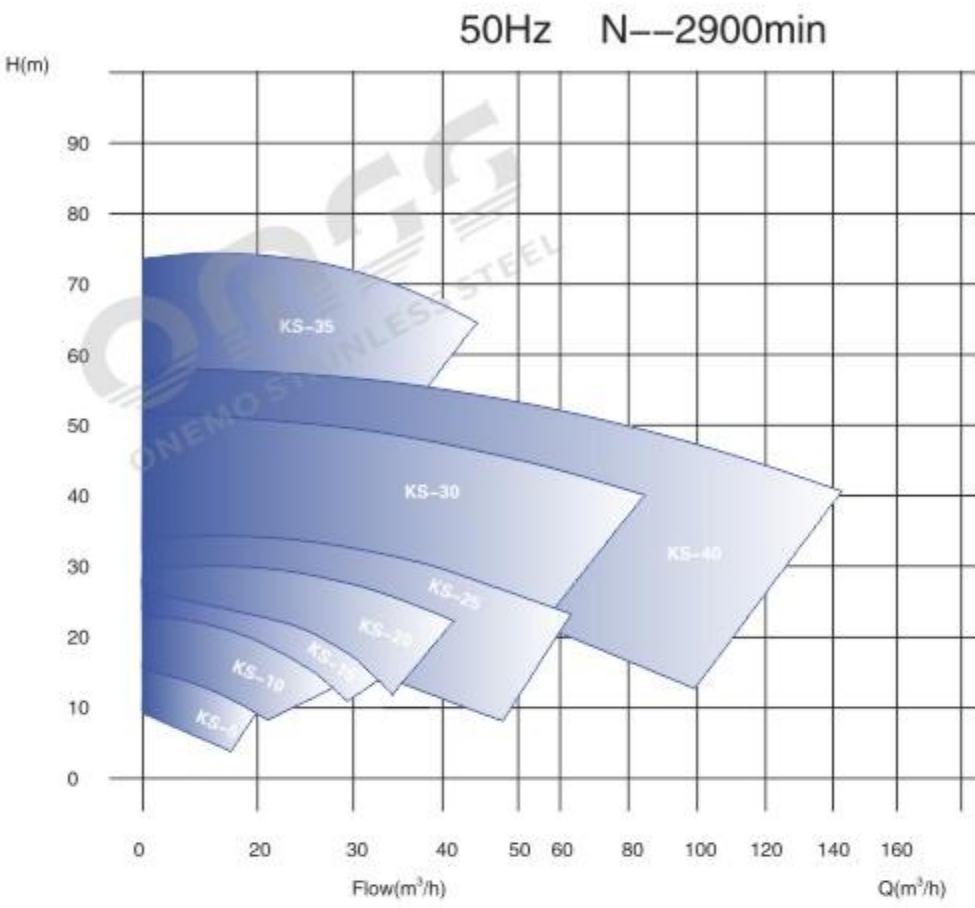
Centrifugal Pump Open Impeller Series

Modes	Pump Dimension						Assembly Dimension											3A	
	Power (kw)	Inlet d" /DN	Outlet d" /DN	ΦP	Lp	Mechanical seal size	A	B	C	D	M	F	G	H	L	W	C	H	
KSCP-5	0.75	1.5" /32	1.5" /32	189	50	Φ32	63	56.5	200	136	169	203	125	370	452	210	232	402	
	0.75	1.5" /32	1.5" /32	189	50	Φ32													
	1.1	1.5" /32	1.5" /32	189	50	Φ32													
	1.5	1.5" /40	1.5" /40	189	50	Φ32													
KSCP-10	2.2	1.5" /40	1.5" /40	189	50	Φ32	95.6	44	190	155	162	240	140	360	492	210	222	392	
	1.5	2" /50	1.5" /40	250	61	Φ32													
	2.2	2" /50	1.5" /40	250	61	Φ32													
	3	2" /50	2" /50	250	74.5	Φ32													
KSCP-15	4	2" /50	2" /50	250	74.5	Φ32	90.2	45	222	155	171	300	160	430	592	260	262	462	
	5.5	2.5" /65	2" /50	250	74.5	Φ32													
	3	2" /50	1.5" /40	268	57	Φ32													
	4	2" /50	1.5" /40	268	57	Φ32													
KSCP-20	5.5	2.5" /65	2" /50	250	74.5	Φ32	108	60	242	158	181	300	216	430	590	260	254	462	
	7.5	2.5" /65	2" /50	268	57	Φ32													
	7.5	2.5" /65	1.5" /40	350	86.5	Φ36													
	11	2.5" /65	1.5" /40	350	86.5	Φ36													
KSCP-25	15	2.5" /65	2" /50	350	86.5	Φ36	131	76	290	229	234	450	254	575	871	375	322	607	
	11	2.5" /65	2.5" /65	303	90	Φ36													
	15	3" /80	2.5" /50	303	90	Φ36													
	18.5	3" /80	2.5" /65	303	90	Φ36													
KSCP-30	22	3" /80	2.5" /65	303	90	Φ36	105	83.5	290	214	234	450	254	575	921	375	322	607	
	11	2.5" /65	2.5" /65	303	90	Φ36													
	15	3" /80	2.5" /50	303	90	Φ36													
	18.5	3" /80	2.5" /65	303	90	Φ36													

Attention: Please refer to selection table for details of nest page, The size in the following form is the reference value, the actual size is according to practicality.



MODEL INSTRUCTION OF CENTRIFUGAL PUMP



Centrifugal pump
Scp series pump and motor configuration

	Model	Flow	Lift	Power	Inlet/Outlet	Motor Option
1	KSCP-1.5-14	1.5 T	14 M	0.55KW	38/32	ABB Motor SIENMENS Motor
2	KSCP-3-16	3 T	16 M	0.75KW	38/38	
3	KSCP-5-16	5 T	16 M	1.1KW	38/38	
4	KSCP-3-24	3 T	24 M	1.5KW	51/38	
5	KSCP-3-30	3 T	30 M	2.2KW	51/38	
6	KSCP-5-24	5 T	24 M	1.5KW	51/38	
7	KSCP-5-30	5 T	32 M	2.2KW	51/38	
8	KSCP-10-24	10 T	24 M	2.2KW	51/38	
9	KSCP-10-36	10 T	36 M	3KW	51/38	
10	KSCP-15-24	15 T	24 M	3KW	51/51	
11	KSCP-20-24	20 T	24 M	4KW	51/51	
12	KSCP-20-36	20 T	36 M	5.5KW	51/51	
13	KSCP-25-35	25 T	35 M	5.5KW	51/51	
14	KSCP-30-24	30 T	24 M	5.5KW	63/51	
15	KSCP-30-36	30 T	36 M	7.5KW	63/51	
16	KSCP-40-24	40 T	24 M	7.5KW	63/51	
17	KSCP-20-60	20 T	60 M	11KW	63/51	
18	KSCP-30-50	30 T	50 M	11KW	63/63	
19	KSCP-40-35	40 T	35 M	11KW	63/63	
20	KSCP-40-50	40 T	50 M	15KW	76/63	
21	KSCP-60-30	60 T	30 M	15KW	76/63	
22	KSCP-30-60	30 T	60 M	15KW	76/51	
23	KSCP-50-50	50T	50M	18.5KM	76/63	
24	KSCP-80-50	80T	50M	22KM	89/76	

CENTRIFUGAL PUMPS

CENTRIFUGAL PUMP

- BS Series centrifugal pump is designed with close impeller,widely used in dairies, beverage, food-processing industry.
- The correct direction of rotation of this pump is clockwise, it is not .
- The direction of rotation can be viewed from motor.

TECHNICAL SPECIFICATIONS

- Max.Flow:130m³/h
- Max.Head:100H(M)
- Max.rev:3600Min-1
- Max.working temperature:120°C /248 °F(CIP/SIP)
- Material in contacting with products:SS304/316
- Other parts:SS304
- Mechanical seal:SIC/SIC/EPDM(standard)
- Surface finish:Mirror or satin polish
- Inlet & Outlet: Connection Clamp (Standard)

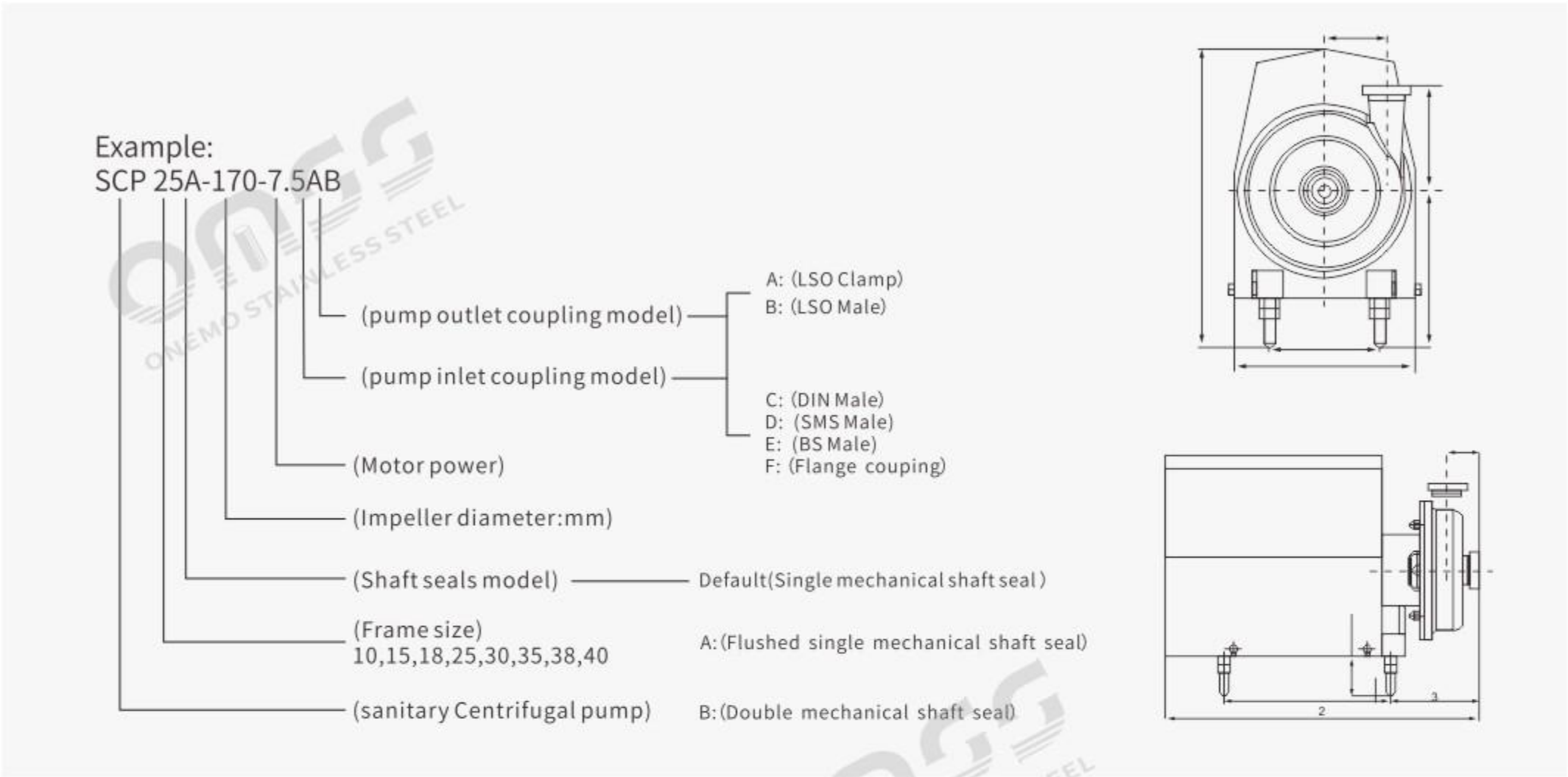
Motor the IEC EN IE2 (Equivalent to China two energy efficiency),PTC thermistor

Wide input range motor

Power (KW)	Voltage	Power (KW)	Voltage
0.55	210V~230V/50HZ	4	360V~400V/50HZ
0.75		5.5	
1.1		7.5	
1.5	360V~400V/50HZ	11	630V~690V/50HZ
2.2	420V~460V/60HZ	15	420V~460V/60HZ
3		18.5	
		30	

CENTRIFUGAL PUMPS

Sanitary type Pump Model explanation



Attention: Please refer to selection table for details of nest page, The size in the following form is the reference value, the actual size is according to practicality.

Model	Pump Dimension						Assembly Dimension										3A	
	Power (KW)	Inlet d"/DN	Outlet d"/DN	φ p	Lp	Mechanical seal size	A	B	C	D	M	F	G	H	L	W	C	M
BSCP-2	0.75	1.5"/32	1.5"/32	174	68	22	56	51	200	136	162	203	125	370	449	210	212	402
	1.1	1.5"/32	1.5"/32	174	68	22	56	51	200	136	162	203	125	370	449	210	212	402
BSCP-4	1.5	1.5"/32	1.5"/40	215	75	22	76	59	190	151	174	240	140	360	514	210	222	392
	2.2	2"/50	1.5"/40	215	72	22	76	59	190	142	174	300	140	360	514	210	222	392
BSCP-6	2.2	2"/50	1.5"/40	234	83	22	86	70	190	173	188	300	160	420	528	260	242	452
	3	2"/50	1.5"/40	234	83	22	86	70	230	173	180	300	160	420	579	260	242	452
BSCP-8	3	2"/50	2"/50	243	85	22	86	70	230	173	180	300	190	430	579	260	244	462
BSCP-10	4	2"/50	2"/50	243	85	22	86	70	222	173	187	300	190	430	606	260	244	462
BSCP-12	5.5	2"/50	2"/50	243	85	22	86	70	242	167	216	330	216	460	680	310	274	492
	7.5	2.2"/65	2"/50	243	85	22	86	70	242	167	216	330	216	460	680	310	274	492

OPTIONS

- Low discharge in the pump head:Diaphragm valve/ball valve/butterfly valve
- Mechanical seal:C/SIC/EPDM
- Connection way of Inlet&Outlet:Thread,Weld,Flange

SELF-PRIMING PUMP (CIP PUMP)

APPLICATIONS

- The pump is a sanitary side channel self priming pump, it's suitable for food processing, pharmacy and chemical industry.
- It is specially designed for pumping materials containing air or gas, and it can also be used for negative suction with prior priming as well as with filtration equipment.
- It can be used with wine, oil, syrups, volatile products such as alcohol, acetone and other solvents, or with products at temperatures close to boiling point. However, the main use of this pump is for CIP return.

TECHNICAL SPECIFICATIONS

- Max.flow:30m³/h / 132 GPM
- Max.head:40 H(M)
- Max.pressure:3Bar/ 43 PSI
- Max.operating temp.:120°C/ 248
- Max. rev.:1750 min
- Max.suction height:8m / 22 ft

OPTIONS

- Mechanical seal in SiC/SiC
- Gaskets in FPM(Viton) and PTFE
- Inlet & outlet connections: Clamp,Thread,Flange,DIN, SMS,3A,RJT

Motor type: B35, Motor frequency 50HZ/60HZ.
Motor power(KW) refer to table below:

Power(kW)	Voltage	Power(kW)	Voltage
0.75		4	
1.1	210V~230V/50HZ	4.5	360V~400V/50HZ
1.5	360V~400V/50HZ	7.5	630V~690V/50HZ
2.2	420V~460V/60HZ	11	420V~460V/60HZ
3		15	



SELF-PRIMING PUMP (CIP PUMP)

OPERATING PRINCIPLES

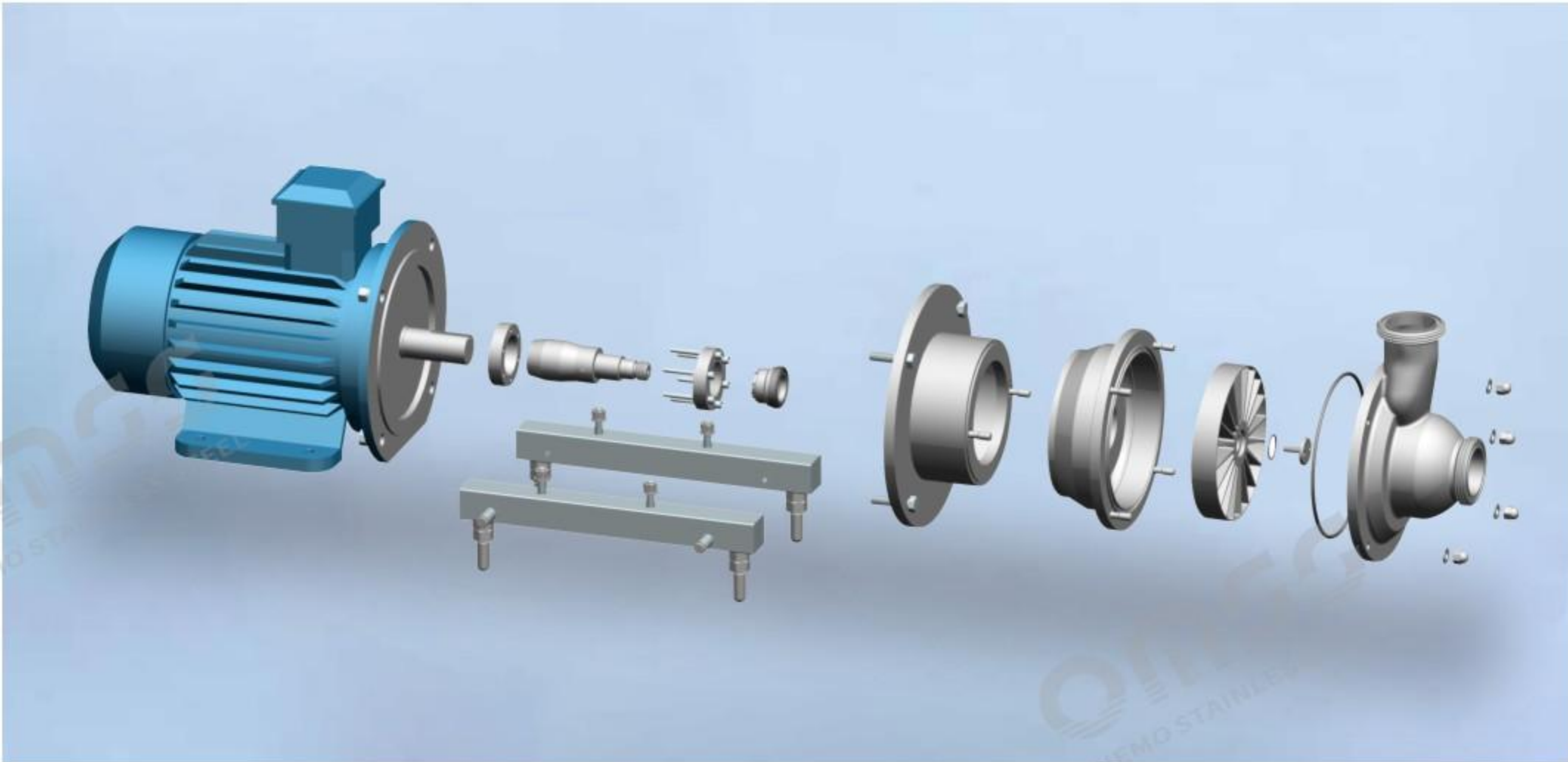
- The impeller is housed between the inlet body and the venturi casing and it rotates in conjunction with the pump shaft.
- The rotation of the impeller and arrangement of the side channel, creates a negative pressure inside the inlet body, which generates the suction force of the pump. At the same time, the fluid receives energy in the form of kinetic energy and pressure energy, and this impels it through the impeller casing.

DESIGN AND FEATURES

- Casing manufactured with cold-formed plate.
- Stainless steel investment casting inlet body and impeller.
- Mechanical seal prevents contacting between the springs and the pumped fluid
- Stainless steel support

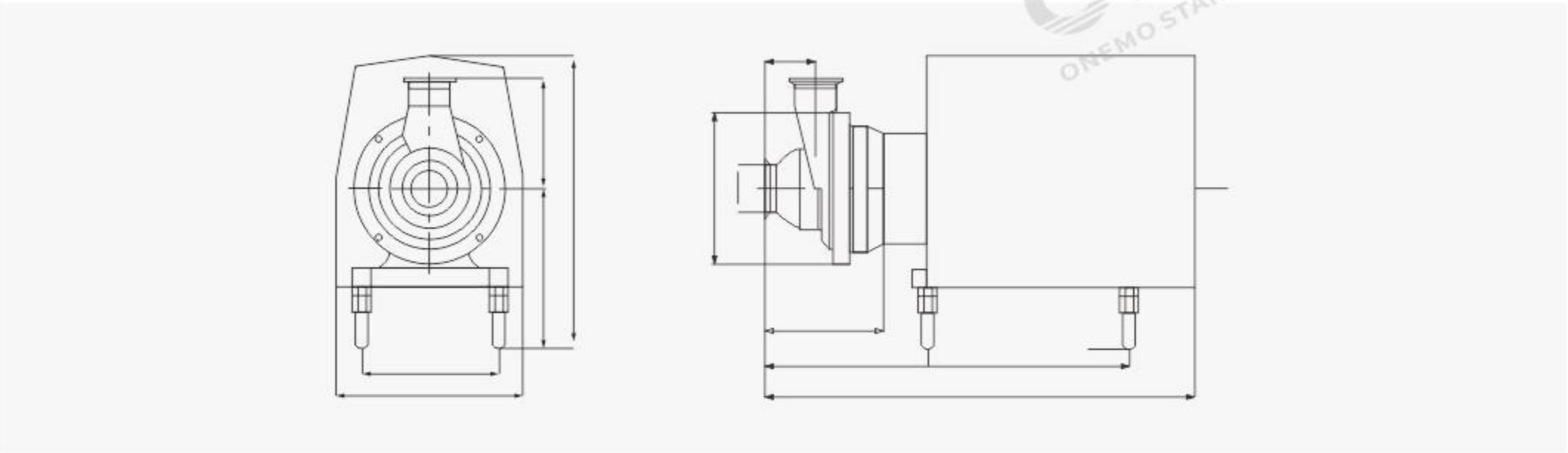
MATERIALS

- Parts in contact with pumped media:AISI -316/304
- Other parts:AISI-304
- Gaskets (standard):EPDM (FDA)
- Mechanical seal (standard):C/SiC/EPDM
- Internal surface finish:Polished
- External surface finish:Sandblast



SELF-PRIMING PUMP
(CIP PUMP)

ASSEMBLY DIMENSION

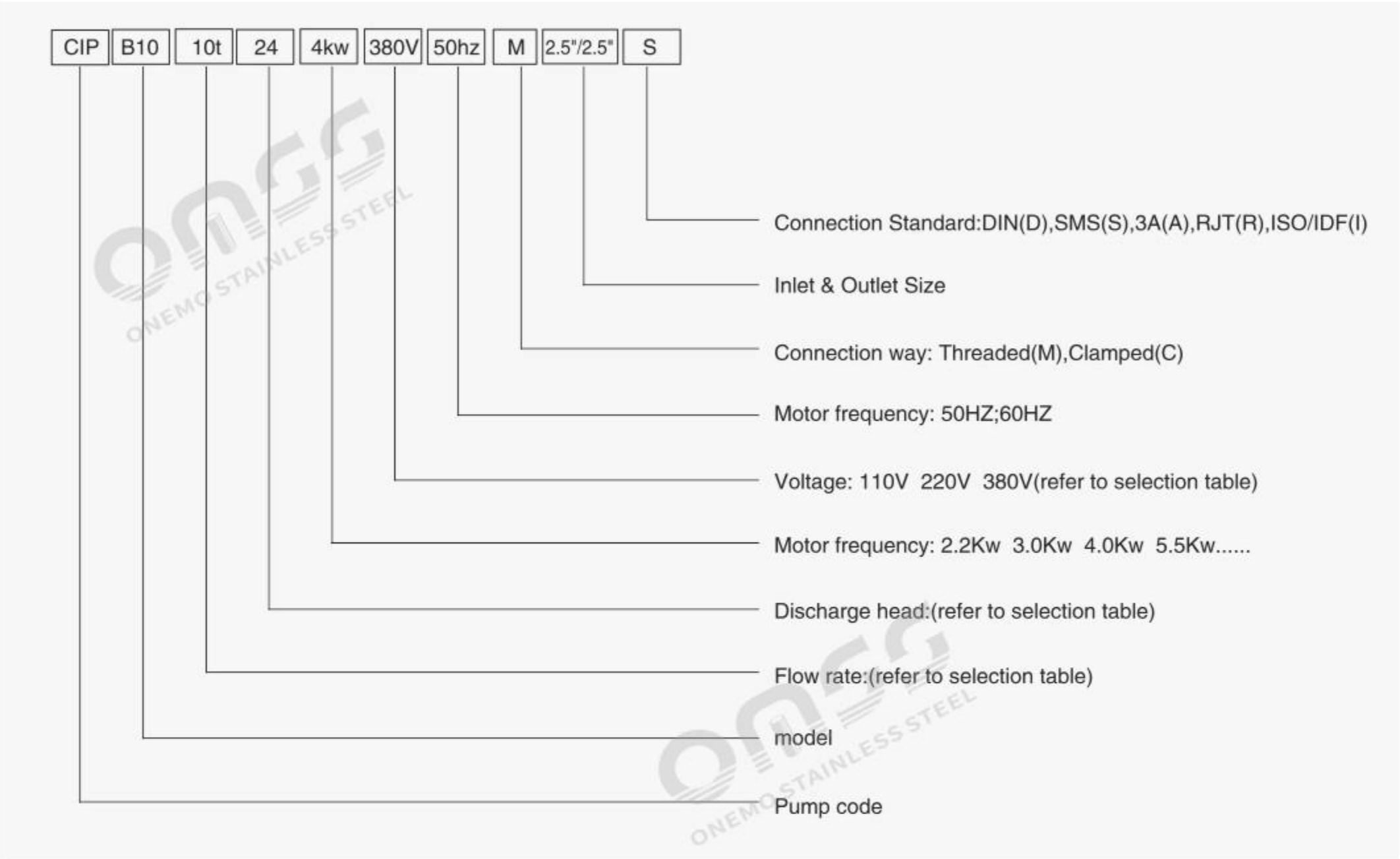


series CIP	Pump Specifition						Assembly Dimension										3A	
	Power (kw)	Inlet d" /DN	Outlet d" /DN	ΦDp	Lp	mechanic sealsize	B	C	D	M	F	G	H	L	W	C	H	
CIP-B07	2.2	2" /50	2" /50	192	160	Φ32	71	230	142	233	300	160	430	652	260	262	462	
CIP-B010	3	2" /50	2" /50	192	160	Φ32	71	230	142	233	300	160	430	652	260	262	462	
CIP-B20	4	2.5" /65	2" /50	248	200	Φ32	83.5	210	185	254	300	190	422	642	260	242	454	
CIP-B25	5.5	2.5" /65	2.5" /65	248	200	Φ32	83.5	242	185	282	330	216	460	772	310	274	492	
CIP-B30	7.5	3" /80	2.5" /65	248	200	Φ32	83.5	242	185	282	330	216	460	772	310	274	492	

Attention: Please refer to selection table for details of next page, The size in the following form is the reference value, the actual size is subjected to actual object.



MODEL INSTRUCTION OF SELF-PRIMING PUMP



Sample:CIP-B10-10T-24-3Kw-380V-50HZ-M-2"/2"-S

Pump Selection Table

Model	FLOW rate(m ³ /h)	Absorption Process(M)	Discharge head(M)	Power (kw)	Inlet & Outlet
CIP-B07	7	6	24	2.2kw	2" /2"
CIP-B10	10	6	24	3kw	2" /2"
CIP-B20	20	6	24	4kw	2.5" /2.5"
CIP-B25	25	8	24	5.5kw	3" /2.5"
CIP-B30	30	8	24	7.5kw	3" /2.5"

VACUUM PUMP
VACUUM

TECHNICAL PARAMETER

- Application: Belong to a turbine the diversion centrifugal pump can extract the liquid of the vacuum tank under the pressure of negative pressure 0.09Mpa.
- Spec: 3T-180T, 0.75KW-75KW
- Material: SUS304, SUS316L (the pump body,pump cover,impellerwhich is contact with medium material ,made of stainless steel SUS316L and SUS304
- Standard: DIN, SMS
- Impeller: Open type impeller ,semi-close type impeller
- Surface treatment: The parts contacted with medium is polished
- Working condition: sanitary centrifugal pumps is a high and low level transmission ,as well as the level transmission ,and has a amount of suction.
- The max pressure of inlet: 0.5MPa
- Temperature range:-10° C to +140° C(EPDM)
- Washable mechanical sealing:water pressure: Max 0.1MPa
- flow rate: 0.25-0.5L/min



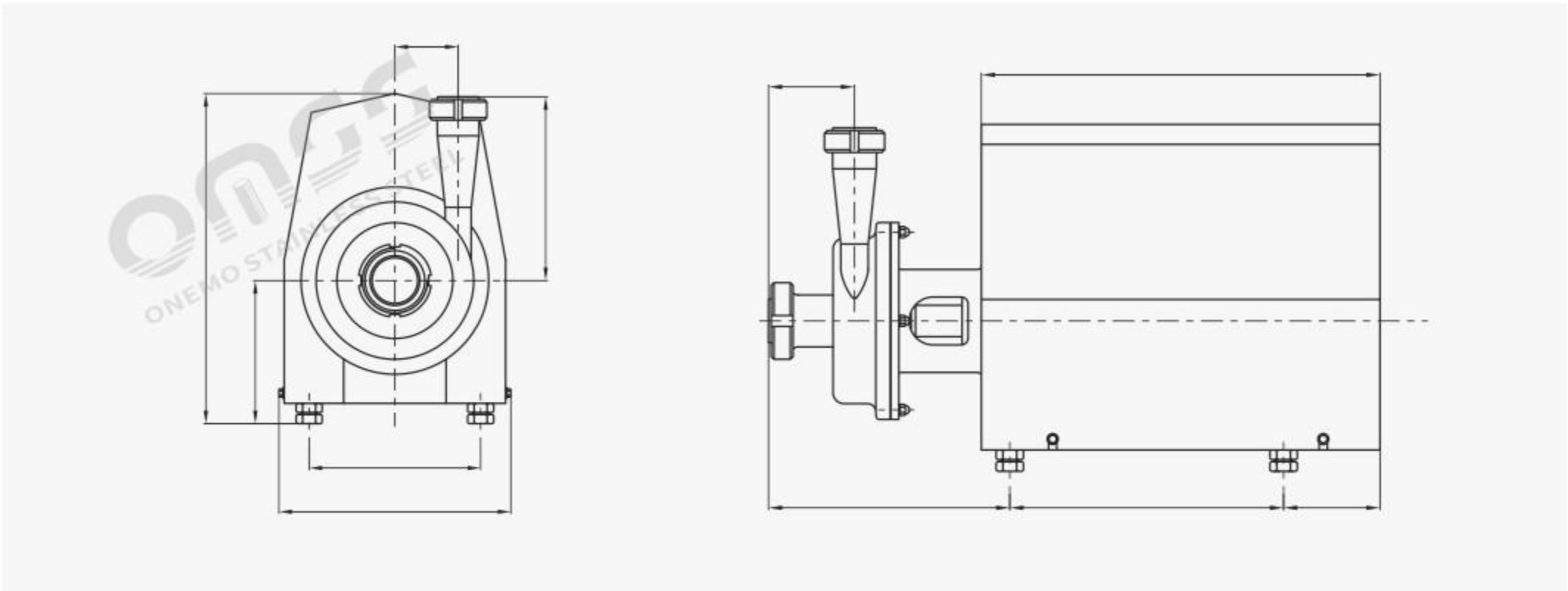
MOTOR

- Configuration of "ABB" brand three-phase AC motor is in accordance with the International Electrotechnical CommissionIEC60034.IEC60072 standard design comply with European "CE" marking requirements
- The explosion-proof motor also available ,that can meet with the requirement of different applications.
- It with excellent electric performance ,and with low niose,low vibration,the protection grade is IP55,insulation grade is F.
- Operate involtage:
 - ≤ 3Kw, 220-240V/380-420V, Δ / Y
 - >3Kw, 380-420V/660-690V, Δ / Y
- requency: 50Hz/60Hz
- working method: continuous (SI)
- rotate speed:the standard rotate speed is 2900r/min

VACUUM PUMP
VACUUM



SANITARY VACUUM PUMP MODEL DESCRIPTION



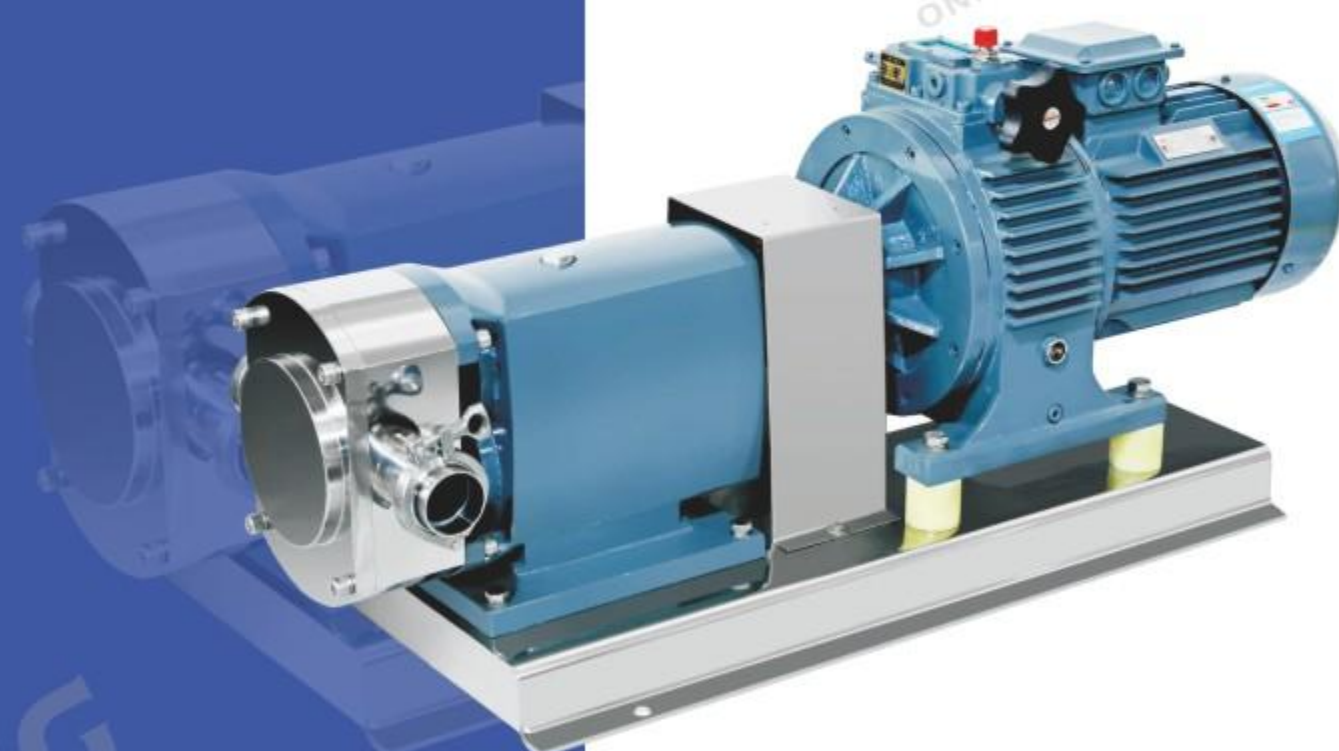
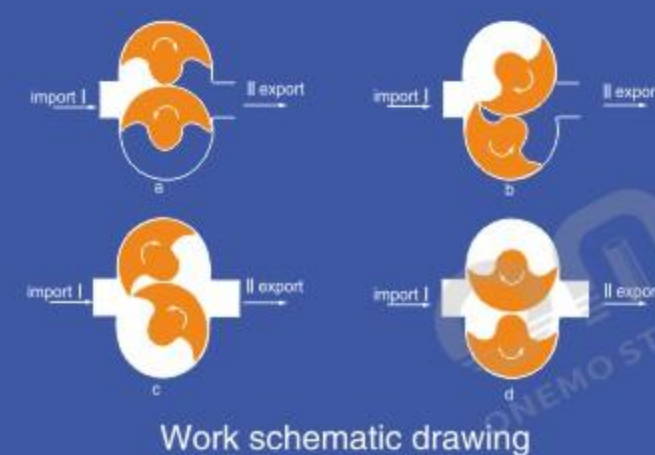
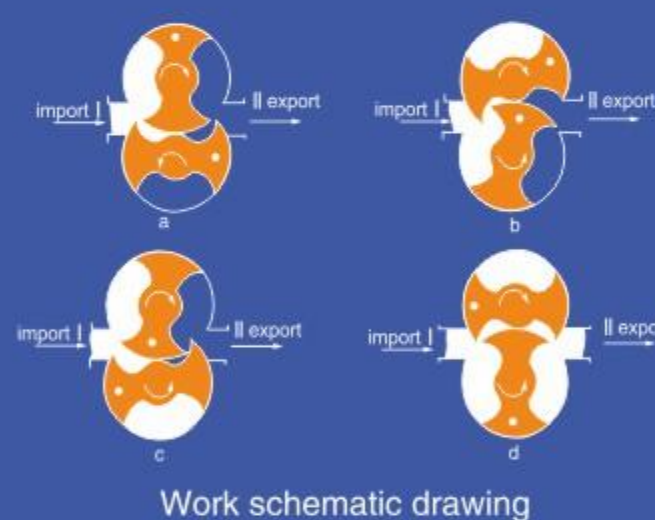
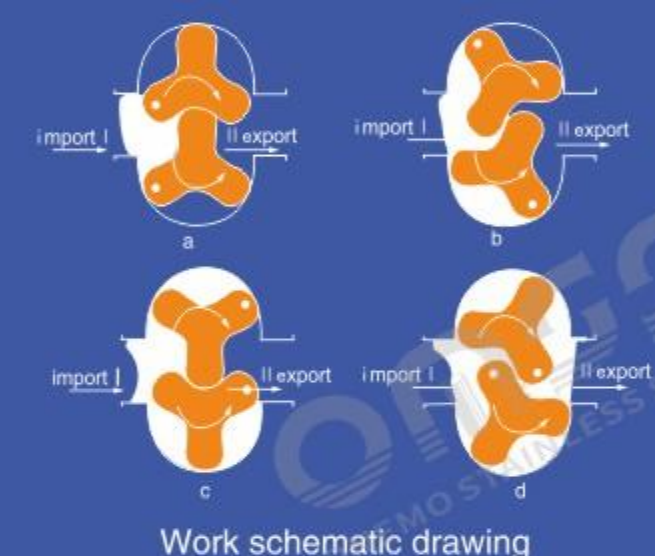
Technical data										
size (mm)	power (kw)									
	0.75	1.1	1.5	2.2	3.0	4.0	5.5	7.5	11	15
A	325	325	325	325	380	380	430	430	570	570
B	225	225	225	225	275	275	325	325	390	390
C	125	125	140	140	160	190	210	210	356	356
D	205	205	205	205	240	240	282	282	385	385
E	109	109	109	109	114	114	114	114	121	121
F	67	67	67	67	76	76	76	76	104	104
G	162	162	162	162	178.5	178.5	178.5	178.5	204.5	207.5
H	273	273	273	273	300	300	297	297	390	390
I	85	85	85	85	115	115	155	155	145	145
J	155	155	155	155	170	170	185	185	245	245
K	320	320	320	320	385	385	455	455	555	555

Selection table								
size	3T/16M	3T/30M	5T/24M	5T/30M	10T/24M	10T/36M	10T/50M	15T/24M
power (kw)	0.75	2.2	1.5	3.0	2.2	3.0	5.5	3.0
Entrance/Exit(mm)	38/32	38/38	38/38	38/38	51/38	51/51	51/51	51/51
size	20T/24M	20T/36M	30T/24M	30T/36M	40T/24M	50T/40M	60T/24M	60T/40M
power (kw)	4.0	5.5	5.5	7.5	7.5	11.0	11.0	15.0
Entrance/Exit(mm)	51/51	51/51	51/51	63/51	63/51	89/63	89/63	89/89

ROTARY LOBE PUMP

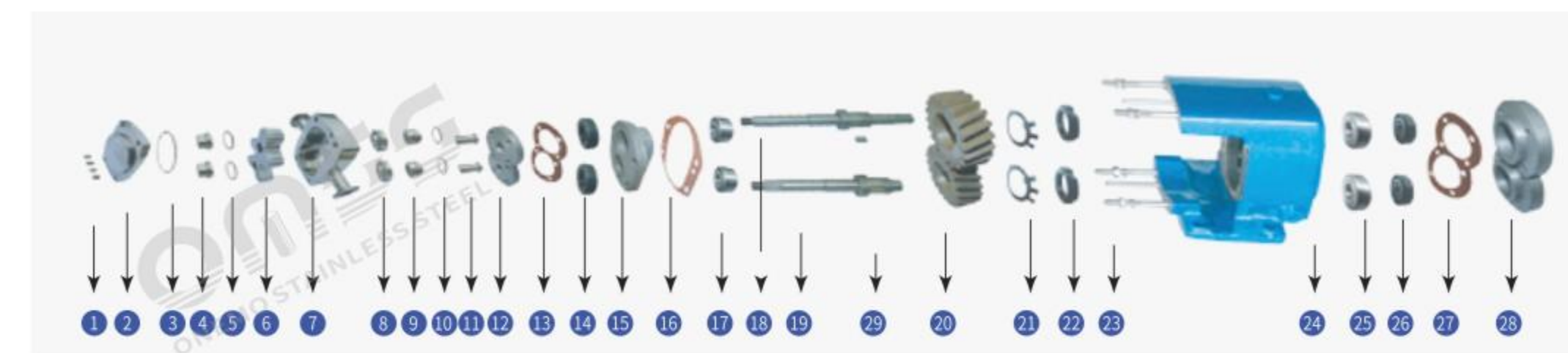
OPERATION PRINCIPLE

Rotor pump is also named rotary lobe pump, three-lobe pump, sole pump, etc. When the 2 simultaneous reverse rotating rotors (with 2-4 gears) revolve, it produces suction force at the inlet (vacuum), which intakes the material delivered. The 2 rotors divide the rotor housing into many smaller parts and revolve in the sequence of $a \rightarrow b \rightarrow c \rightarrow d$. When it revolves to position a, only housing I is filled with medium; when it revolves to position b, housing B encloses part of the medium; when it goes to position c, housing A encloses medium, and finally it goes to position d, then housing A, B and II are interlinked and the medium is transported to the outlet. As this process is repeated, medium (material) is transported continuously.



ROTARY LOBE PUMP

ROTOR PUMP CONFIGURATION

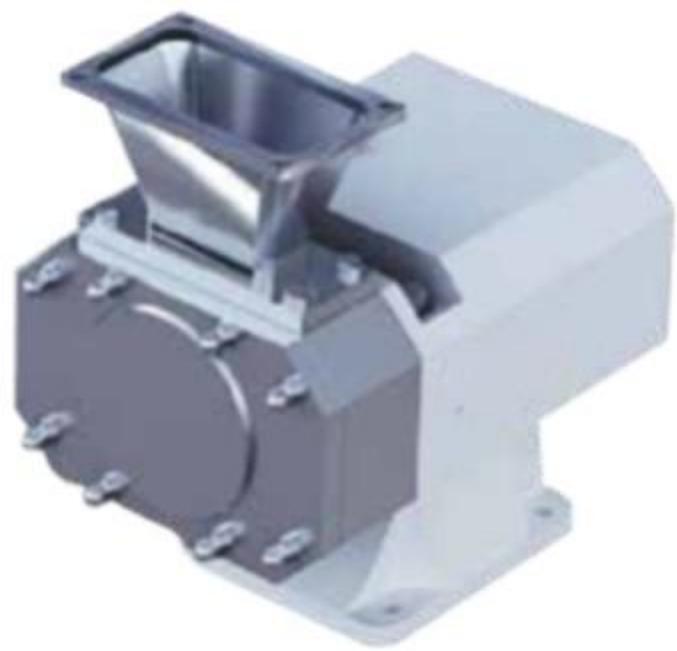


1. Screw cap 2. Pump cover 3. Seal ring 4. Cap 5. Seal ring 6. Rotor cavity 7. Pump 8. Mechanical seal (stationary ring) 9. Mechanical seal (moving ring) 10. Seal ring
11. Bearing sleeve 12. Bearing cover 13. Seal gasket 14. Rubber oil seal 15. Bearing seat 16. Seal gasket 17. Bearing 18. Upper shaft 19. Lower shaft 20. Helical gear
21. Stop washer 22. Cap 23. Screw 24. Pump body 25. Bearing 26. Rubber oil seal 27. Seal gasket 28. Bearing cover 29. Pin

APPLICATIONS

- Food Industry: Yogurt, Fresh Butter, Ice Cream, Cheese, Whey, Beer, Wort, Yeast, Soft Drink, Fruit Jelly, Fruit Drink, Ketchup, Fruit Puree, Vegetable Mash, Pudding, Fruit Jam, Jelly, Flavor, Fruit Stuffing, Sweet, Yeast, Seasoning, Bread, Meat Gruel, Comminuted Meat, Meat Oil, Edible Oil, Candy, Syrup, Thin Cream Dressing, Chocolate, Etc.
- Daily Chemicals: Cleansing Facial Milk, Hair Gel, Hair Dyes, Essence Oil, Toothpaste, Detergent, Shampoo, Shoe Polish, Cosmetics, Perf-umery Compound, Soap, Balsam, Etc.
- Pharmacy: Various Pill, Paste, Emulsifier, Syrup, Nutrition Liquid, Chinese Traditional Patent Medicine, Medicine Grease, Biological Products, Fish Meal, Pollen, Royal Jelly, Vaccine.
- Chemical Industry: Fat, Dissolvent, Resin, Polymer, Paint, Pigment, Dyes, Coating Material, Lubricant, Lubricating Grease, Oil Agent, Emulsified Asphalt, Adhesive, Plastic, Explosives, Glass Fiber Reinforced Plastics, Leather, Etc.
- Construction Industry: Various Coating, Including Indoor/outdoor Wall Coating, Corrosion And Water Proof Coating, Ceramic Coating, Paint Coating, Ceramic Glazing, Etc.
- Other Industries: Plastic Industry, Textile Industry, Papermaking Industry, Coal Floatation Agent, Nanometer Material, Biochemical Industry, Etc.

HYGIENIC LOBE PUMP
ROTOR PUMP



Lobe Pump with Flange hopper



Lobe Pump with Built-in Safety Valve



Frequency Controlling Rotor Pump



Step-Less Variator Rotor Pump

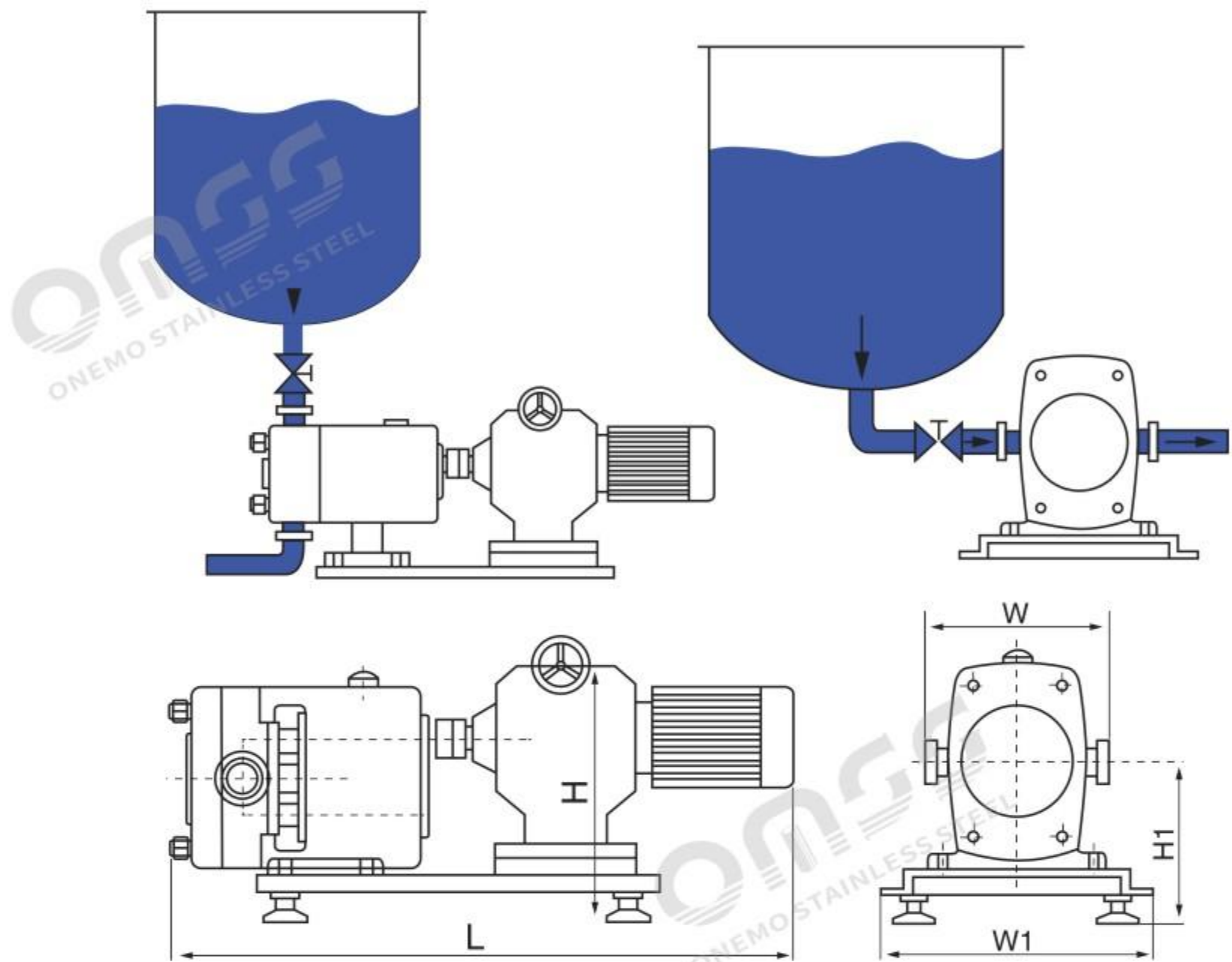


Stuffing product feeding rotor pump(top in,bottom out)



Movable Rotor Pump

ROTOR PUMP INSTALLATION INSTRUCTION



MAIN PARAMETER

Model	Flow per 100 Rotation (L)	Suggested roation speed (RPM)	Capacity (L-H)	Power (L-H)
ZB3A-3	3	200-500	300-800	0.55
ZB3A-6	6	200-500	650-1600	0.75
ZB3A-8	8	200-500	850-2160	1.5
ZB3A-12	12	200-500	1300-3200	2.2
ZB3A-20	20	200-500	2100-5400	3
ZB3A-30	30	200-400	3200-6400	4
ZB3A-36	36	200-400	3800-7600	4
ZB3A-52	52	200-400	5600-11000	5.5
ZB3A-66	66	200-400	7100-14000	7.5
ZB3A-78	78	200-400	9000-18000	7.5
ZB3A-100	100	200-400	10000-22000	11
ZB3A-135	135	200-400	15000-30000	15
ZB3A-160	160	200-400	17000-34000	18.5
ZB3A-200	200	200-400	21600-43000	22

TRL-I PIPELINE HIGH SHEAR DISPERSING EMULSIFIER

OPERATION PRINCIPLE

Pipeline high shear dispersing emulsifier is a high performance equipment used for continuous production or circulated treatment of fine material. In the small chamber, there are 1-3 sets of paired and clutched stators and rotor. Driven by motor, the rotor revolve quickly and produces a strong axial suction force which intakes the material to the chamber. The machine disperses, shears and emulsifies the material in shortest time, and the diameter range of the particles gets smaller so that fine and stable products are produced.



Rough teeth: beat, shatter, shear, dissolve, rough disperse



Middle teeth: disperse, refine, solutize, emulsify



Fine teeth: superfine disperse, emulsify, homogenize, pulpify



Movable emulsion pump



Fixed emulsion pump

TRL-I PIPELINE HIGH SHEAR DISPERSING EMULSIFIER



Mixing dissolving	Soluble solid or liquid blends together with liquid in the state of the molecule or the gum Crystallization powder, salt, sugar, ether sulphate, abrasive, hydrolysing colloid, CMC thixotropy, rubber, natural and synthetic resin
Dispersed suspension:	Unsoluble solid or liquid forms finer partial blended solution or suspended solution Catalyst, flattening agent, pigment, graphite, paint coating, alumina, compound fertilizer, printing ink packing agent, weedkiller, bactericide.
Emulsification	Unsoluble liquid together with liquid does not separate Cream, ice cream, animal oil, vegetable oil, protein, silicon oil, light oil, mineral oil, paraffin wax, wax cream, rosin.
Homogeneity:	Make emulsification and suspended grain size finer with more even distribution. Cream, flavouring, fruit juice, jam, condiment, cheese, fat milk, toothpaste, typing ink, enamel paint
Thick liquid:	Cell's tissue, organic tissue, the animal and plant tissues
Chemical reaction:	Nanometer material, inflating with higher speed, synthesis with higher speed
Extraction:	The vortex extraction
Depolymerization:	Nanometer powder, dough powder

Model	Power (KW)	Rotation speed (RPM)	(m ³ -h) Capacity
TRL 1-80	1.5	2900	0-1.5
TRL 1-100	2.2	2900	0-3
TRL 1-120	4	2900	0-4
TRL 1-140	5.5	2900	0-5
TRL 1-165	7.5	2900	0-8
TRL 1-180	11	2900	0-12
TRL 1-185	15	2900	0-18
TRL 1-200	22	2900	0-25
TRL 1-210	30	2900	0-35
TRL 1-230	45	2900	0-50
TRL 1-245	55	2900	0-75
TRL 1-260	75	2900	0-90
TRL 1-275	90	2900	0-110
TRL 1-280	132	2900	0-130

ROTOR PUMP INSTALLATION INSTRUCTION

Note: the flow in the table refers to the data tested taking water as the medium. outlet pressure of the listed type ≤ 0.2Mpa. If circulated procedure is adopted, Intermittent high shear emulsifier is recommended. If there is high temperature, high pressure, flammable, explosive or corrosive condition, correct data should be provided by customers in order to customize the right product type. For mediums that flow slowly, pumps of matched flow rate should be equipped in the inlet. The data in the table is subject to change without notice. See the actual products for their data.

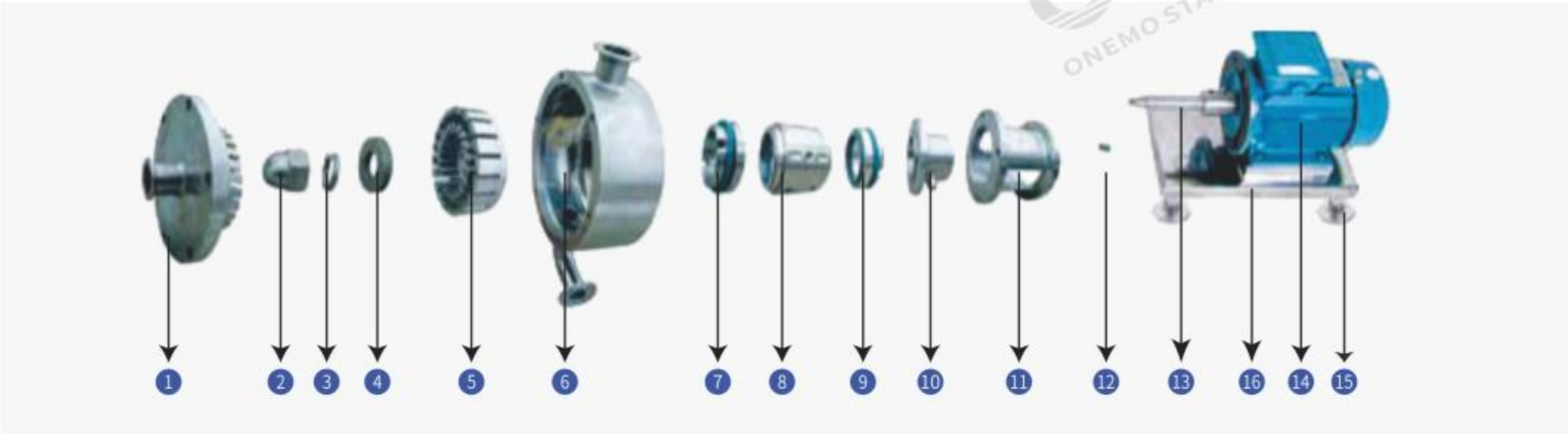
ADVANTAGES OF PIPELINE HIGH SHEAR DISPERSING EMULSIFIER

- Mass production suitable for continuous production of industrialized assembly line
- Small diameter range, and highly even
- Time saving, highly efficient and energy saving
- Low noise, stable operation
- Reduced quality difference between lots
- Material is fully dispersed and sheared
- Deliver in short distance with low lift
- Easy operation, convenient maintenance
- Automatic control



TRL-I PIPELINE HIGH SHEAR DISPERSING EMULSIFIER

PIPELINE HIGH SHEAR DISPERSING EMULSIFER



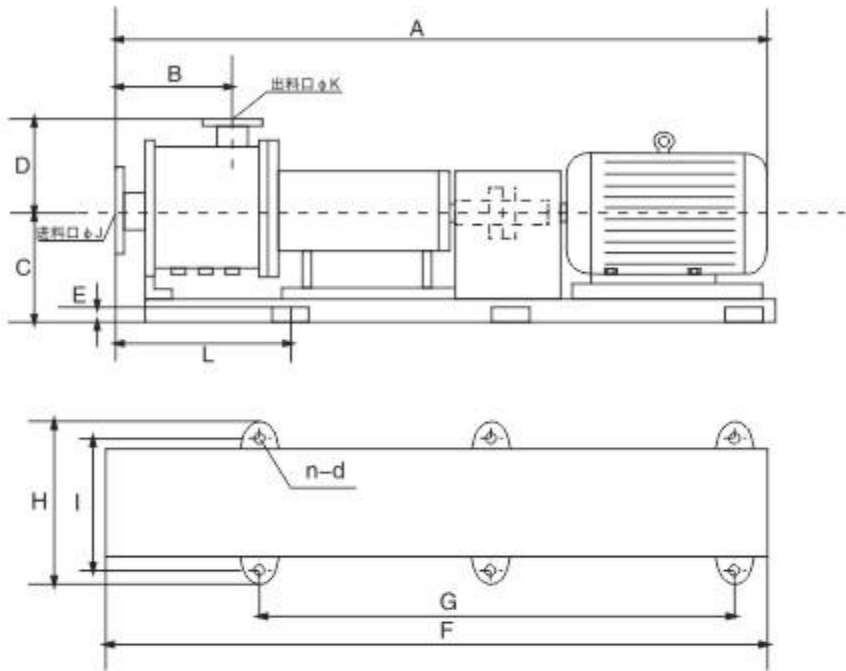
- 1.Stator 2.Screw cap 3.Flexible gasket 4.Flat gasket 5.Rotor 6.Pump cavity 7. Mechanical seal (stationary ring) 8.Mechanical seal (moving ring) 9.Mechanical seal (stationary ring) 10.Seal cool seat 11.Pump seat 12.Pin 13.Pump shaft 14.Motor 15.Support 16.Frame

APPLICATIONS

- Fine chemical (pigment, glue, sealing compound, resin emulsifying, germicidal agent, coagulating agent)
- Petroleum chemical(lubricating grease, diesel emulsifying, asphalt modification, catalyst, paraffin emulsification)
- Bio-pharmacy(injection, antibiotic, ointment, biopreparate, capsule emulsification, sugar coating)
- Coating&oil inks(printing ink, emulsion coating, construction coating, auto paint, coating auxiliary agent)
- Pesticides (bactericidal agent, seed coating agent, herbicide, pesticide emulsified oil, fertilizer, biological pesticide)
- Nanometer material (dispersing and dispolymerizing nanometer material, extracting nanometer products in chemical reaction)
- Food industry (juice, jam, jelly, ice cream, dairy products, additive, tea drinking)
- Daily Chemicals (detergent, shampoo, cream, lipstick, cleaning facial milk, daily essence)
- Paper making (pulp, adhesive, rosin emulsification, paper making additive, resin emulsification)



TRL-L3 PIPELINE HIGH SHEAR DISPERSING EMULSIFIER



OPERATION PRINCIPLE

Three sets of stators and rotors are equipped in working cavity. Driving shaft in working cavity is an arm, electrical motor and the shaft in bearing cabinet can be connected by spring coupling to improve the operation quality of driving shaft. Seal form can be selected in different conditions. It is fit for middle-large scale on-line continuous production or circulated treatment production process.

Main Parameter

Model	Power (Kw)	Rotation speed (rpm)	A	B	C	D	E	F	G	H	I	J DN	K DN	L	Capacity (m³/h)	n-d
TRL-L3-60	4	2900	950	200	180	100	8	900	700	380	320	38	32	150	0-1.5	4-Φ16
TRL-L3-100	5.5	2900	1070	230	232	155	10	1000	800	450	390	50	40	150	0-3	4-Φ20
TRL-L3-120	7.5	2900	1315	245	260	170	12	1250	1050	505	445	65	50	150	0-4	4-Φ20
TRL-L3-140	11	2900	1370	260	260	185	12	1300	1100	505	445	65	50	150	0-5	4-Φ20
TRL-L3-165	18.5	2900	1430	300	280	220	15	1350	1150	550	480	65	50	155	0-8	4-Φ20
TRL-L3-180	22	2900	1870	300	300	242	15	1800	1600	590	520	100	80	160	0-12	4-Φ20
TRL-L3-185	30	2900	1980	300	350	280	15	1900	1700	710	630	125	100	165	0-18	4-Φ24
TRL-L3-200	45	2900	2100	305	380	300	15	2000	1800	785	705	125	100	165	0-25	4-Φ24
TRL-L3-210	55	1470	2160	305	380	310	15	2050	1850	785	705	125	100	170	0-35	4-Φ24
TRL-L3-230	75	1470	2370	325	415	320	15	2250	2050	900	810	150	125	170	0-50	4-Φ28
TRL-L3-245	90	1470	2480	325	415	330	20	2350	2150	900	810	150	125	170	0-75	4-Φ28
TRL-L3-260	110	1470	2595	325	415	340	20	2400	2200	900	810	150	125	175	0-90	4-Φ28
TRL-L3-275	132	1470	2615	340	415	350	25	2400	2200	900	810	150	125	175	0-110	4-Φ28

Notes: Flow listed on the table refers to the datas measured when the medium is water,the exit pressure ≤ 0.2Mpa of the model listed in the table. In conditionsof high temperature, high pressure, flammability, explosion and erosion, relevant parameters must be provided clearly for selecting customization precisely. relevant parameters must be provided clearly for selecting customization precisely.For poor liquid medium, a pump which has a matching flow is suggested to feed at the inlet, input pressure ≤0.2Mpa. If the data in the table is modified, no further notification will be given, and the right parameters as per the provided sample.

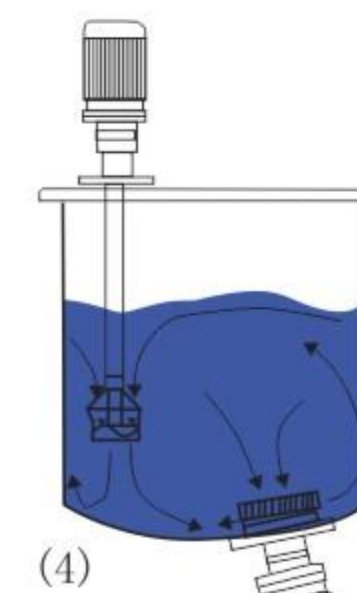
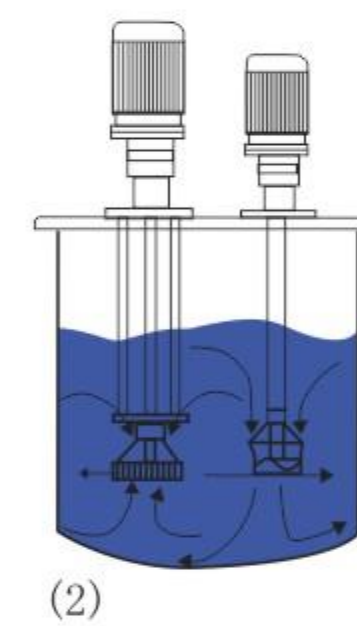
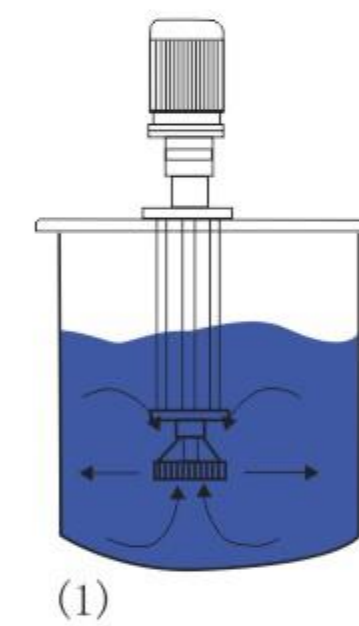
TRH INTERMITTENT/BOTTOM-MOUNTED HIGH SHEAR DISPERSING HOMOGENIZER

OPERATION PRINCIPLE

High shear dispersing emulsifier effectively, quickly and evenly disperse a phase or phases to another consecutive phase, usually, these phases are dissolvable to each other. The rotor revolves quickly and strong force is produced through high tangent speed and high frequency mechanical effect, therefore, the material in the narrow slot among stator and rotor receives strong forces from mechanical and liquid shearing, centrifugal force, pressing, liquid fraction, clashing, tearing and rush water. The dissolvable solid, liquid and gas material is then instantly dispersed and emulsified evenly and finely with better production procedures and appropriate additives and finally products with stable high quality are made.

ADVANTAGES OF PIPELINE HIGH SHEAR DISPERSING EMULSIFIER

- Mass production suitable for continuous production of industrialized assembly line
- Small diameter range, and highly even
- Time saving, highly efficient and energy saving
- Low noise, stable operation
- Reduced quality difference between lots
- Material is fully dispersed and sheared
- Deliver in short distance with low lift
- Easy operation, convenient maintenance

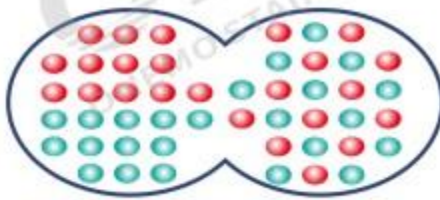


MAIN PARAMETER

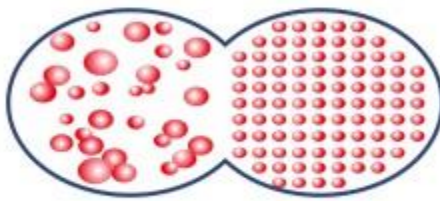
Model	Power (KW)	Rotation speed (RPM)	Handling Capacity
TRH90	1.5	2800	5-50
TRH100	2.2		50-100
TRH120	4		100-300
TRH140	7.5		200-800
TRH160	11		300-1000
TRH180	18.5	1470	500-1500
TRH200	22		800-2000
TRH220	30		1000-3000
TRH240	37		1500-5000
TRH270	55		2000-8000
TRH290	75		3000-10000

Notes: the flow in the table refers to the data tested taking water as the medium. If the medium has high viscosity or consistency, please use pipeline high shear dispersing emulsifier. If there is high temperature, high pressure, flammable, explosive or corrosive condition. The data in the table is subject to change without notice. See the actual products for the right data.

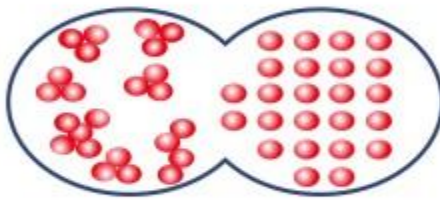
TRH INTERMITTENT/BOTTOM-MOUNTED
HIGH SHEAR DISPERSING HOMOGENIZER



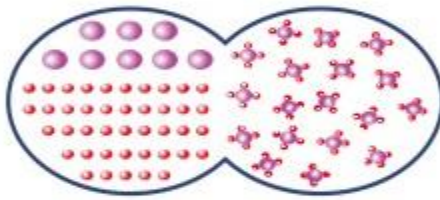
Mixing:
syrup, shampoo, detergent, fruit concentrate,
yoghurt, dessert, mixed dairy products, ink, enamel



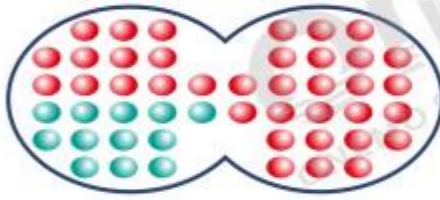
Homogenizing:
medicine emulsion, ointment, vanishing cream, face mask,
face cream, tissue homogenate, dairy homogenization, juice,
printer ink, jam



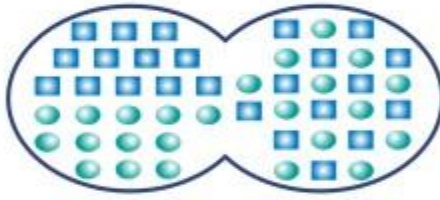
Dispersing:
Suspensions, pill coatings, drug depolymerization,
paint dispersion, lipsticks, vegetable puree,
mustard mixtures, catalysts, matting agents, metals,
pigments, modified asphalt,
preparation and depolymerization of nanomaterials.



Emulsifying:
medicine emulsion, ointment, vanishing cream, face mask,
face cream, emulsion flavoring, oil-water emulsification,
emulsified bitumen, resin emulsification, chemical fiber,
adhesive, wax emulsification,
waterborne polyurethane emulsification, pesticide



Reacing:
High-efficiency extraction, hydrogenation reaction,
saponification reaction, sulfonation reaction,
TDI (toluene diisocyanate),
MDI (diphenylmethane diisocyanate),
microsphere reaction, etc.

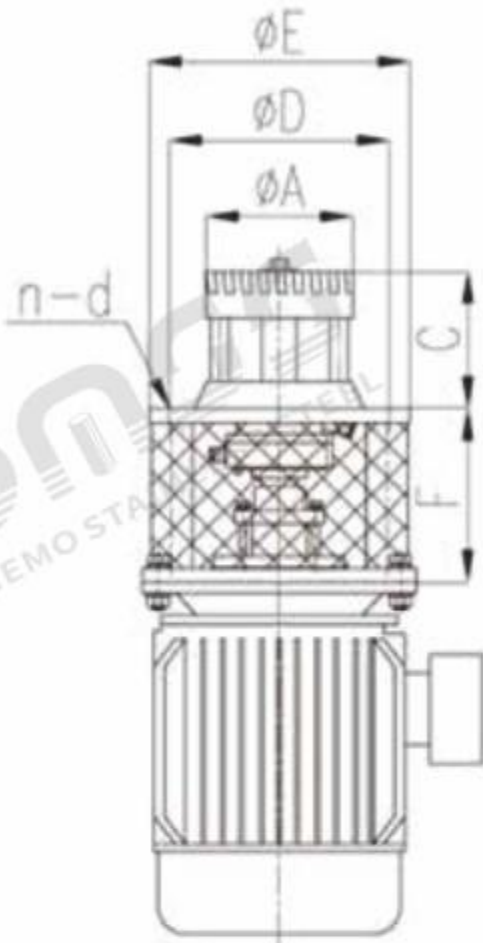


Powder/liquid mixing:
fumed silicon, silicon dioxide, white carbon black,
titanium dioxide, bentonite, talc powder,
CMC (carboxymethyl cellulose), xanthan gum,
milk powder with sugar

Shape Size

Model	D	D1	H1	D2	D3	H	G
TRH90	90	167	550	195	220	960	4×12.5
TRH100	100	167	650	195	220	1100	4×12.5
TRH120	120	195	750	225	255	1250	6×12.5
TRH140	142	220	850	225	285	1450	8×12.5
TRH160	167	225	850	290	325	1620	8×12.5
TRH180	180	275	1200	310	350	1980	8×12.5
TRH200	200	275	1200	310	350	2000	8×12.5
TRH220	220	300	1300	340	380	2200	10×14.5
TRH240	240	320	1400	360	415	2300	12×14.5
TRH270	270	350	1600	400	450	2600	12×16.5
TRH290	290	370	1600	430	500	2650	12×16.5

TRD-BOTTOM-MOUNTED INTERMITTENT HIGH
SHEAR DISPERSING HOMOGENIZER



Shape Size

Model	Power (KW)	Rotation speed (RPM)	A	C	D	E	F	n-d	Applicable volume (L)
TRD-90	1.5	2900	105	100	170	205	/	6-M12	5-50
TRD-100	2.2	2900	120	150	210	250	168	8-M16	30-100
TRD-120	4	2900	140	150	235	285	190	8-M20	100-300
TRD-140	7.5	2900	160	150	280	320	190	8-M20	200-1000
TRD-160	11	2900	180	160	320	370	200	8-M20	300-2000
TRD-180	18.5	2900	180	180	320	370	240	8-M20	800-3000
TRD-200	22	2900	220	180	350	395	240	8-M20	800-4000
TRD-220	30	2900/1470	280	190	550	595	300	16-M20	1000-5000
TRD-240	37	2900/1470	280	190	550	595	300	16-M20	1500-6000

- Limit the amount of the table refers to the process medium "water" measurement data;
- Such as higher medium viscosity or solid content, advice and pipelined high shear dispersing emulsifier used in conjunction;
- When subject to high temperature, high pressure, flammable, corrosive and other special conditions, to provide detailed and accurate parameters;
- Data in this table are subject to change without notice, provided the correct parameters to prevail in kind.

MIXING PUMP

APPLICATIONS

- The Mixers are used to mix solids in liquids.
- In the food-processing industry, they provide a perfect solution for reconstituting powdered milk, making syrups, preparing brines, etc.
- They can also be a solution for preparing solid-liquid mixtures in the pharmaceutical, cosmetics and chemical industries.

MATERIALS

- Parts in contact with the media: AISI-316L
- Gaskets (standard): EPDM according to FDA
- Mechanical seal (standard): C/ St. St / EPDM
- Inside finish: mirror polished, $Ra \leq 0.8 \mu m$
- Outside finish: mirror polished

DESIGN AND FEATURES

- Simple and versatile assembly for quick and homogeneous mixing of a great variety of solids without contact with the air. Complete mixing with recirculation of the material. In some applications, it can be used in line, without recirculation.
- 3A Sanitary design.
- Easy assembly and disassembly by Clamp connections.
- Cleaning can be carried out without disassembling the unit.
- Sanitary single mechanical seal



MIXING PUMP

OPERATION PRINCIPLE

- The mixer basically consists of a casing and a centrifugal pump impeller which are mounted vertically. The suction side has a double-wall tube that keeps the inlet of solids separate from that of liquids, thus avoiding the formation of flocs before the material enters the casing.
 - The liquid enters the mixing chamber at a high velocity, thereby creating a vacuum on the center of the impeller, which causes the suction of the solids. The fall of the solids can be regulated by means of a valve situated at the bottom of the hopper.
- It is important to keep low pressure at the suction and at the discharge sides of the blender. Avoid cavitation. Thus a feeding pump must be provided only for the applications that really require it (considerable pressure drops at the suction side, high viscosity products, etc.), please, keep in mind that the suction capacity will decrease.
- When discharge pressure is high, a centrifugal pump needs to be fitted to the discharge side of the blender.
 - For viscosities above 500 CP, the feeding pump and the discharge pump must be positive displacement pumps.

OPTIONS

- Dual cooled seal.
- Connections: DIN, SMS.
- Pneumatic actuator valve.
- 60° hopper.
- Screen in the mixing chamber.
- Drainage.



MIXING PUMP

APPLICATIONS

- Preparation of sugar syrup, sorbitol, glucose, lactose and derivatives
- Reconstitution of powdered milk
- Dissolution of cocoa and/or sugar in milk
- Reconstitution of powdered whey
- Preparation of flour and starch slurries
- Preparation of brines
- Pre-mixtures of yogurt and other milk-based desserts
- Dissolution of bentonites for wine filtering
- Dissolution of casein and caseinates in the cheese-making industry
- Preparation of pesticides and fertilizers.



TYPICAL APPLICATION 1

- Can be achieved on fast-dissolving of a variety of powder product, dealing mainly with the solution which with solid content not more than 15%. Usually used in the rapid dissolution process of milk powder, pectin, additives, sugar and other materials.



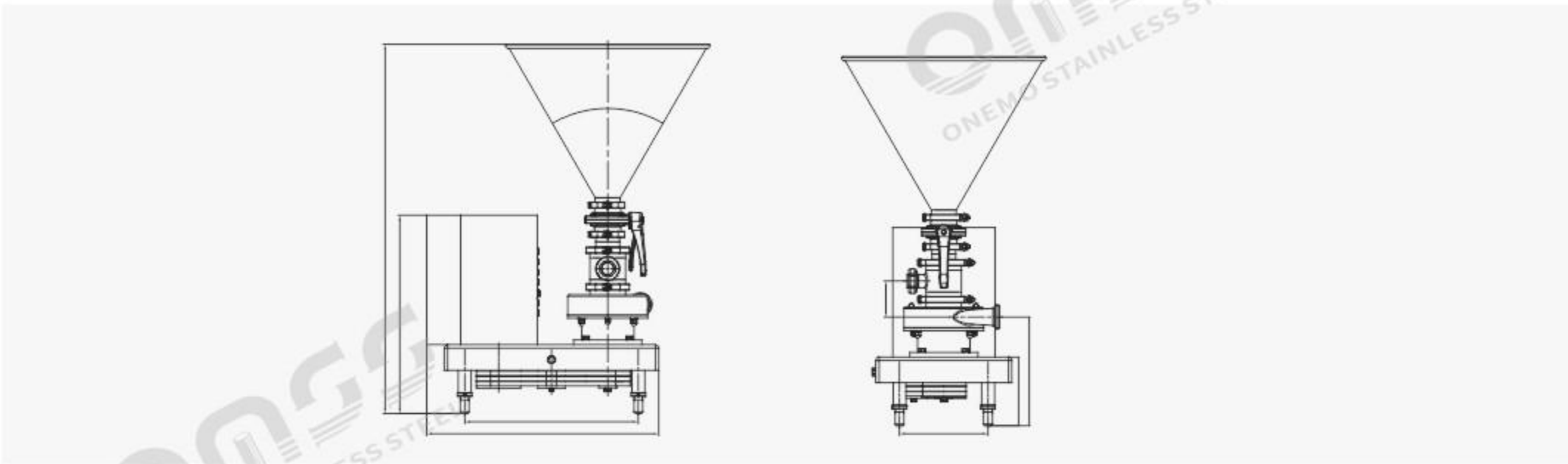
TYPICAL APPLICATION 2

- Increasing a centrifugal pump between Mixer and make-up tank is in order to feed mixer expected, this configuration can handle relatively high solid content of solution, high-speed liquid through the centrifugal accelerates solution processing of dry powder. Mainly used in the processing of final solution with solids content of 25% or less.



TYPICAL APPLICATION 3

- This system is equipped with two sets of rotor pumps; rotor pump has a relatively large advantage in the process of delivery of materials containing the viscosity, and has a relatively high pressure. This system is designed to handle high solids content of mixed solution, especially perfect in dealing with the solution with solids content of 50% or more.



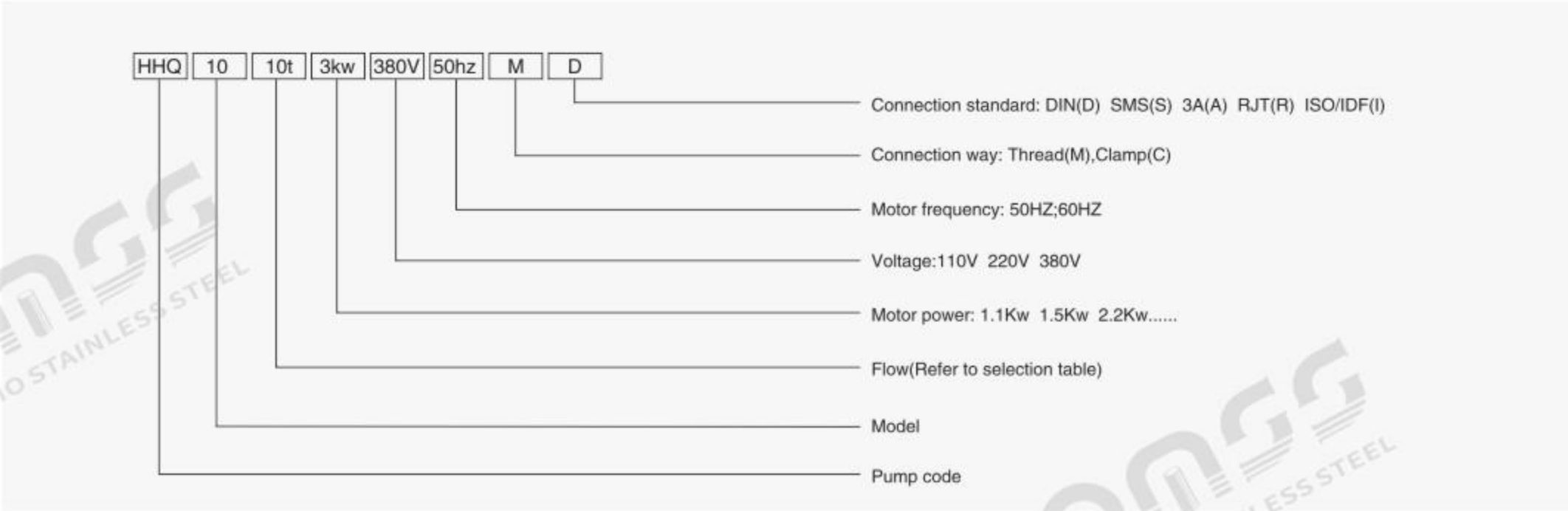
Mixing Pump(Blender) Selection table

Model	Flow rate (T)	Power	Solid Inlet size	Liquid Inlet size	Outlet	Hopper volume	Solid suction volume	Connection way
HHB-10	10	3.0	DN65-3"	DN40-1.5"	DN50-2"	45 L	2000kg/h	Clamp;Thread
HHB-20	20	4.0	DN65-3"	DN40-1.5"	DN50-2"	45 L	3000kg/h	Clamp;Thread
HHB-30	30	5.5	DN80-35"	DN50-2"	DN65-2.5"	45 L	4200kg/h	Clamp;Thread
HHB-40	40	7.5	DN80-35"	DN50-2"	DN65-2.5"	45 L	5500kg/h	Clamp;Thread
HHB-50	50	11.0	DN100-4"	2.5"	DN80-3"	65 L	7000kg/h	Clamp;Thread

Attention: Please refer to selection table for details of nest page, The size in the following form is the ference value, the actual size is according to practicality.

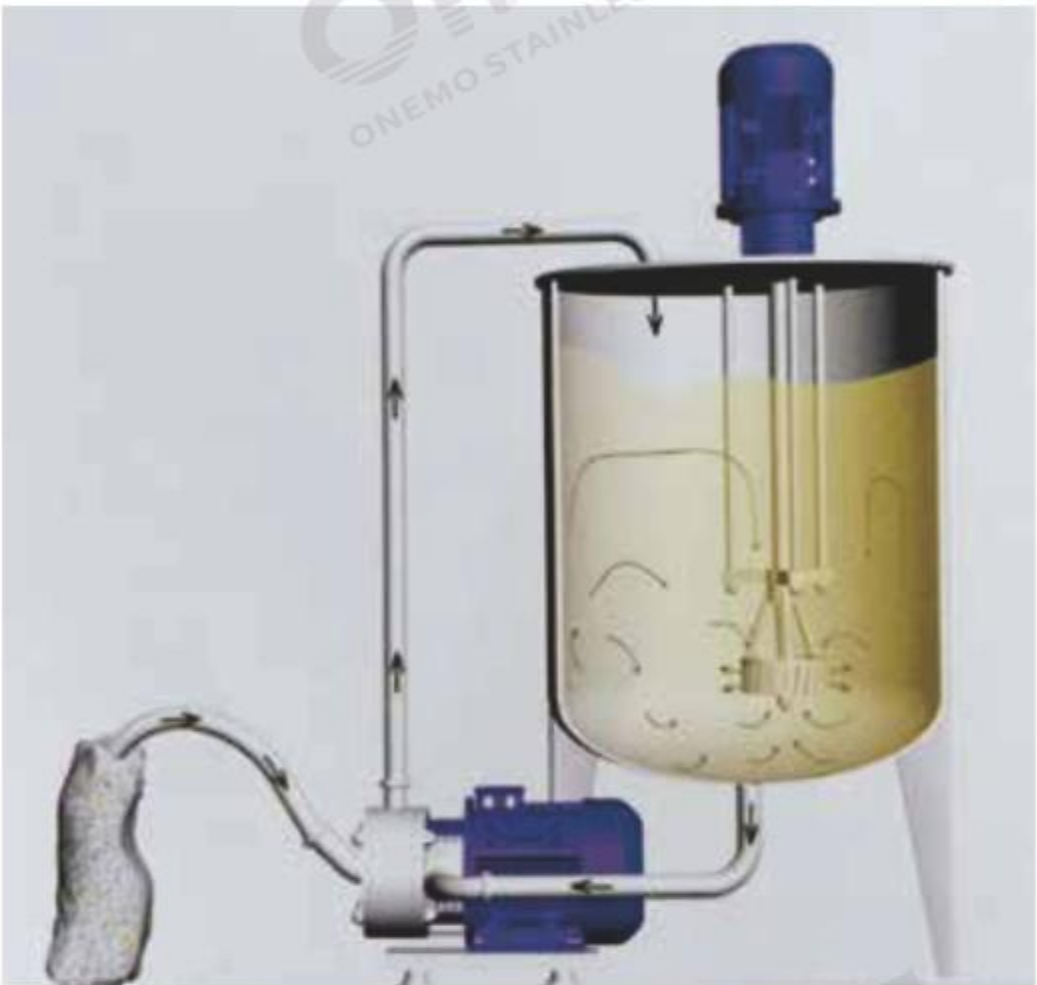
Size	A	B	C	D	H	H1	L	L1
HHB-10	1083	582	682	630	320	105	400	20
HHB-20	1083	582	682	630	320	105	400	202
HHB-30	1135	650	793	770	360	121	420	220
HHB-40	1135	650	793	770	360	121	420	220
HHB-50	1183	835	932	870	400	125	470	220

MODEL INSTRUCTION OF MIXING PUMP



Sample:HHQ-10-10t-3Kw-380V-50HZ-M-D

ONLINE POWDER SUCTION
TYPE DISPERSING EMULSIFIER



ON-LINE POWDER-SUCTION PRODUCTION TYPE

- Low suction line to avoid dust pollution, high efficiency solid-liquid dispersion, emulsification, dissolution of the work becomes easy.
- Excellent selection, lower noise, run more smoothly, ensuring high quality of the machine;
- For non-polluting materials, module combination, pharmaceutical, food, cosmetics high purity require more thought choice;
- Reasonable structure, easy assembly and disassembly cleaning;
- Applied pressure, vacuum and pressure conditions;
- Optional mechanical seal: single face, double face;
- Suitable temperature: ≤ 160 °C (higher temperatures can be customized)
- Motor: riot or ordinary (for the election)
- Material: 304 or 316L (for the election)

Technical Parameters

Model	Power (KW)	Rotation speed (RPM)	flow rate (m³/h)	Outlet pressure (Mpa)	Powder (Liquid) Inlet	outlet
BOXR-120	4	2900	12	0.08	Φ32	Φ50
BOXR-140	7.5	2900	18	0.1	Φ40	Φ63
BOXR-165	15	2900	25	0.15	Φ50	Φ76
BOXR-200	35	2900	50	0.2	Φ63	Φ89
BOXR-260	75	2900	80	0.35	Φ76	Φ102

ONLINE POWDER SUCTION
TYPE DISPERSING EMULSIFIER



- Processing flow depends on the viscosity of the material and final product quality requirements;
- Feeding capacity with short, non-self-priming capabilities are required to use the high feed; material viscosity or high solids content can not lead a normal feeding time and lose, are required to use pressure or transporting feed pump, pump pressure and flow with the selected models match.
- If you encounter selection questions, please call consultation companies, professional sales engineers to recommend.
- Note: Mixed capacity :30-150kg (powder) / min
- Measurement conditions: 20 °C medium is water, viscosity and density of material changes in the flow of people making a difference, relative power will make a difference.



TRL 2 HIGH EFFICIENT ONLINE MIXER SYSTEM

OPERATION PRINCIPLE

- TRL 2 efficient online mixer system is the latest generation of solid and liquid, liquid and the liquid fast, efficient hybrid systems equipment. The system has powerful Central vacuum of power system to ensure operation of the system efficient, safe and reliable, but also the clever design of a set of precise and bite Rotor will close subsystems, making efficient online mixer with a variety of unique and mutual reunification of the Function. In the unique and compact structure of the system, two systems synergy, working together, so that non-homogeneous materials in a small space rapidly and thoroughly mixed and heterogeneous, and may even be a meticulous verification of stability to repeat Production results.



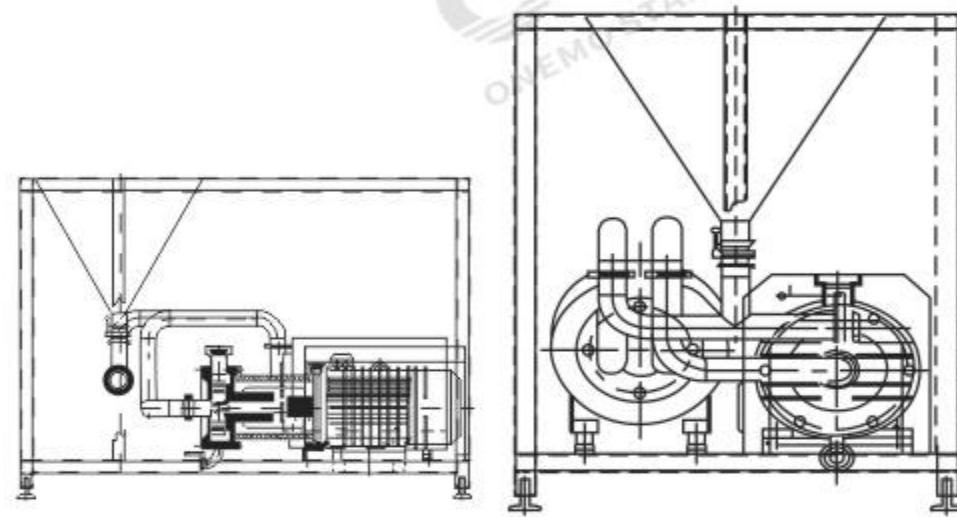
SYSTEM PORTFOLIO

- Table system: according to different application requirements, select SUS304 or 316L stainless steel manufacturing. The relatively closed system equipment, cleaning, sanitation, safety, aesthetics, easy to operate;
- Dry powder feeding: v-dry powder for solid feeding the mouth of Health with adjustable valves. Can choose manual or pneumatic control;
Control Valve: Yes conditioning systems must be part of the system at the same time to adjust the volume and velocity;
- Endoscopic: (choose to install): To observe the entire system operators provide a convenient working conditions and visual instructions.
System emptying system (based on customer requirements choose to install); can be used for cleaning, emptying and sampling.
- Efficient mixer: the system is the core components, the ingenious design of a precise and bite Rotor will close subsystems, making efficient online mixer with a variety of unique and reunification of the functions of each other. They are asked to the relatively high rate of high-speed rotation, but not direct contact with each other, not wear. Health centrifugal pump shape the structure from the structure, shaft, mechanical seals, seals and other imports are Germany; rotor, stator, the whole cavity are forging a stainless steel high-precision CNC machining centers from processing; system strong, secure, Efficient, safe and reliable;
- Efficient power machine: the powerful Central vacuum of power system is an essential part of system to ensure that systems work efficiently, fast, stable, powerful, safe and reliable. Health of the powerful suction ring true blank suction system for the whole mixer conveyor system, and provide the impetus for solid materials. Sealed in stainless steel, machinery, Kennedy-durable, stable and reliable.
- Security systems: systems are equipped with stainless steel double-filter protection systems to ensure that the metal to avoid any solid particles (Lo Salim, welding slag, metal, gravel, etc.) on the system damage,
- Operating system: the operating system designed, single-stop button to launch the operation, were instructed fault. Simple, easy maintenance. Operating system with anti-fertility overload, short-and anti-shortage-and to prevent misuse of the parade, such as interactive chain protection. According to customer needs, can be equipped with automatic operating system.

FEATURES

- Have mixed, stirring, decentralized, heterogeneous, emulsion, homogenized, and other functions, high universality;
- Production stability uniform, can be infinitely repeated verification.
- Particularly in dairy products, beverages, food and pharmaceutical production process more important.
- No powder Mission, grain-free, no clumps of a lectin.
- High efficiency: Compared with the traditional process can be shortened by about 80 percent of the time, greatly improving production efficiency, reduce production costs.
- Extensive application for automated production lines, but also to different batch production applications.
- Particularly applicable to high-viscosity, difficult to dissolve the material (viscosity up to 90,000 mPas);
- Hassle Free equipment can be fully online CIP, meet the health requirements and standards.
- Modular structure: the scene without the direct use of debugging, significantly reducing installation costs.
- Compact: small space, easy integration with other systems, saving investment.

Model	Handling Capacity (T-H)	Power of in-line mixer	Power of self-priming pump	Rotation speed (r-min)
TRL 2-140	0.1-4	4	2.2	2800-1400
TRL 2-165	0.3-6	7.5	4	2800-1400
TRL 2-180	1-10	11	5.5	2800-1400
TRL 2-200	2-12	18	5.5	2800-1400
TRL 2-230	2-15	30	7.5	2800-1400



APPLICATION

- Food Industry: homogeneous concentrated fruit juice, long fiber drinks, soups, all kinds of jam, fruit juice, potatoes Nigeria, mustard cake;
- Dairy: homogeneous fermented dairy products: You yogurt, soft cheese, butter, etc.
- Heterogeneous mix milk products: such as ice cream, chocolate milk, cocoa milk, CMC, starch, Mr Jing, etc.
- Biological pharmaceutical industry: tissue, cell body grinding, injection; antibiotics; drug ointment; microcapsules emulsion;
- Cosmetics Industry: Emulsion various facial cream, lipstick, liquid detergent, Ximian Nai, skin care products, shampoo;
- Chemical industry: resin emulsion, surfactant, carbon black dispersion; dye coating
- Homogeneous production of PVC plasticizers: all kinds of emulsion agent, photographic emulsion, additives, etc.
- Petrochemical Industry: emulsified asphalt; modified asphalt; heavy oil emulsified diesel emulsion; lubricants; silicone oil emulsion.