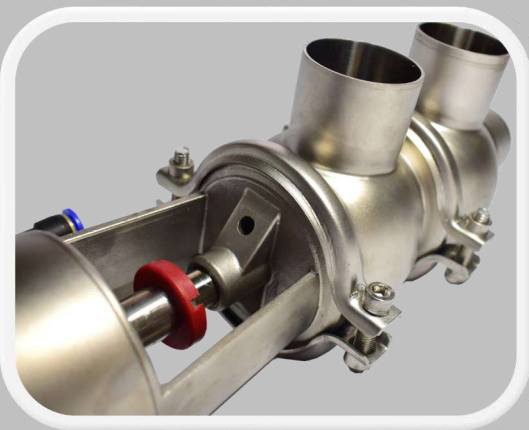




Hygienic Flow Equipment

Think Flow, Think SPV

Think Flow. Think SPV



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PT. Stainless Steel Primavalue Majubersama is a manufacturer and distributor of stainless steel based equipment. Established in 1992 and has grown rapidly to become one of the major stainless steel equipment manufacturer in Indonesia.

In 1994 the Stainless Steel Investment Casting Division was established to produce Stainless Steel Sanitary components and other precision cast component. In 2005, Automation machine and new testing equipment were deployed to ensure accuracy and to increase productivity. Company expansion was also include the establishment of Surabaya branch office and warehouse in 2006. In 2010, the company head office moved to a new facility in Cikupa Mas, occupying a 10.000 m2 area which is also include a technologically advanced factory.



From the initial design stage through production to the point of delivery, we promise a service and product that exceeds your expectation. We lead the competition in quality, value, delivery and service. Our Quality Management Standard (DIN EN ISO 9001 : 2008) assures customers of our commitment to quality in both product and service.



Comparative international Stainless Steel grade

USA	Germany	Japan	UK	European Union
AISI	W.N.17007	JIS	BSI	EURONORM
304	1.4301	SUS 304	304S15	X 6 CrNi 18 10
316L	1.4404	SUS 316L	316S11	X 3 CrNiMo 17 12 2

Chemical composition

GRADE	DESC.	REF.	CHEMICAL COMPOSITIONS			
			C %	Cr %	Ni %	Mo %
SS 304	AISI 304	USA	< 0.08	18 - 20	8 - 10.5	-
	1.4301	Germany	< 0.07	17 - 19.5	8 - 10.5	-
	SUS 304	Japan	< 0.08	18 - 20	8 - 10.5	-
	304S15	UK	< 0.07	17 - 19.5	8 - 10.5	-
	X 6 CrNi 18 10	Europe	< 0.07	17 - 19.5	8 - 10.5	-
SS 316L	AISI 316L	USA	< 0.03	16 - 18	10 - 14	2 - 3
	1.4404	Germany	< 0.03	16.5 - 18.5	10 - 13	2 - 2.5
	SUS 316L	Japan	< 0.03	16 - 18	12 - 15	2 - 3
	316S11	UK	< 0.03	16.5 - 18.5	10 - 13	2 - 2.5
	X 3 CrNiMo 17 12 2	Europe	< 0.03	16.5 - 18.5	10 - 13	2 - 2.5

Comparative International gasket materials

General Description	ASTM 1418	ISO / DIN 1629	Other Trade Names	ASTM D2000 Designations
Nitrile	NBR	NBR	Buna-N	BF, BG, BK, CH
Hydrogenated Nitrile	HNBR	(HNBR)	HNBR	DH
Ethylene-Propylene	EPDM	EPDM	EP, EPT, EPR	BA, CA, DA
Fluorocarbon	FKM	FPM	Viton, Fluorel	HK
Chloroprene	CR	CR	Neoprene	BC, BE
Silicone	VMQ	VMQ	PVMQ	FC, FE, GE
Fluorosilicone	FVMQ	FVMQ	FVMQ	FK
Polyacrylate	ACM	ACM	ACM	EH
Ethylene Acrylic	AEM	AEM	Vamac	EE, EF, EG, EA
Styrene-Butadiene	SBR	SBR	SBR	AA, BA
Polyurethane	AU / EU	AU / EU	AU / EU	BG
Natural rubber	NR	NR	NR	AA

General purpose of elastomeric classes and rubber

Temperature °C

Basic Properties	EPDM	Viton	Silicone
Economy of Material	2	3	3
Compression Set Resistance	1	1	2
Resilience (Rebound)	2	2	2
Tear Strength	2	2	4
Heat Aging Resistance	2	1	1
Ozone Resistance	2	1	1
Resistance to Oil & Grease	4	1	3
Fuel Resistance	4	2	4
Water Swell Resistance	1	2	1
Gas Impermeability	3	2	4
Dynamic Service / Abrasion Res.	2	3	4
High Temperature - Standard	148	198	232
High Temperature - Special	-	-	248
Low Temperature - Standard	-51	-15	-59
Low Temperature - Special	-	-34	-

1 = Very good

2 = Good

3 = Average

4 = Poor



Ordering information

TYPE	Size	OD	t
SMS	1.0	25.4	1.2
	1.5	38.1	1.2
	2.0	50.8	1.2
	2.5	63.5	1.6
	3.0	76.2	1.6
	4.0	101.6	2.0
3A	1.0	25.4	1.6
	1.5	38.1	1.6
	2.0	50.8	1.6
	2.5	63.5	1.6
	3.0	76.2	1.6
	4.0	101.6	2.0
DIN 11850	NW25	29.0	1.5
	NW40	41.0	1.5
	NW50	53.0	1.5
	NW65	70.0	2.0
	NW80	85.0	2.0
	NW100	104.0	2.0
	NW125	129.0	2.0
	NW150	154.0	2.0



Flaring test



Hardness test



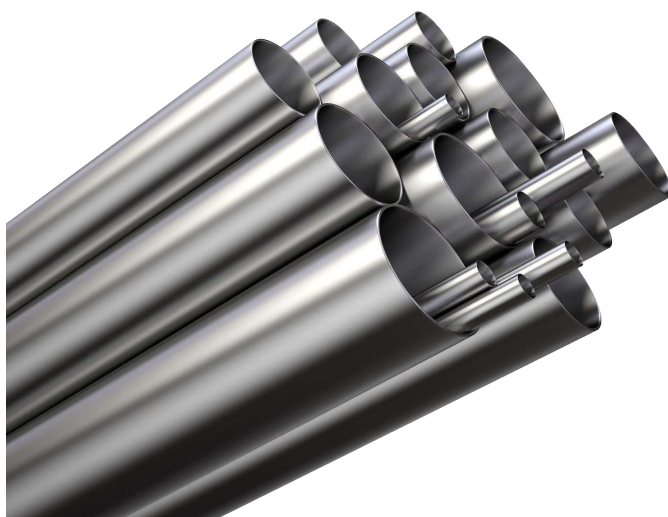
Flattening test



Roughness test



Pneumatic test



Specifications:

- Stainless Steel 304/316L according to ASTM A-270
- Ra. max 0.8 µm on product contact surface
- Certificate of material is available
- Max. pressure 10 bar

About AL6XN

AL-6XN alloy is metallurgical stable to 1000 °F (540 °C) and has no phase transformation even after extensive deformation. When exposed to temperatures in the range of 1200-1800° F the opportunity for chi phase formations exists.

Chi phase, a chromium-iron-molybdenum compound (sometimes incorrectly referred to as sigma phase), forms along the grain boundaries depleting the area of molybdenum and chromium reducing the corrosion resistance of the material.

In order to help combat chi phase formation, nitrogen was added to the AL-6XN alloy to minimize this formation, improving corrosion resistance and increasing strength over a broad range of temperatures, while maintaining the good formability of austenitic stainless steel.



Specifications

- In compliance with A-270
- Ra. max 0.8 µm on product contact surface, certificate available on delivery.
- Plastic sleeved and capped on polished OD and ID tube

Low copper content gives **resistance against chloride corrosion**. Cu above 0.75% tends to corrode in high chloride environments

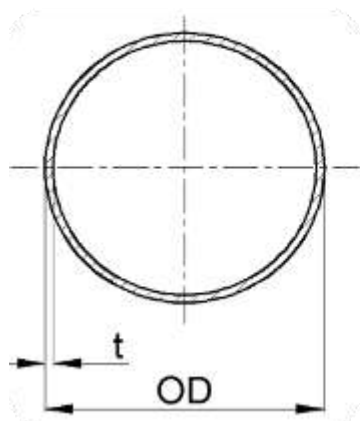
Chemical Compositions

Element	Typical	Allowable
Carbon	0.02	0.03 Maximum
Manganese	0.40	2.00 Maximum
Phosphorus	0.020	0.040 Maximum
Sulfur	0.001	0.030 Maximum
Silicon	0.40	1.00 Maximum
Chromium	20.5	20.00 / 22.00
Nickel	24.00	23.50 / 25.50
molybdenum	6.20	6.00 / 7.00
Nitrogen	0.22	0.18 / 0.25
Copper	0.2	0.75
Iron	Balance	Balance

Applications used

- Ketchup
- Soy sauce
- Barbecue sauce
- Fine chemicals
- Cosmetics
- Pharmaceuticals
- Shampoo
- Personal Care products

Ordering information



TYPE	Size	OD	t
AL6XN	1.0	25.4	1.65
	1.5	38.1	1.65
	2.0	50.8	1.65
	2.5	63.5	1.65
	3.0	76.2	1.65
	4.0	101.6	2.00



Fitting Sanitary

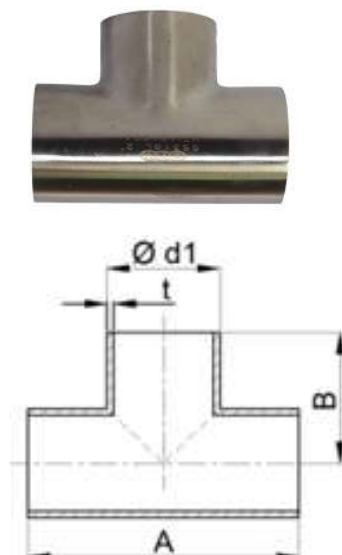
TEE-SMS

Tee Short SMS

Specification :

Material : SS 304/316L

Size : 1" - 4"



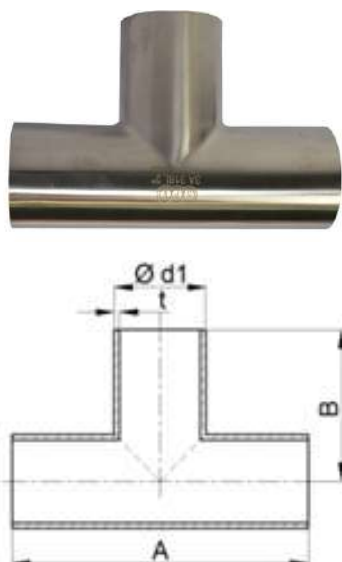
Size	d1	A	B	t
1.0	25.4	61.0	30.5	1.2
1.5	38.1	91.4	45.7	1.2
2.0	50.8	122.0	61.0	1.2
2.5	63.5	152.4	76.2	1.6
3.0	76.2	182.9	91.5	1.6
4.0	101.6	243.8	121.9	2.0

Tee Long SMS

Specification :

Material : SS 304/316L

Size : 1" - 4"



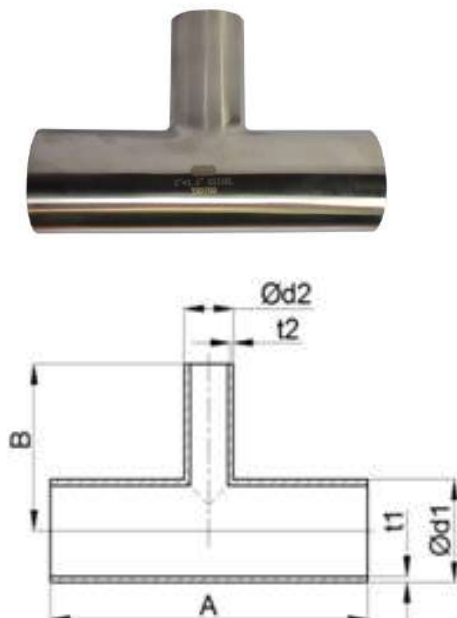
Size	d1	A	B	t
1.0	25.4	110.0	42.3	1.2
1.5	38.1	140.0	51.0	1.2
2.0	50.8	164.0	56.6	1.2
2.5	63.5	210.0	73.3	1.6
3.0	76.2	220.0	71.9	1.6
4.0	101.6	260.0	79.2	2.0

Tee Reducer SMS

Specification :

Material : SS 304/316L

Size : 1" - 4"



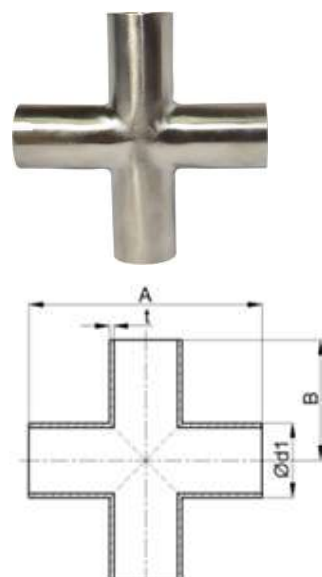
Size	d1	d2	A	B	t1	t2
1.5-1.0	38.1	25.4	140.0	42.4	1.2	1.2
2.0-1.0	50.8	25.4	164.0	42.3	1.2	1.2
2.5-1.0	63.5	25.4	210.0	42.4	1.6	1.2
3.0-1.0	76.2	25.4	220.0	42.3	1.6	1.2
4.0-1.0	101.6	25.4	260.0	42.3	2.0	1.2
2.0-1.5	50.8	38.1	164.0	51.0	1.2	1.2
2.5-1.5	63.5	38.1	210.0	51.0	1.6	1.2
3.0-1.5	76.2	38.1	220.0	51.0	1.6	1.2
4.0-1.5	101.6	38.1	260.0	51.0	2.0	1.2
2.5-2.0	63.5	50.8	210.0	56.7	1.6	1.2
3.0-2.0	76.2	50.8	220.0	59.3	1.6	1.2
4.0-2.0	101.6	50.8	260.0	56.6	2.0	1.2
3.0-2.5	76.2	63.5	220.0	73.3	1.6	1.6
4.0-2.5	101.6	63.5	260.0	73.3	2.0	1.6
4.0-3.0	101.6	76.2	260.0	71.9	2.0	1.6

Cross Tee SMS

Specification :

Material : SS 304/316L

Size : 1" - 4"



Size	d1	A	B	t
1.0	25.4	110.0	55.0	1.2
1.5	38.1	140.0	70.0	1.2
2.0	50.8	164.0	82.0	1.2
2.5	63.5	210.0	105.0	1.6
3.0	76.2	220.0	110.0	1.6
4.0	101.6	260.0	130.0	2.0

REDUCER SHORT SMS



Concentric Reducer Short SMS

Concentric Reducer

For application in vertical position.

Specification :

Material : SS 304/316L

Size : 1" - 4"



Size d1	Size d2	t1	t2	L
1.5	1.0	1.6	1.6	39.0
2.0	1.0	1.6	1.6	71.0
2.5	1.0	1.6	1.6	104.0
3.0	1.0	1.6	1.6	137.0
4.0	1.0	2.0	2.0	202.0
2.0	1.5	1.6	1.6	39.0
2.5	1.5	1.6	1.6	71.0
3.0	1.5	1.6	1.6	104.0
4.0	1.5	2.0	2.0	169.0
2.5	2.0	1.6	1.6	39.0
3.0	2.0	1.6	1.6	71.0
4.0	2.0	2.0	2.0	137.0
3.0	2.5	1.6	1.6	39.0
4.0	2.5	2.0	2.0	104.0
4.0	3.0	2.0	2.0	71.0

Eccentric Reducer Short SMS

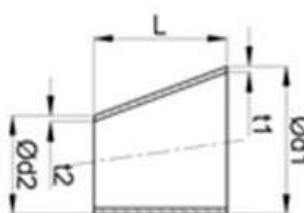
Eccentric Reducer

For application in horizontal position.

Specification :

Material : SS 304/316L

Size : 1" - 4"



Size d1	Size d2	t1	t2	L
1.5	1.0	1.6	1.6	31.4
2.0	1.0	1.6	1.6	62.9
2.5	1.0	1.6	1.6	94.3
3.0	1.0	1.6	1.6	125.7
4.0	1.0	2.0	2.0	188.6
2.0	1.5	1.6	1.6	31.4
2.5	1.5	1.6	1.6	62.9
3.0	1.5	1.6	1.6	94.3
4.0	1.5	2.0	2.0	125.7
2.5	2.0	1.6	1.6	31.4
3.0	2.0	1.6	1.6	62.9
4.0	2.0	2.0	2.0	125.7
3.0	2.5	1.6	1.6	31.4
4.0	2.5	2.0	2.0	94.3
4.0	3.0	2.0	2.0	62.9

Elbow Short SMS 90°

Specification :

Material : SS 304/316L

Size : 1" - 4"



Size	d1	L	R	t
1.0	25.4	38.1	38.1	1.2
1.5	38.1	57.2	57.2	1.2
2.0	50.8	76.2	76.2	1.2
2.5	63.5	95.3	95.3	1.6
3.0	76.2	114.3	114.3	1.6
4.0	101.6	152.4	152.4	2.0

Elbow Long SMS 90°

Specification :

Material : SS 304/316L

Size : 1" - 4"



Size	d1	L	R	t
1.0	25.4	63.1	38.1	1.2
1.5	38.1	82.2	57.2	1.2
2.0	50.8	103.2	76.2	1.2
2.5	63.5	131.8	95.3	1.6
3.0	76.2	160.3	114.3	1.6
4.0	101.6	211.1	152.4	2.0

Elbow Short SMS 45°

Specification :

Material : SS 304/316L
Size : 1" - 4"



Size	d1	L	R	t
1.0	25.4	15.8	38.1	1.2
1.5	38.1	23.8	57.2	1.2
2.0	50.8	31.8	76.2	1.2
2.5	63.5	39.6	95.3	1.6
3.0	76.2	47.6	114.3	1.6
4.0	101.6	63.5	152.4	2.0

Elbow Long SMS 45°

Specification :

Material : SS 304/316L
Size : 1" - 4"



Size	d1	L	R	t
1.0	25.4	42.5	38.1	1.2
1.5	38.1	56.8	57.2	1.2
2.0	50.8	68.6	76.2	1.2
2.5	63.5	78.4	95.3	1.6
3.0	76.2	85.2	114.3	1.6
4.0	101.6	103.0	152.4	2.0

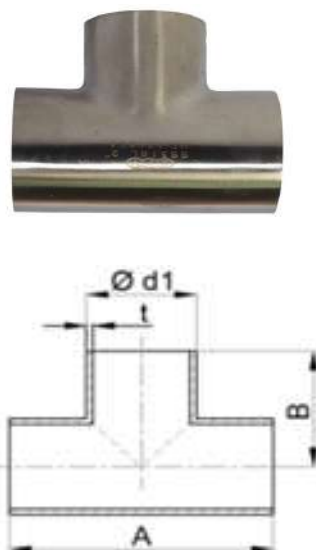
TEE-3A

Tee Short 3A

Specification :

Material : SS 304/316L

Size : 1" - 4"



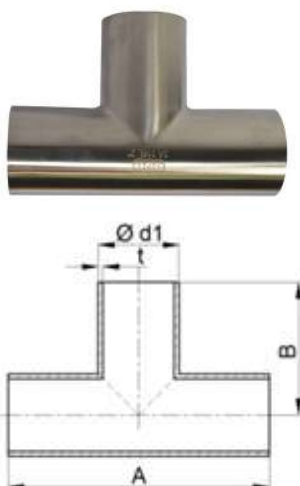
Size	d1	A	B	t
1.0	25.4	61.0	30.5	1.6
1.5	38.1	91.4	45.7	1.6
2.0	50.8	122.0	61.0	1.6
2.5	63.5	152.4	76.2	1.6
3.0	76.2	182.9	91.5	1.6
4.0	101.6	243.8	121.9	2.0
NW 125	129	375	187.5	2.0
NW 150	154	450	225	2.0

Tee Long 3A

Specification :

Material : SS 304/316L

Size : 1" - 4"



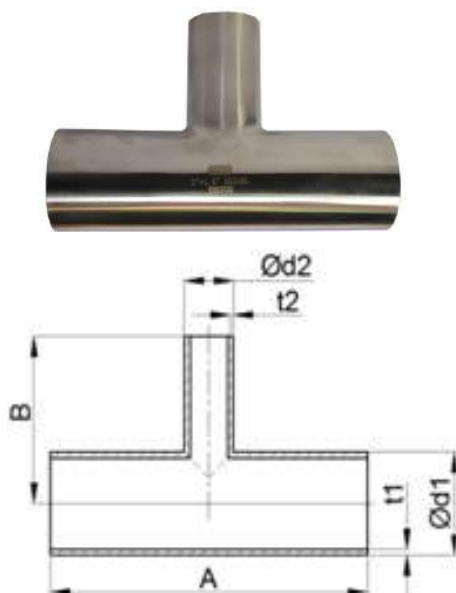
Size	d1	A	B	t
1.0	25.4	110.0	42.3	1.6
1.5	38.1	140.0	51.0	1.6
2.0	50.8	164.0	56.6	1.6
2.5	63.5	210.0	73.3	1.6
3.0	76.2	220.0	71.9	1.6
4.0	101.6	260.0	79.2	2.0

Tee Reducer 3A

Specification :

Material : SS 304/316L

Size : 1" - 4"



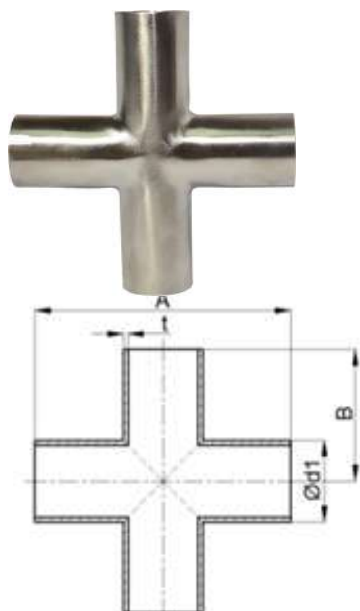
Size	d1	d2	A	B	t1	t2
1.5-1.0	38.1	25.4	140.0	42.4	1.6	1.6
2.0-1.0	50.8	25.4	164.0	42.3	1.6	1.6
2.5-1.0	63.5	25.4	210.0	42.4	1.6	1.6
3.0-1.0	76.2	25.4	220.0	42.3	1.6	1.6
4.0-1.0	101.6	25.4	260.0	42.3	2.0	1.6
2.0-1.5	50.8	38.1	164.0	51.0	1.6	1.6
2.5-1.5	63.5	38.1	210.0	51.0	1.6	1.6
3.0-1.5	76.2	38.1	220.0	51.0	1.6	1.6
4.0-1.5	101.6	38.1	260.0	51.0	2.0	1.6
2.5-2.0	63.5	50.8	210.0	56.7	1.6	1.6
3.0-2.0	76.2	50.8	220.0	59.3	1.6	1.6
4.0-2.0	101.6	50.8	260.0	56.6	2.0	1.6
3.0-2.5	76.2	63.5	220.0	73.3	1.6	1.6
4.0-2.5	101.6	63.5	260.0	73.3	2.0	1.6
4.0-3.0	101.6	76.2	260.0	71.9	2.0	1.6

Cross Tee 3A

Specification :

Material : SS 304/316L

Size : 1" - 4"



Size	d1	A	B	t
1.0	25.4	110.0	55.0	1.6
1.5	38.1	140.0	70.0	1.6
2.0	50.8	164.0	82.0	1.6
2.5	63.5	210.0	105.0	1.6
3.0	76.2	220.0	110.0	1.6
4.0	101.6	260.0	130.0	2.0

REDUCER 3A



Concentric Reducer Short 3A

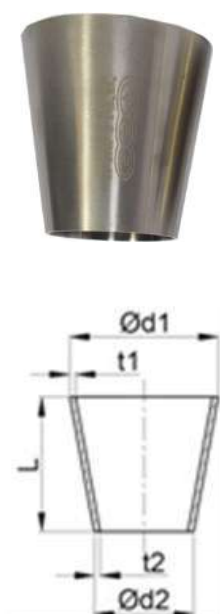
Concentric Reducer

For application in vertical position.

Specification :

Material : SS 304/316L

Size : 1" - 4"



Size d1	Size d2	t1	t2	L
1.5	1.0	1.6	1.6	39.0
2.0	1.0	1.6	1.6	71.0
2.5	1.0	1.6	1.6	104.0
3.0	1.0	1.6	1.6	137.0
4.0	1.0	2.0	2.0	202.0
2.0	1.5	1.6	1.6	39.0
2.5	1.5	1.6	1.6	71.0
3.0	1.5	1.6	1.6	104.0
4.0	1.5	2.0	2.0	169.0
2.5	2.0	1.6	1.6	39.0
3.0	2.0	1.6	1.6	71.0
4.0	2.0	2.0	2.0	137.0
3.0	2.5	1.6	1.6	39.0
4.0	2.5	2.0	2.0	104.0
4.0	3.0	2.0	2.0	71.0

Eccentric Reducer Short 3A

Eccentric Reducer

For application in horizontal position.

Specification :

Material : SS 304/316L

Size : 1" - 4"



Size d1	Size d2	t1	t2	L
1.5	1.0	1.6	1.6	31.4
2.0	1.0	1.6	1.6	62.9
2.5	1.0	1.6	1.6	94.3
3.0	1.0	1.6	1.6	125.7
4.0	1.0	2.0	2.0	188.6
2.0	1.5	1.6	1.6	31.4
2.5	1.5	1.6	1.6	62.9
3.0	1.5	1.6	1.6	94.3
4.0	1.5	2.0	2.0	125.7
2.5	2.0	1.6	1.6	31.4
3.0	2.0	1.6	1.6	62.9
4.0	2.0	2.0	2.0	125.7
3.0	2.5	1.6	1.6	31.4
4.0	2.5	2.0	2.0	94.3
4.0	3.0	2.0	2.0	62.9

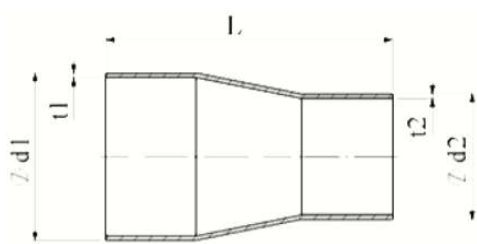
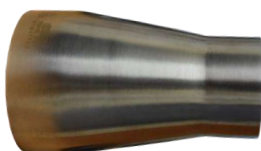
REDUCER LONG 3A

Concentric Reducer

For application in vertical position.

Specification :

Material : SS 304/316L
Size : 1" - 4"



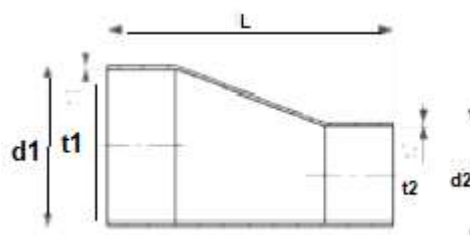
Size d1	Size d2	t1	t2	L
1.5	1.0	1.6	1.6	64.0
2.0	1.0	1.6	1.6	96.0
2.5	1.0	1.6	1.6	129.0
3.0	1.0	1.6	1.6	162.0
4.0	1.0	2.0	2.0	227.0
2.0	1.5	1.6	1.6	64.0
2.5	1.5	1.6	1.6	96.0
3.0	1.5	1.6	1.6	129.0
4.0	1.5	2.0	2.0	194.0
2.5	2.0	1.6	1.6	64.0
3.0	2.0	1.6	1.6	96.0
4.0	2.0	2.0	2.0	162.0
3.0	2.5	1.6	1.6	64.0
4.0	2.5	2.0	2.0	129.0
4.0	3.0	2.0	2.0	96.0

Eccentric Reducer

For application in horizontal position.

Specification :

Material : SS 304/316L
Size : 1" - 4"



Size d1	Size d2	t1	t2	L
1.5	1.0	1.6	1.6	56.4
2.0	1.0	1.6	1.6	87.9
2.5	1.0	1.6	1.6	119.3
3.0	1.0	1.6	1.6	150.7
4.0	1.0	2.0	2.0	213.6
2.0	1.5	1.6	1.6	56.4
2.5	1.5	1.6	1.6	87.9
3.0	1.5	1.6	1.6	119.3
4.0	1.5	2.0	2.0	150.7
2.5	2.0	1.6	1.6	56.4
3.0	2.0	1.6	1.6	87.9
4.0	2.0	2.0	2.0	150.7
3.0	2.5	1.6	1.6	56.4
4.0	2.5	2.0	2.0	119.3
4.0	3.0	2.0	2.0	87.9

Elbow Short 3A 90°

Specification :

Material : SS 304/316L

Size : 1" - 4"



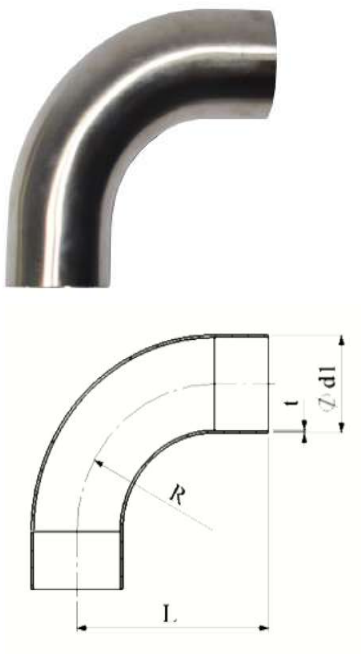
Size	d1	L	R
1.0	25.4	38.1	38.1
1.5	38.1	57.2	57.2
2.0	50.8	76.2	76.2
2.5	63.5	95.3	95.3
3.0	76.2	114.3	114.3
4.0	101.6	152.4	152.4
NW 125	225	225	225
NW 150	154	300	300

Elbow Long 3A 90°

Specification :

Material : SS 304/316L

Size : 1" - 4"



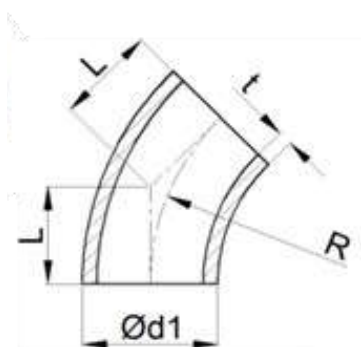
Size	L1	D	R
1/2	19.1	12.7	19.1
3/4	28.6	19.2	28.6
1	38.1	25.4	50.4
1 1/2	57.2	38.1	63.1
2	76.2	50.8	76.2
2 1/2	95.3	63.5	95.3
3	114.3	76.2	114.3
4	152.4	101.6	152.4

Elbow Short 3A 45°

Specification :

Material : SS 304/316L

Size : 1" - 4"



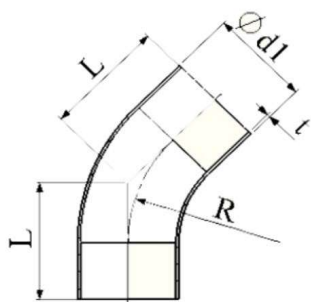
Size	d1	L	R	t
1.0	25.4	15.8	38.1	1.2
1.5	38.1	23.8	57.2	1.2
2.0	50.8	31.8	76.2	1.2
2.5	63.5	39.6	95.3	1.6
3.0	76.2	47.6	114.3	1.6
4.0	101.6	63.5	152.4	2.0

Elbow Long 3A 45°

Specification :

Material : SS 304/316L

Size : 1" - 4"



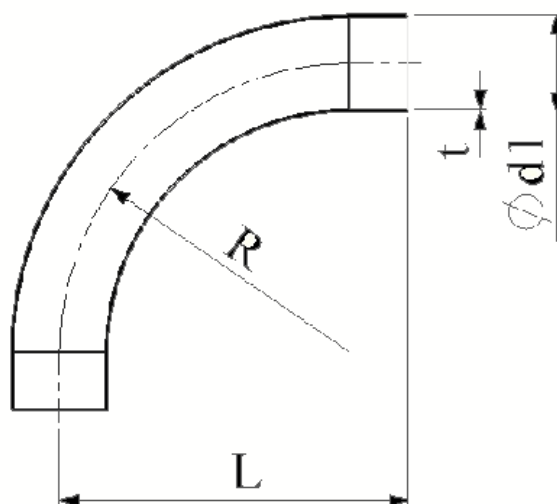
Size	d1	L	R	t
1.0	25.4	42.5	38.1	1.2
1.5	38.1	56.8	57.2	1.2
2.0	50.8	68.6	76.2	1.2
2.5	63.5	78.4	95.3	1.6
3.0	76.2	85.2	114.3	1.6
4.0	101.6	103.0	152.4	2.0

Elbow Long 3D

Specification :

Material : SS 304/316L

Size : 1" - 4"



Size	d1	L	R	t
1.0	25.4	103.2	76.2	1.6
1.5	38.1	141.3	114.3	1.6
2.0	50.8	179.4	152.4	1.6
2.5	63.5	227.1	190.5	1.6
3.0	76.2	274.6	228.6	1.6
4.0	101.6	363.5	304.8	2.0



"we make your products more clean, hygienic and healthy"



The image displays a collection of industrial-grade stainless steel sanitary components. In the background, two large circular flanges with multiple bolt holes are visible. In the foreground, there are two smaller cylindrical components, a flat circular disc, and a larger circular disc with a central hub and a chain attached. A red banner is overlaid on the lower left portion of the image.

Union Sanitary

Union Ferulle



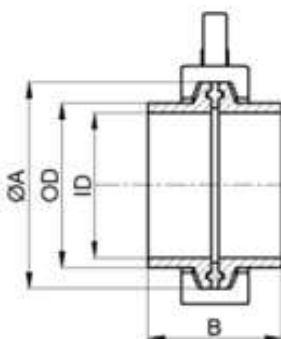
Union Ferrule 21.5 MM

Specification :

Material : SS 304/316L

Size : 1" - 4"

Gasket : Silicone /EPDM/ Viton/ Teflon



Size	OD	ID	A	B
1.0	25.4	22.2	50.5	45.0
1.5	38.1	34.9	50.5	45.0
2.0	50.8	47.6	64.0	45.0
2.5	63.5	60.3	77.5	45.0
3.0	76.2	73.0	91.0	45.0
4.0	101.6	97.6	119.0	45.0
NW125	129	125	155	45
NW 150	154	150	183	45

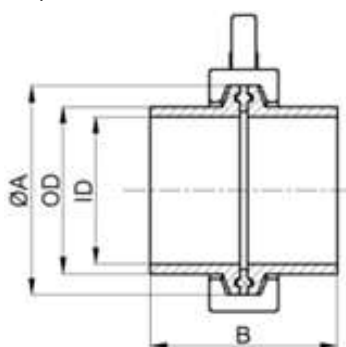
Union Ferrule 28.6 MM

Specification :

Material : SS 304/316L

Size : 1" - 4"

Gasket : Silicone / EPDM / Viton/ Teflon

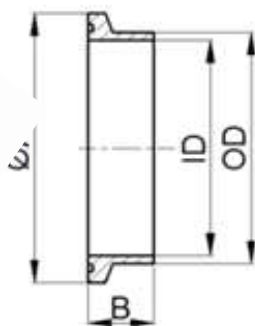


Size	OD	ID	A	B
1.0	25.4	22.2	50.5	59.0
1.5	38.1	34.9	50.5	59.0
2.0	50.8	47.6	64.0	59.0
2.5	63.5	60.3	77.5	59.0
3.0	76.2	73.0	91.0	59.0
4.0	101.6	97.6	119.0	59.0

Ferrule Weld 21.5 MM

Specification :

Material : SS 304/316L
Size : 1" - 4"
Gasket : Silicone / EPDM / Viton/ Teflon

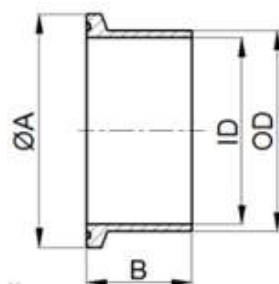


Size	OD	ID	A	B
1.0	25.4	22.2	50.5	21.5
1.5	38.1	34.9	50.5	21.5
2.0	50.8	47.6	64.0	21.5
2.5	63.5	60.3	77.5	21.5
3.0	76.2	73.0	91.0	21.5
4.0	101.6	97.6	119.0	21.5
NW125	129	125	155	21.5
NW 150	154	150	183	21.5

Ferrule Weld 28.6 MM (orbital)

Specification :

Material : SS 304/316L
Size : 1" - 4"
Gasket : Silicone / EPDM / Viton/ Teflon

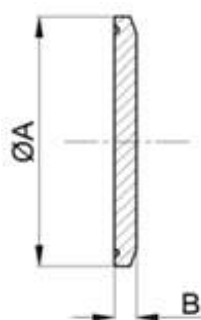


Size	OD	ID	A	B
1.0	25.4	22.2	50.5	28.6
1.5	38.1	34.9	50.5	28.6
2.0	50.8	47.6	64.0	28.6
2.5	63.5	60.3	77.5	28.6
3.0	76.2	73.0	91.0	28.6
4.0	101.6	97.6	119.0	28.6

Blind Ferrule

Specification :

Material : SS 304/316L
Size : 1" - 4"
Gasket : Silicone / EPDM / Viton/ Teflon

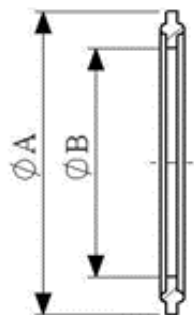


Size	A	B
1.0	50.5	6.0
1.5	50.5	6.0
2.0	64.0	6.0
2.5	77.5	6.0
3.0	91.0	7.0
4.0	119.0	8.0
NW125	155	11
NW 150	183	11

Gasket Ferrule

Specification :

Material : SS 304/316L
 Size : 1" - 4"
 Gasket : Silicone / EPDM / Viton/ Teflon

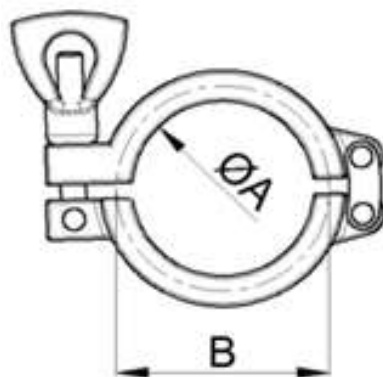


Size	A	B
1.0	50.5	22.8
1.5	50.5	35.5
2.0	64.0	48.2
2.5	77.5	60.5
3.0	91.0	73.2
4.0	119.0	97.8
NW125	155	125
NW 150	183	150

Clamp Ferrule

Specification :

Material : SS 304/316L
 Size : 1" - 4"
 Silicone / EPDM / Viton/ Teflon



Size	A	B
1.0	41.0	53.5
1.5	41.0	53.5
2.0	54.5	67.0
2.5	68.0	80.5
3.0	81.5	94.0
4.0	109.5	122.0
NW125	159	174
NW 150	187	202

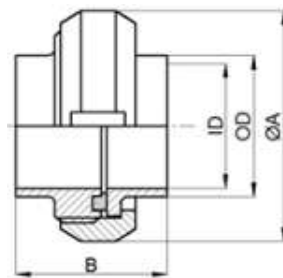
Union SMS



UNION SMS SHORT

Specification :

Material : SS 304/316L
 Size : 1" - 4"
 Gasket : Silicone / EPDM / Viton/ Teflon

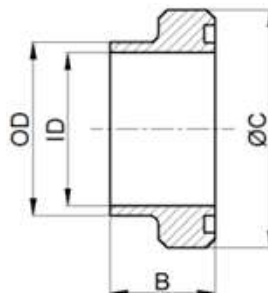


Size	OD	ID	B	A
1.0	25.4	22.6	34.5	50.0
1.5	38.1	35.6	36.0	72.0
2.0	50.8	48.6	40.0	82.0
2.5	63.5	60.3	44.0	100.0
3.0	76.2	72.9	45.0	114.0
4.0	101.6	97.6	50.0	138.0

MALE WELD SMS SHORT

Specification :

Material : SS 304/316L
 Size : 1" - 4"
 Gasket : Silicone / EPDM / Viton/ Teflon

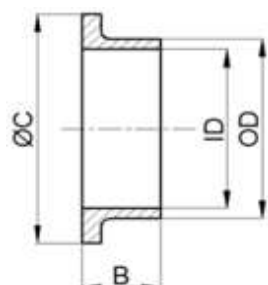


Size	OD	ID	B	C
1.0	25.4	22.6	19.0	40-6
1.5	38.1	35.6	23.0	60-6
2.0	50.8	48.6	23.0	70-6
2.5	63.5	60.3	27.0	85-6
3.0	76.2	72.9	27.0	98-6
4.0	101.6	97.6	30.0	125-6
4.0	101.6	97.6	30.0	125-4

LINER WELD SMS SHORT

Specification :

Material : SS 304/316L
 Size : 1" - 4"
 Gasket : Silicone / EPDM / Viton/ Teflon

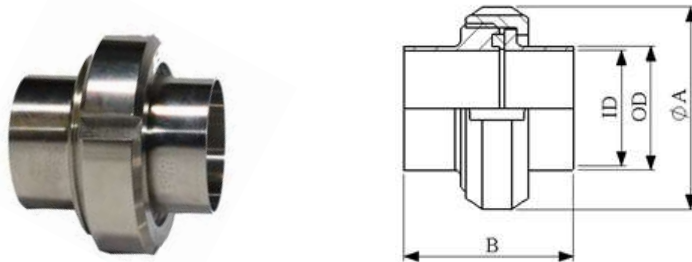


Size	OD	ID	B	C
1.0	25.4	22.6	15.5	35.5
1.5	38.1	35.6	16.0	55.0
2.0	50.8	48.6	17.0	65.0
2.5	63.5	60.3	17.0	80.0
3.0	76.2	72.9	19.0	93.0
4.0	101.6	97.6	19.0	118.0

UNION SMS LONG

Specification :

Material : SS 304/316L
Size : 1" - 4"
Gasket : Silicone / EPDM / Viton/ Teflon

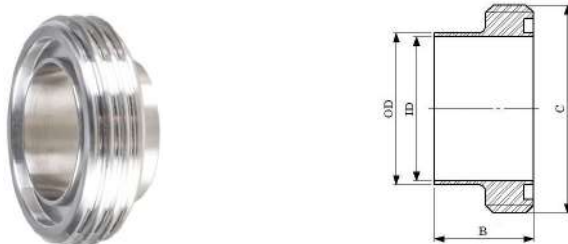


Size	OD	ID	B	A
1.0	25.4	22.6	71.5	50.0
1.5	38.1	35.6	76.0	72.0
2.0	50.8	48.6	77.0	82.0
2.5	63.5	60.3	81.0	100.0
3.0	76.2	72.9	82.0	114.0
4.0	101.6	97.6	82.0	138.0

MALE WELD SMS LONG

Specification :

Material : SS 304/316L
Size : 1" - 4"
Gasket : Silicone / EPDM / Viton/ Teflon



Size	OD	ID	B	C
1.0	25.4	22.6	35.0	40-6
1.5	38.1	35.6	39.5	60-6
2.0	50.8	48.6	39.5	70-6
2.5	63.5	60.3	43.5	85-6
3.0	76.2	72.9	43.5	98-6
4.0	101.6	97.6	43.5	125-6

LINER WELD SMS LONG

Specification :

Material : SS 304/316L
Size : 1" - 4"
Gasket : Silicone / EPDM / Viton/ Teflon

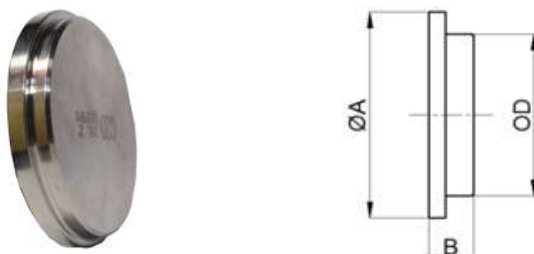


Size	OD	ID	B	C
1.0	25.4	22.6	27.5	35.5
1.5	38.1	35.6	27.5	55.0
2.0	50.8	48.6	28.5	65.0
2.5	63.5	60.3	28.5	80.0
3.0	76.2	72.9	29.5	93.0
4.0	101.6	97.6	29.5	118.0

BLIND LINER SMS

Specification :

Material : SS 304/316L
Size : 1" - 4"
Gasket : Silicone / EPDM / Viton/ Teflon

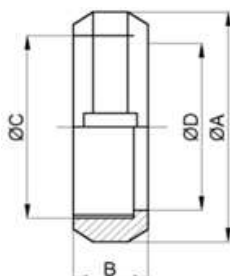


Size	OD	A	B
1.0	30.0	35.5	9.0
1.5	46.0	55.0	9.0
2.0	58.0	65.0	10.0
2.5	72.0	80.0	10.0
3.0	85.0	93.0	12.0
4.0	110.0	118.0	12.0

SMS ROUND NUT

Specification :

Material : SS 304/316L
Size : 1" - 4"
Gasket : Silicone / EPDM / Viton/ Teflon

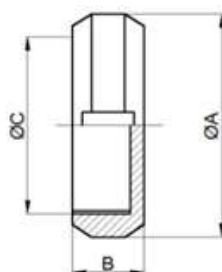


Size	A	B	C	D
1.0	51.0	20.0	40-6	32.0
1.5	74.0	25.0	60-6	48.0
2.0	84.0	26.0	70-6	60.5
2.5	100.0	30.0	85-6	74.0
3.0	114.0	32.0	98-6	87.0
4.0	138.0	32.0	125-6	112.0

SMS BLIND ROUND NUT

Specification :

Material : SS 304/316L
Size : 1" - 4"
Gasket : Silicone / EPDM / Viton/ Teflon

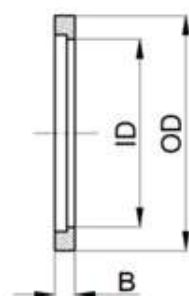


Size	A	B	C
1.0	51.0	20.0	40-6
1.5	74.0	25.0	60-6
2.0	84.0	26.0	70-6
2.5	100.0	30.0	85-6
3.0	114.0	32.0	98-6
4.0	138.0	32.0	125-6

SMS GASKET

Specification :

Material : SS 304/316L
Size : 1" - 4"
Gasket : Silicone / EPDM / Viton/ Teflon



Size	OD	ID	B
1.0	31.5	22.6	5.0
1.5	48.6	35.6	5.0
2.0	60.8	48.6	5.0
2.5	73.3	60.3	5.0
3.0	86.6	72.9	5.0
4.0	111.8	97.6	5.0

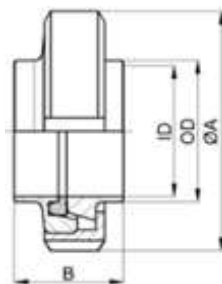
UNION DIN 11851



UNION DIN 11851

Specification :

Material : SS 304/316L
Size : 1" - 4"

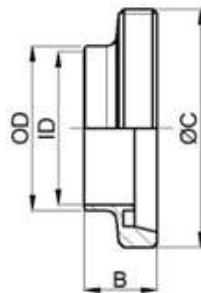


Size	OD	ID	A	B
25	29	26	63	45
32	35	32	70	51
40	41	38	78	53
50	53	50	92	57
65	70	66	112	65
80	85	81	127	75
100	104	100	148	89
NW125	129	125	178	70
NW 150	183	150	210	76

MALE WELD SHORT 11851

Specification :

Material : SS 304/316L
Size : 1" - 4"

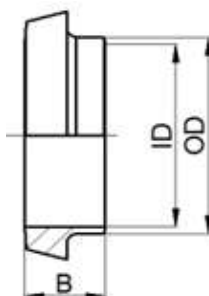


Size	OD	ID	B	C
25	29	26	29	52-6
32	35	32	32	58-6
40	41	38	33	65-6
50	53	50	35	78-6
65	70	66	40	95-6
80	85	81	45	110-4
100	104	100	54	130-4
NW125	129	125	46	160-4
NW 150	183	150	50	190-4

LINER WELD SHORT 11851

Specification :

Material : SS 304/316L
Size : 1" - 4"



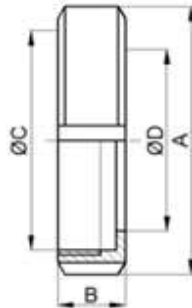
Size	OD	ID	B
25	29	26	22
32	35	32	25
40	41	38	26
50	53	50	28
65	70	66	32
80	85	81	37
100	104	100	44
NW125	129	125	34
NW 150	183	150	37

Round Nut 11851

Specification :

Material : SS 304/316L

Size : 1" - 4"



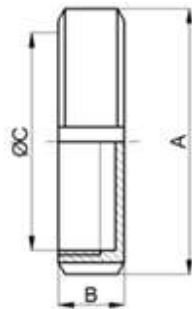
Size	A	B	C	D
25	63	21	52-6	36
32	70	21	58-6	42
40	78	21	65-6	49
50	92	22	78-6	62
65	112	25	95-6	80
80	127	30	110-4	94
100	148	31	130-4	115
NW125	178	35	160-4	138
NW 150	210	40	190-4	164

Blind Round Nut 11851

Specification :

Material : SS 304/316L

Size : 1" - 4"



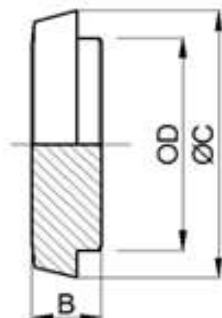
Size	A	B	C
25	63	21	52-6
32	70	21	58-6
40	78	21	65-6
50	92	22	78-6
65	112	25	95-6
80	127	30	110-4
100	148	31	130-4
NW125	129	35	160-4
NW 150	183	40	190-4

Blind Liner 11851

Specification :

Material : SS 304/316L

Size : 1" - 4"



Size	OD	B
25	29	15
32	35	15
40	41	15
50	53	16
65	70	17
80	85	17
100	104	20

GASKET

Specification :

Size : 1" - 4"

Gasket : Silicone / EPDM / Viton/ Teflon



Size	OD	ID	B
1.0	31.5	22.6	5.0
1.5	48.6	35.6	5.0
2.0	60.8	48.6	5.0
2.5	73.3	60.3	5.0
3.0	86.6	72.9	5.0
4.0	111.8	97.6	5.0
NW125	142	125	7.0
NW 150	167	150	7.0

Blind Round Nut Din With Chain

Specification :

Material : SS 304/316L



Size	A	B	C
25	63	21	52-6
32	70	21	58-6
40	78	21	65-6
50	92	22	78-6
65	112	25	95-6
80	127	30	110-4
100	148	31	130-4
NW125	129	35	160-4
NW 150	183	40	190-4



"fresh ideas and brilliant in developing new products and realizing customer needs"

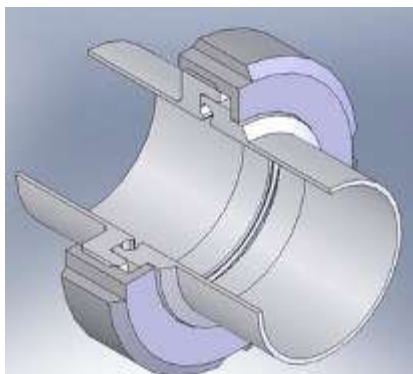
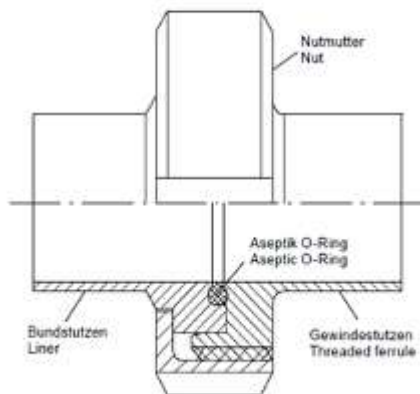
Union DIN 11864-1

According to DIN 11864-1
Form A with O-ring
Overall length type N (normal)
Finish: Semi-bright
Connections: For orbital welding
Thread: Round type



Aseptik-Rohrverschraubungen DIN 11864-1, Form A
Aseptic screwed pipe connections DIN 11864-1, Form A

Hygiene-Rohrverschraubungen DIN 11853-1
Hygienic screwed pipe connections DIN 11853-1



Specification:

- Stainless Steel 316L
- Ra. max 0.8 μm on product contact surface
- EPDM/Viton/PTFE
- Refers to DIN 11864-1

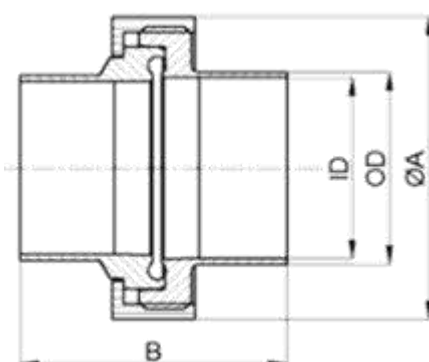
Application

The aseptic and the hygienic screwed pipe connections are compatible and differ only in the axial length. They are used with process facilities for liquid media with high purity requirements. Preferential fields of application are bio-engineering, cosmetics, chemical, pharmaceutical, food, and beverage industry.

Assembly

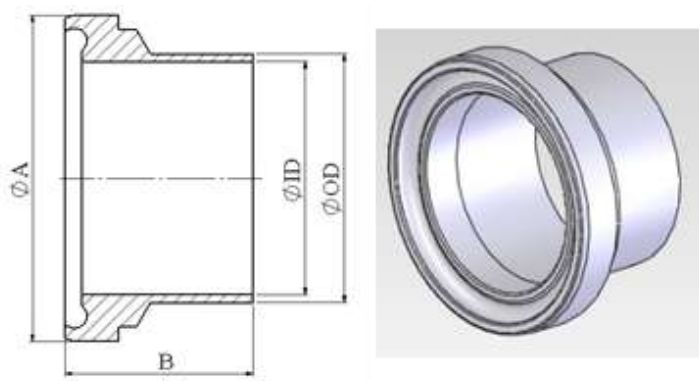
During the assembly the O-Ring is positioned in the liner whereby the O-Ring is automatically held. Then the threaded ferrule is put against so that the liner and the threaded ferrule interlock. By this the liner, the threaded ferrule and the O-Ring are coaxially centered. Then the nut is shoved over the liner and screwed onto the threaded ferrule until the fronts of the ferrule and the liner get together. Thereby, the O-Ring is deformed in such way that an even and free of dead space thoroughfare and a tight connection is attained.

Union DIN 11864-1 Long (Orbital)



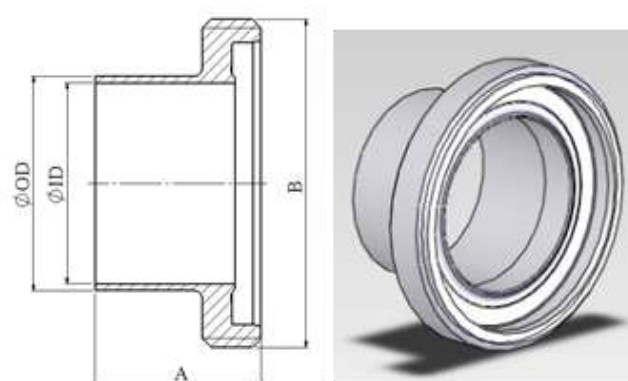
Size	OD	ID	A	B
1.0	25.4	22.1	63	67
1.5	38.1	34.8	78	70
2.0	50.8	47.5	92	71
2.5	63.5	60.2	112	77
3.0	76.2	72.9	127	79
4.0	101.6	97.4	148	81

Liner DIN 11864-1 Long (Orbital)



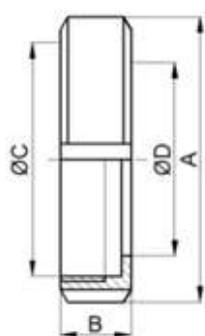
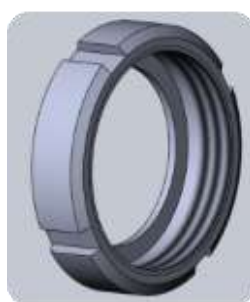
Size	OD	ID	A	B
1.0	25.4	22.1	42.8	35.0
1.5	38.1	34.8	54.8	37.5
2.0	50.8	47.5	66.8	38.5
2.5	63.5	60.2	84.8	44.0
3.0	76.2	72.9	98.8	42.0
4.0	101.6	97.4	118.8	46.0

Male DIN 11864-1 Long (Orbital)



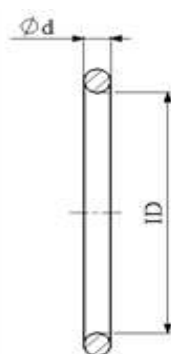
Size	OD	ID	A	B
1.0	25.4	22.1	38.0	52-6
1.5	38.1	34.8	39.5	58-6
2.0	50.8	47.5	39.5	65-6
2.5	63.5	60.2	41.0	78-6
3.0	76.2	72.9	45.0	95-6
4.0	101.6	97.4	45.0	110-4

Round Nut DIN



Size	A	B	C	D
25	63	21	52-6	36
40	78	21	65-6	49
50	92	22	78-6	62
65	112	25	95-6	80
80	127	30	110-4	94
100	148	31	130-4	115

O-Ring DIN 11864



Size	OD	ID	A	B
1.0	25.4	22.1	63	67
1.5	38.1	34.8	78	70
2.0	50.8	47.5	92	71
2.5	63.5	60.2	112	77
3.0	76.2	72.9	127	79
4.0	101.6	97.4	148	81

Union DIN 11864-2



Form A with O-ring
Overall length type N (normal)
Finish: Semi-bright
Connections: For orbital welding

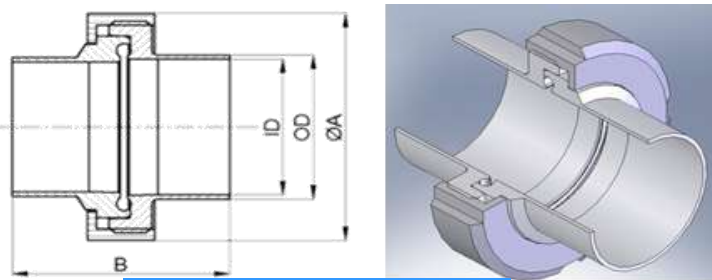
Specification:

- Austenitic SS grade 316L
- Ra. max 0.8 μm on product contact surface
- EPDM / Viton
- Refers to DIN 11864-2, Form A, Series C

Application

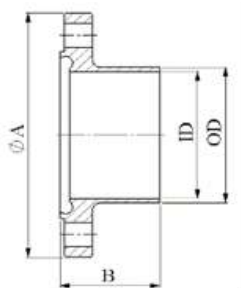
The aseptic and the hygienic flange pipe connections are compatible and differ only in the axial length. They are used with process facilities for liquid media with high purity requirements. Preferential fields of application are bio-engineering, cosmetics, chemical, pharmaceutical, food, and beverage industry.

Union DIN 11864-2 Long (Orbital)



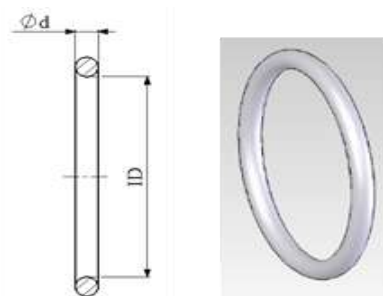
Size	OD	ID	A	B
1.0	25.4	22.1	63	67
1.5	38.1	34.8	78	70
2.0	50.8	47.5	92	71
2.5	63.5	60.2	112	77
3.0	76.2	72.9	127	79
4.0	101.6	97.4	148	81

Flange Groove DIN 11864-2 Long (Orbital)



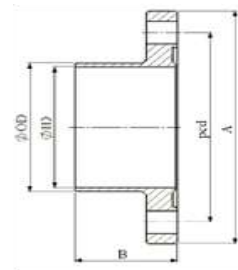
Size	OD	ID	A	B
1.0	25.4	22.1	66.0	34.5
1.5	38.1	34.8	79.0	34.5
2.0	50.8	47.5	92.0	34.5
2.5	63.5	60.2	107.0	34.5
3.0	76.2	72.9	125.0	36.5
4.0	101.6	97.4	157.0	38.5

O-Ring DIN 11864



Size	OD	ID	A	B
1.0	25.4	22.1	63	67
1.5	38.1	34.8	78	70
2.0	50.8	47.5	92	71
2.5	63.5	60.2	112	77
3.0	76.2	72.9	127	79
4.0	101.6	97.4	148	81

Flange Notch DIN 11864-2 Long (Orbital)



Size	OD	ID	A	B
1.0	25.4	22.1	66.0	33.0
1.5	38.1	34.8	79.0	33.0
2.0	50.8	47.5	92.0	33.0
2.5	63.5	60.2	107.0	33.0
3.0	76.2	72.9	125.0	35.0
4.0	101.6	97.4	157.0	37.0

Union DIN 11864-3



Specification:

- Austenitic SS grade 316L
- Ra. max 0.8 μm on product contact surface
- EPDM / Viton
- Refers to DIN 11864-3, Form A, Series C

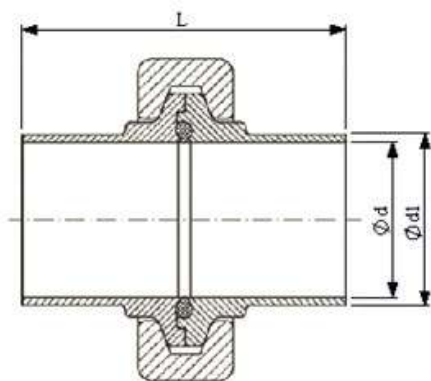
Application

The aseptic and the hygienic flange pipe connections are compatible and differ only in the axial length. They are used with process facilities for liquid media with high purity requirements. Preferential fields of application are bio-engineering, cosmetics, chemical, pharmaceutical, food, and beverage industry.

Union DIN 11864-3 Long (Orbital)

This type of clamp union are design to fit aseptic seals that effect a smooth interface within pipe work which simultaneously achieving metal to metal seat behind the joint.

Union DIN 11864-3 Long (orbital)



Size	OD	ID	L
1.0	25.4	22.1	77
1.5	38.1	34.8	88
2.0	50.8	47.5	89
2.5	63.5	60.2	115
3.0	76.2	72.9	117
4.0	101.6	97.4	119



“Fresh ideas and Brilliant in developing new Products and realizing customer needs”

Union IDF



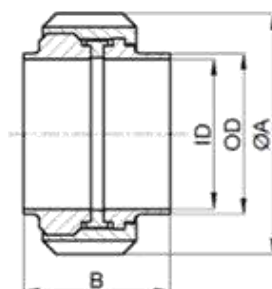
Union IDF Round

Specification :

Material : SS 304/316L

Size : 1" - 4"

Gasket : Silicone / EPDM / Viton/ Teflon



Size	OD	ID	A	B
1.0	25.4	22.2	44.5	47
1.5	38.1	34.9	57.2	47
2.0	50.8	47.6	70	47
2.5	63.5	60.3	86	47
3.0	76.2	73.0	102	47
4.0	101.6	98.4	131	64

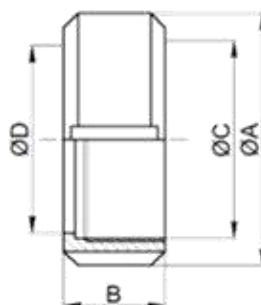
Round Nut IDF

Specification :

Material : SS 304/316L

Size : 1" - 4"

Gasket : Silicone / EPDM / Viton/ Teflon



Size	A	B	C	D
1.0	30.5	30.0	38.0-8	30.5
1.5	43.5	30.0	51.5-8	43.5
2.0	57.0	30.0	65.0-8	57.0
2.5	70.7	30.0	78.6-8	70.7
3.0	83.3	30.0	92.1-8	83.3
4.0	112.0	35.0	126.8-6	112.0

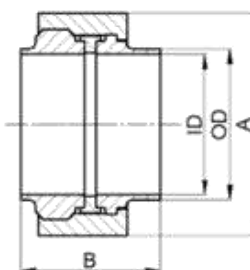
Union IDF Hexagonal

Specification :

Material : SS 304/316L

Size : 1" - 4"

Gasket : Silicone / EPDM / Viton/ Teflon



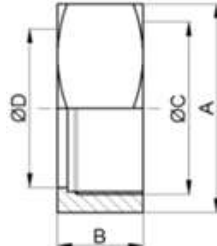
Size	OD	ID	A	B
1.0	25.4	22.2	46	47
1.5	38.1	34.9	60	47
2.0	50.8	47.6	75	47
2.5	63.5	60.3	90	47
3.0	76.2	73.0	105	47
4.0	101.6	98.4	133	64

Hex Nut IDF

Specification :

Material : SS 304/316L

Size : 1" - 4"



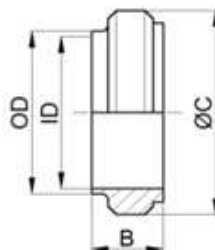
Size	A	B	C	D
1.0	46.0	30.0	38.0-8	30.5
1.5	60.0	30.0	51.5-8	43.5
2.0	75.0	30.0	65.0-8	57.0
2.5	90.0	30.0	78.6-8	70.7
3.0	105.0	30.0	92.1-8	83.3
4.0	133.0	35.0	126.8-6	112.0

Male Weld IDF

Specification :

Material : SS 304/316L

Size : 1" - 4"



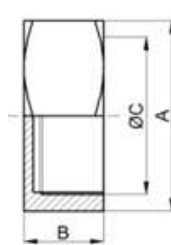
Size	OD	ID	B	C
1.0	25.4	22.2	21.5	37.1-8
1.5	38.1	34.9	21.5	50.6-8
2.0	50.8	47.6	21.5	64.2-8
2.5	63.5	60.3	21.5	77.7-8
3.0	76.2	73.0	21.5	91.2-8
4.0	101.6	98.4	30.0	125.8-6

Blind Hex Nut IDF

Specification :

Material : SS 304/316L

Size : 1" - 4"



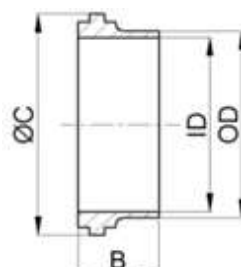
Size	A	B	C
1.0	46.0	30.0	38.0-8
1.5	60.0	30.0	51.5-8
2.0	75.0	30.0	65.0-8
2.5	90.0	30.0	78.6-8
3.0	105.0	30.0	92.1-8
4.0	133.0	35.0	126.8-6

Liner Weld IDF

Specification :

Material : SS 304/316L

Size : 1" - 4"



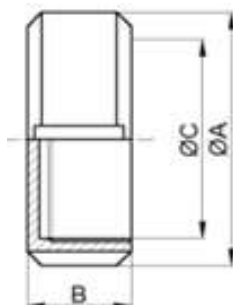
Size	OD	ID	B	C
1.0	25.4	22.2	21.5	33.8
1.5	38.1	34.9	21.5	47.0
2.0	50.8	47.6	21.5	60.5
2.5	63.5	60.3	21.5	74.0
3.0	76.2	73.0	21.5	87.5
4.0	101.6	98.4	30.0	120.6

Blind Round Nut IDF

Specification :

Material : SS 304/316L

Size : 1" - 4"



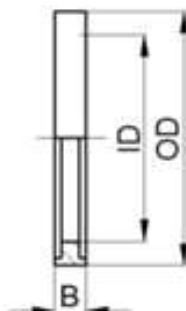
Size	A	B	C
1.0	46.0	30.0	38.0-8
1.5	60.0	30.0	51.5-8
2.0	75.0	30.0	65.0-8
2.5	90.0	30.0	78.6-8
3.0	105.0	30.0	92.1-8
4.0	133.0	35.0	126.8-6

Gasket IDF

Specification :

Gasket : Silicone/EPDM/Viton

Size : 1" - 4"



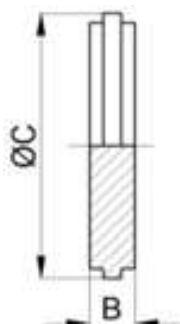
Size	OD	ID	B
1.0	32.5	7.0	7.0
1.5	46.0	7.0	7.0
2.0	59.5	7.0	7.0
2.5	73.2	7.0	7.0
3.0	86.5	7.0	7.0
4.0	119.0	9.6	9.6

Blind Liner IDF

Specification :

Material : SS 304/316L

Size : 1" - 4"



Size	B	C
1.0	10.5	33.8
1.5	10.5	47.0
2.0	10.5	60.5
2.5	10.5	74.0
3.0	10.5	87.5
4.0	12.7	120.6



Valve Sanitary

Butterfly Manual ABS Handle

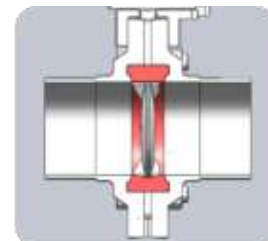
Specification:

- Austenitic SS grade 304/316L
- Ra. max 0.8 μm on product contact surface
- Working operation pressure max 10 bar
- Gasket option : EPDM /Silicone/Viton
- Handle ABS plastic

Working Principles

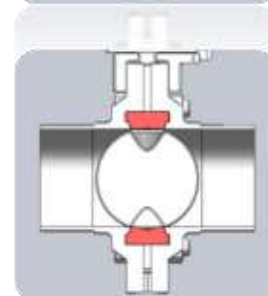
1. Close Position

Fluid flow inside tube is blocked by means of a disc which turns at 0 degree position.



2. Open Position

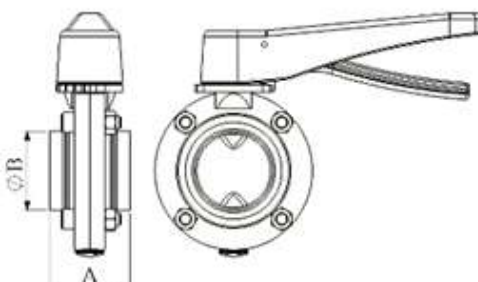
Fluid flows inside tube caused by means of a disc which turns at 90 degrees or less position.



Ordering Information



INCH SERIES

	Size	A	B
	1.0	52.0	25.4
	1.5	52.0	38.1
	2.0	52.0	50.8
	2.5	52.0	63.5
	3.0	56.0	76.2
	4.0	60.0	101.6

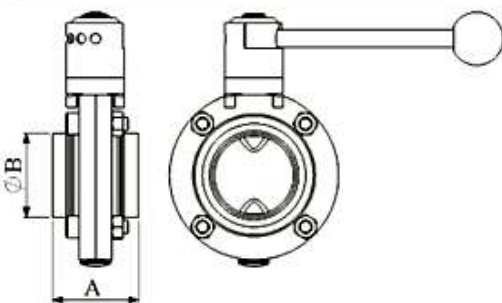
Butterfly Manual 4 Positions

Specification:

- Austenitic SS grade 304/316L
- Ra. max 0.8 μm on product contact surface
- Working operation pressure max 10 bar
- Gasket option : EPDM /Silicone/Viton



INCH SERIES

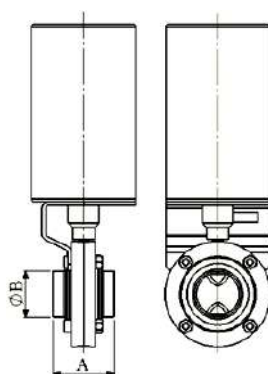
	Size	A	B
	1.0	52.0	25.4
	1.5	52.0	38.1
	2.0	52.0	50.8
	2.5	52.0	63.5
	3.0	56.0	76.2
	4.0	60.0	101.6

Auto Butterfly Valve

Specification:

- Austenitic SS grade 304/316L
- Ra. max 0.8 μm on product contact surface
- Working operation pressure max 10 bar
- Actuator air pressure 4 – 7 bar
- Gasket option : EPDM /Silicone/Viton

Ordering Information



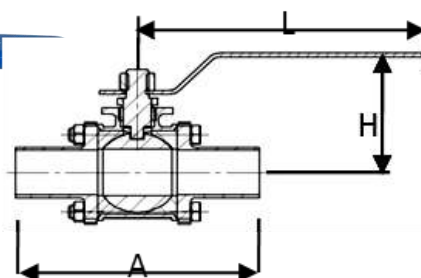
Size	A	B
1.0	52.0	25.4
1.5	52.0	38.1
2.0	52.0	50.8
2.5	52.0	63.5
3.0	56.0	76.2
4.0	60.0	101.6

Ball Valve 3-Piece Sanitary

Specification:

- Austenitic SS grade 316L for contact product, austenitic SS grade 304 for not contact product
- Ra. max 0.8 μm on product contact surface
- Seat valve Teflon (PTFE)
- Max working pressure $\frac{1}{2}$ " – 2" : 1000WOG
- Max working pressure 2 $\frac{1}{2}$ " – 4" : 800WOG
- Temperature range (PTFE) -20°C - 150°C

Ordering Information

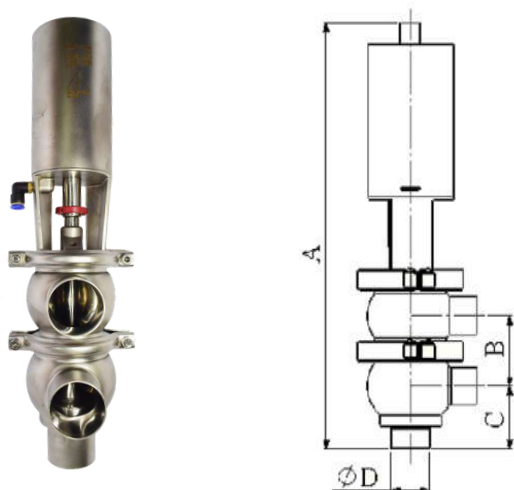


Size	A	L	H
1.0	114	186	87
1.5	140	197	109
2.0	159	197	117
2.5	197	265	139
3.0	227	265	149
4.0	241	321	195

Auto Adapting Type F

Specification:

- Austenitic SS grade 304/316L
- Ra. max 0.8 μm on product contact surface
- Working operation pressure max 10 bar
- Actuator air pressure 4 – 7 bar
- Gasket option : EPDM /Silicone/Viton
- Two holes on Support for two proximities seat
- Available with optional unions
- Available in manual type



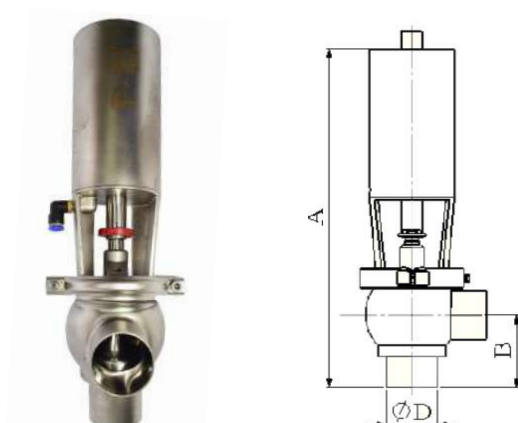
Ordering Information

Size	D	B	C	A
1.0	25.4	53.0	38.0	347.0
1.5	38.1	68.5	50.0	388.5
2.0	50.8	83.2	60.0	454.5
2.5	63.5	96.0	72.0	490.0

Auto Adapting Type L

Specification:

- Austenitic SS grade 304/316L
- Ra. max 0.8 μm on product contact surface
- Working operation pressure max 10 bar
- Actuator air pressure 4 – 7 bar
- Gasket option : EPDM /Silicone/Viton
- Two holes on Support for two proximities seat
- Available with optional unions
- Available in manual type



Ordering Information

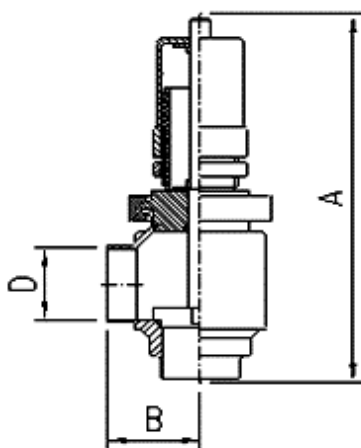
Size	D	B	A
1.0	25.4	38.0	270.0
1.5	38.1	50.0	287.0
2.0	50.8	60.0	335.0
2.5	63.5	72.0	352.0

Overflow Valve

Specification:

- Austenitic SS grade 304/316L
- Ra. max 0.8 μm on product contact surface
- Opening pressure 0.5 - 6 bar
- Gasket option : EPDM /Silicone/Viton
- Available with Lifting Device (Actuator) for easy cleaning

Ordering Information



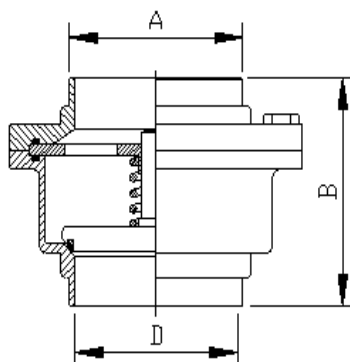
Size	D	B	A
1.0	23.0	38.0	192.0
1.5	35.7	50.0	214.0
2.0	47.8	60.0	252.0
2.5	60.5	72.0	266.0
3.0	73.0	96.0	396.0

Non Return Valve

Specification:

- Austenitic SS grade 304/316L
- Ra. max 0.8 μm on product contact surface
- Opening pressure 0.5 - 6 bar
- Available with Lifting Device (Actuator) for easy cleaning

Ordering Information



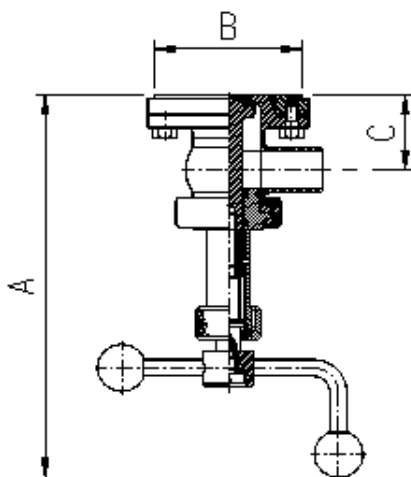
Size	D	B
1.0	25.4	72.0
1.5	38.1	82.0
2.0	50.8	82.0
2.5	63.5	102.0
3.0	76.2	102.0
4.0	101.6	120.0

Manual Bottom Valve

Specification:

- Austenitic SS grade 304/316L
- Ra. max 0.8 μm on product contact surface
- Gasket option : EPDM /Silicone/Viton
- Available in Auto type with pneumatic actuator

Ordering Information



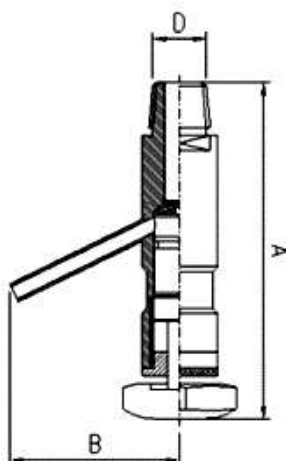
Size	D	B	C	A
1.0	22.8	87	45.9	230
1.5	35.7	110	54.3	250
2.0	47.8	120	60.6	280
2.5	60.5	140	71	300

Sampling Valve

Specification:

- Austenitic SS grade 304/316L
- Ra. max 0.8 μm on product contact surface
- Available in ferrule connection
- Gasket option : EPDM

Ordering Information



Size	D	B	A
3/8"	NPT	60.0	142.0
1/2"	NPT	60.0	142.0
3/4"	NPT	60.0	142.0
1.0"	Ferrule	60.0	115.0

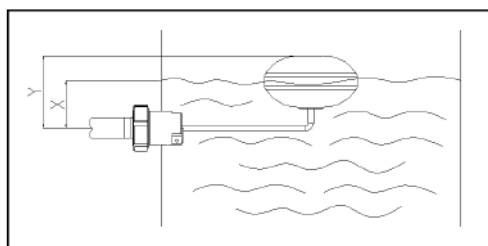
Floating Valve

Specification:

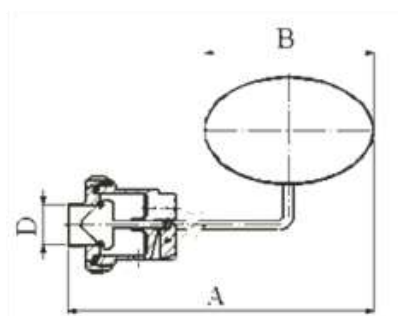
- Austenitic SS grade 304/316L
- Ra. max 0.8 μm on product contact surface
- Working operational pressure 2 bar
- 15° angle detection
- Gasket option : EPDM /Silicone/Viton



Ordering Information



Floating Valve Size	X	Y
1"	116 mm	180 mm
1.5"	63 mm	175 mm
2"	63 mm	175 mm

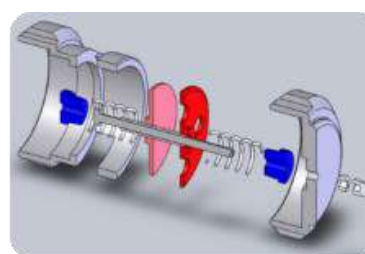


Size	D	B	A
1.0	23	200	490
1.5	35	200	505
2.0	47.8	200	505

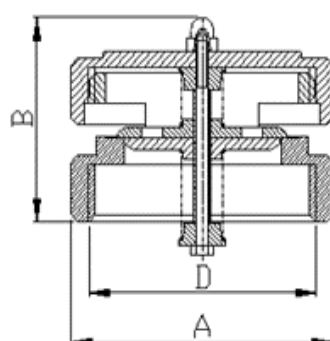
Regulating Valve

Specification:

- Austenitic SS grade 304/316L
- Ra. max 0.8 μm on product contact surface
- SMS/DIN union connection



Ordering Information



Size	D	B	A
1.0	36.0	66.0	49.0
1.5	60.0	90.5	74.0
2.0	70.0	89.5	83.5
2.5	81.0	95.0	100.0
3.0	104.0	89.5	127.0
NW50	78.0	89.5	90.0
NW65	104.0	89.5	127.0

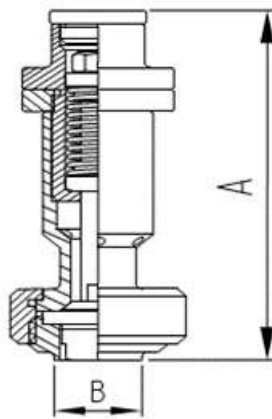
Anti Vacuum Valve

Specification:

- Austenitic SS grade 304/316L
- Ra. max 0.8 μm on product contact surface
- Gasket option : EPDM /Silicone
- Lockable air vacuum setting by screwing Ring Nut
- Opening pressure max. 0.1 bar



Ordering Information



Size	B	A
1.0	25.0	51.0
1.5	38.0	74.0
2.0	51.0	84.0
2.5	63.5	100.0



*“we make your products more
clean, hygienic and healthy”*



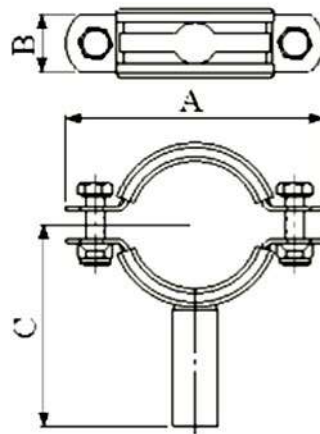
Accessories Sanitary

Clamp Pipe Type C

Specification:

- Austenitic SS grade 304
- With Dampera

Ordering Information



Size	A	B	C
1.0	83.0	25.0	85.0
1.5	96.0	25.0	85.0
2.0	110.0	25.0	85.0
2.5	124.0	25.0	85.0
3.0	137.0	25.0	85.0
4.0	163.0	25.0	85.0
5.0	191.0	25.0	122.0
6.0	216.0	25.0	132.0

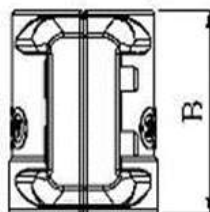
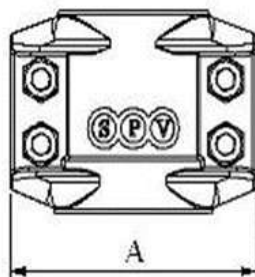
Safety Clamp

Specification:

- Austenitic SS grade 304
- Electro polished
- Investment casting
- One pair of clamps, nut and bolt



Ordering Information



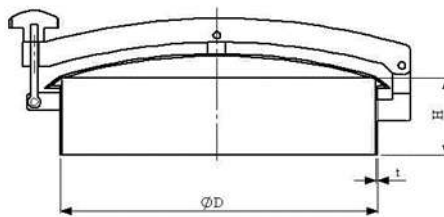
Size	Hose Size	OD Size	A	B
1.0	25 x 6	36 - 39	69.0	50.0
1.5	38 x 6.5	50 - 52	83.0	50.0
2.0	50 x 8	64 - 67	102.0	56.0
3.0	75 x 8	89 - 93	132.0	76.0
4.0	100 x 15	114 - 119	166.0	120.0

Round Man Hole

Specification:

- Austenitic SS grade 304/316L
- Ra. max 0.8 μm on product contact surface
- Silicon seal
- Finish mirror polished

Ordering Information



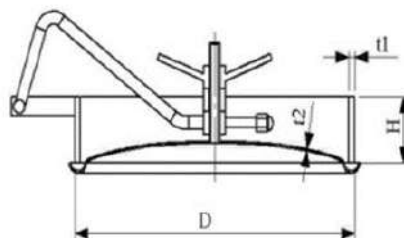
D	H
430.0	100.0
450.0	100.0
500.0	100.0
600.0	100.0

Elliptical Man Hole

Specification:

- Austenitic SS grade 304/316L
- Ra. max 0.8 μm on product contact surface
- Silicon seal
- Finish mirror polished
- Spanner handle type

Ordering Information



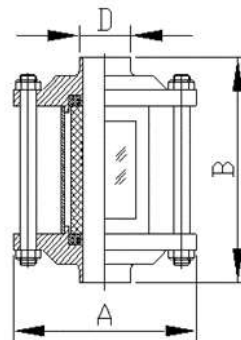
Dmax	Dmin	H
430.0	330.0	100.0
530.0	430.0	100.0

Flow Glass

Specification:

- Austenitic SS grade 304/316L
- Ra. max 0.8 μm on product contact surface
- Silicon Gasket
- Available with optional unions

Ordering Information



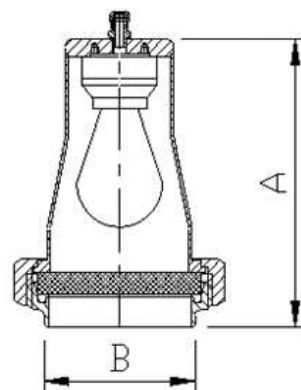
Size	D	B	A
1.0	25.4	146.0	84.0
1.5	38.1	146.0	96.0
2.0	50.8	146.0	109.0
2.5	63.5	146.0	125.0
3.0	76.2	146.0	138.5
4.0	101.6	146.0	163.0

Light Glass

Specification:

- Austenitic SS grade 304/316L
- Ra. max 0.8 μm on product contact surface
- Gasket (EPDM = 01, Silicon = 02, 08 = Viton)
- On-off switch or push button
- Voltage 220V AC, 75 W lamp

Ordering Information



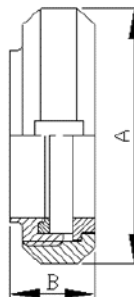
Size	B	A
2	50.8	154.0
3	76.2	206.0
4	101.6	212.0

Sight Glass

Specification:

- Austenitic SS grade 304/316L
- Ra. max 0.8 μm on product contact surface
- Gasket (EPDM = 01, Silicon = 02, 08 = Viton)
- Available with wiper blade

Ordering Information



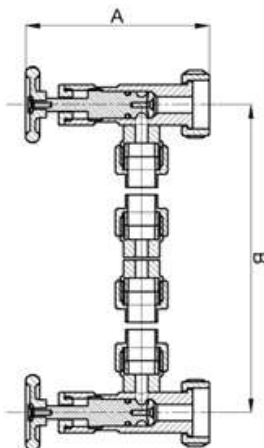
Size	B	A
1.0	27.5	51.0
1.5	32.0	74.0
2.0	33.0	84.0
2.5	37.0	100.0
3.0	39.0	114.0
4.0	42.0	84.0

Level Indicator

Specification:

- Austenitic SS grade 304/316L
- Ra. max 0.8 μm on product contact surface
- Gasket (EPDM = 01)

Ordering Information



Size	B	A
1/2	68.5+Y	120
3/4	68.5+Y	146

Rotary Cleaner

Specification:

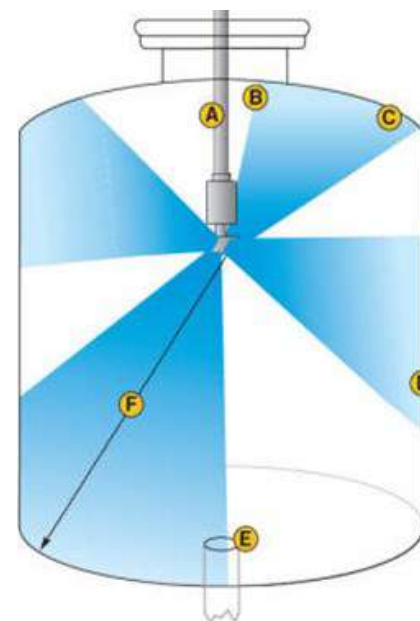
- Austenitic SS grade 304/316L
- Ra. Max 0.8 μm on product contact surface
- Working pressure 1 – 3 bar
- Max. working pressure 10 bar
- Max. working temperature: 95°C
- Wetting radius: Max. 3m
- Cleaning radius: 3 – 4 m

Rotary Cleaner are mainly used to spray and clean the inside of the tanks strongly. They are mainly used in food-processing, beverage, beer, and pharmaceutical industries.

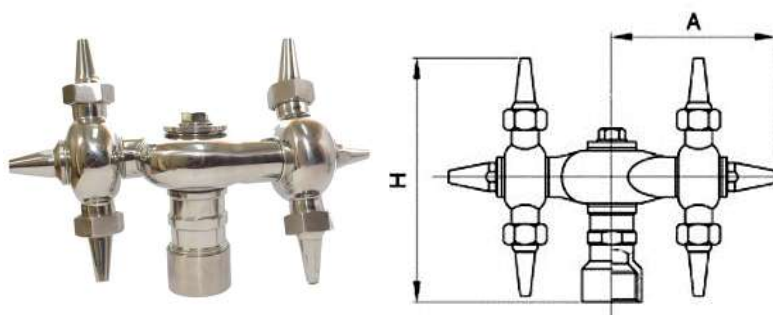
- Fixed cleaning ball: 360° spray completely, 180° spray.
- Rotary cleaning ball: ball is spherical and elliptical. Jet orifice looks flat slot shape.
- Multi-position cleaner

Key Considerations for Placement of Spray

- Position the tank cleaning nozzle(s) at the center of the tank, roughly one-quarter of the distance from top to bottom.
- Nozzles invariably leave an unsprayed shadow area directly overhead, the size of which varies according to the type of nozzle and the piping.
- The distance between the top of the tank and the nozzle should amount to approximately one quarter of the nozzle's cleaning radius. Size your unit to ensure sufficient flow to the top part of the tank wall.
- The film of liquid grows thicker toward the bottom of the tank, where the washing effect is the most pronounced.
- Standing water reduces impact and allows solids to accumulate. Make sure that the drain can handle whatever you put into the tank.
- The longest spray distance is from the nozzle to the bottom corner, so the nozzle should be sized for this "effective washing distance".



Ordering Information



Size	A	H	Pressure (bar)	Flow Rate (m3/hr)	Cleaning Radius
1.5	142	189	2.0 – 2.5	38	3
2.0	145	191	2.5 – 3.0	60	4

Rotary Spray Ball



Specification:

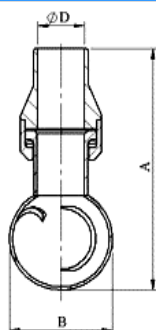
- Austenitic SS grade 304/316L
- Ra. Max 0.8 μm on product contact surface
- Finished mirror polished
- Distance up to 1.5 m

Spray Ball is designed to washing a vessel by means spraying the water with pressure to cleaning surface inside vessel.

The design of rotary type consists of tube, ball and connected by ball bearing. Pressure of cleaning liquid turns the ball, afterward the cleaning liquid will spray inside of tank and cleaning process will be done.

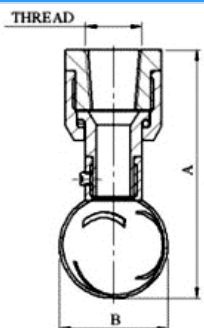
Ordering Information

ROTARY SPRAY BALL WELD



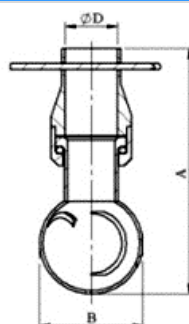
Size	D	B	A
1.0	23.0	50.8	127.0
1.5	35.7	76.2	173.0
2.0	47.8	76.2	173.0

ROTARY SPRAY BALL SCREW



Size	Thread	B	A
3/4	BSPT	50.8	116.0
1.0	BSPT	50.8	119.0
1.25	BSPT	76.2	152.0
1.5	BSPT	76.2	155.0

ROTARY SPRAY BALL PIN



Size	D	B	A
1.0	26.0	50.8	132.0
1.5	40.0	76.2	197.0
2.0	52.5	76.2	197.0

Static Spray Ball



Specification:

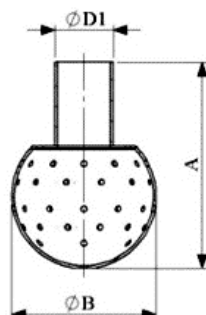
- Austenitic SS grade 304/316L
- Ra. Max 0.8 μm on product contact surface
- Finished mirror polished
- Distance up to 1.5 m

Spray Ball is designed to washing a vessel by means spraying the water with pressure to cleaning surface inside vessel.

The design of rotary type consists of tube, ball and connected by ball bearing. Pressure of cleaning liquid turns the ball, afterward the cleaning liquid will spray inside of tank and cleaning process will be done.

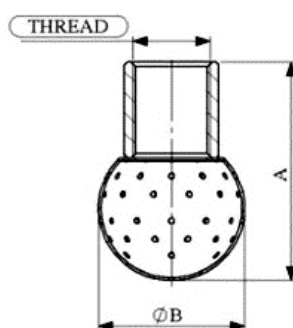
Ordering Information

STATIC SPRAY BALL WELD



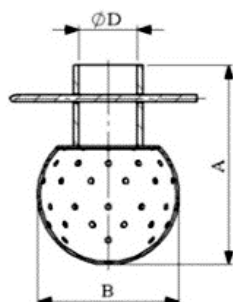
Size	D	B	A
1.0	25.4	63.5	90.0
1.5	38.1	76.2	110.0
2.0	50.8	101.6	145.0

STATIC SPRAY BALL SCREW



Size	Thread	B	A
1.0	BSPT	63.5	95.0
1.5	BSPT	76.2	115.0
2.0	BSPT	101.6	145.0

STATIC SPRAY BALL PIN



Size	D	B	A
1.0	26.0	63.5	90.0
1.5	40.0	76.2	110.0
2.0	52.5	101.6	145.0

Air Vent

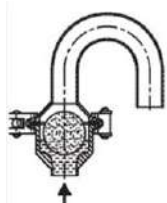


Specification:

- Austenitic SS grade 304/316L
- Ra. Max 0.8 μm on product contact surface
- Max. product pressure: 1000kPa/145psi(10bar).
- Max. temperature: 90°C/194°F(because of the plastic ball).
- Density of ball: 0.906kg/dm³
- Clamp connection
- Ball material Polypropylene

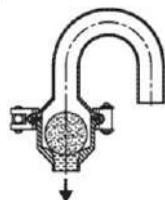
Air Vent applications are to eliminate trapped air in the pipe line or tank. It is installed in highest position in pipe line or tank. The valves prevent the pipe line from vibration in first operation and allowing the trapped air come out from pipe line. The valve will open if there is an air flow and will closed when liquid reached the valve.

Working Principle



Valve open

The air trapped in the valve, when liquid level rise, the ball float and allowing the air out of the valve until there is no air in the valve and the ball blocked the top seat to preventing liquid from leaking.

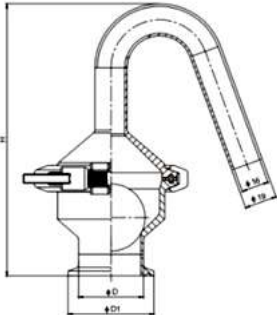


Valve closed

In vacuum condition, the ball block the bottom seat to prevent air came into pipeline

Ordering Information

AIR VENT

	Size	D	D1	H
	1.0	25.4	50.5	162

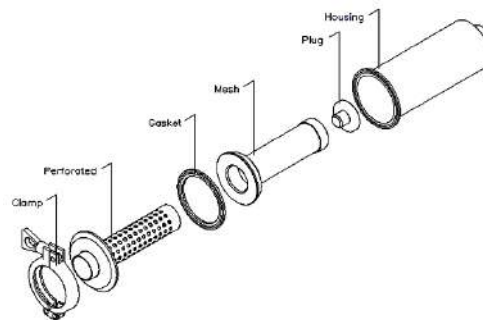
Straight Strainer

Specification:

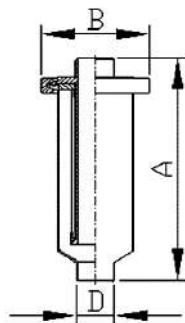
- Austenitic SS grade 304/316L
- Silicone/EPDM gasket
- Perforate hole diameter 5mm
- Mesh 100 (custom # 40 – 300)
- Ra. Max 0.8 μm on product contact surface

Strainer is designed to removes particles from liquid in pipe line by means use perforated or a mesh to removing particles of a specified micron size.

Drawing Sketch

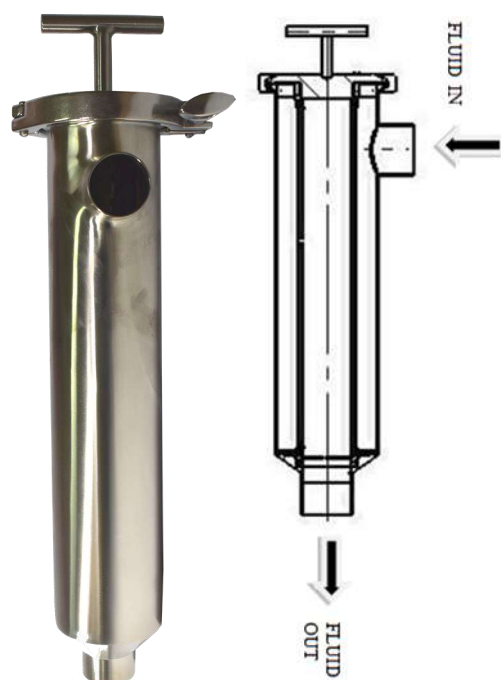


Ordering Information



Size	D	B	A
1.0	25.4	80.6	394.0
1.5	38.1	107.6	448.0
2.0	50.8	135.0	496.0
2.5	63.5	135.0	548.0
3.0	76.2	160.0	569.0
4.0	101.6	200.0	575.0

Angle Strainer



Specification:

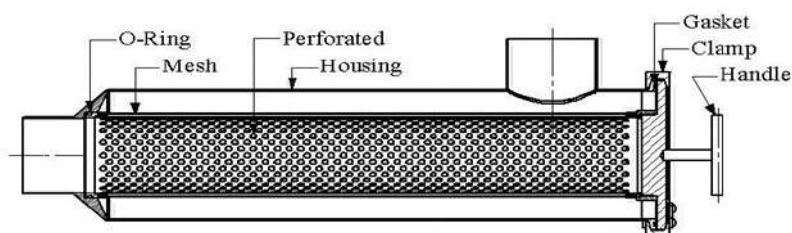
- Austenitic SS grade 304/316L
- Silicone/EPDM gasket
- Perforate hole diameter 5mm
- Mesh 100 (custom # 40 – 300)
- Ra. Max 0.8 μ m on product contact surface
- Available only perforated hole

Strainer is designed to removes particles from liquid in pipe line by means use perforated and a mesh to removing particles of a specified micron size.

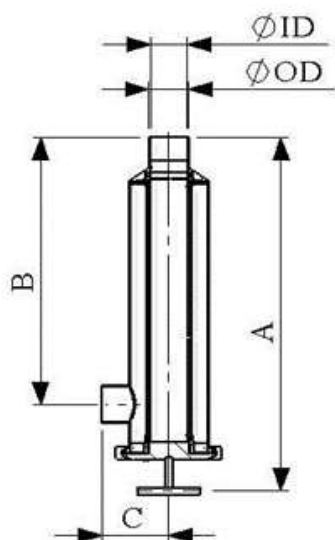
Working Principle

The fluids enter from inlet the strainer then filtering by a mesh with a desire micron size and the bigger particles are blocked in the mesh.

Drawing Sketch



Ordering Information



Size	OD	ID	B	C	A
1.0	25.4	22.2	305.0	54.0	400.0
1.5	38.1	34.9	340.0	68.0	450.0
2.0	50.8	47.6	361.0	86.0	478.0
2.5	63.5	60.3	400.0	76.0	550.0
3.0	76.2	73.0	440.0	114.0	583.0
4.0	101.6	97.6	525.0	127.0	692.0

Flexible Hose Food Grade



BLAUDIECK® LGDU

The beverage and foodstuff hose with UPE liner

Marking

2 white stripes on blue cover "Continental ContiTech BLAUDIECK® UPE FDA glass/fork symbol BfR EG 1935/2004 2023/2006 Made in Germany" spirally applied

Application

The BLAUDIECK® LGDU-hose offers high quality at a reasonable price. The hygienically smooth, non-porous UPE lining free of plasticizers is absolutely neutral to taste and odour and thus suitable for various applications in the beverage and foodstuffs industry. It is extremely resistant to commonly used cleaning and disinfecting products and can easily be cleaned conventionally or by CIP installations. Both, lining and cover are resistant to oil, fats and aggressive chemicals such as acids and caustics. Together with our swaged coupling systems and rubber protection rings it becomes the ideal hose assembly!

Description

- White, non-porous, smooth UPE lining, free of plasticizers, absolutely neutral to taste and odour
- Reinforcements: synthetic fibres
- Blue, fabric patterned NBR-cover, resistant to ozone, weather, UV and abrasion
- Working pressure up to 16 bar / 232 psi
- Temperature range from -30°C up to +95°C / -22°F up to +203°F (+110°C / +230 °F max. 60 minutes)
- Can be steamed up to +130°C / +266°F (max. 30 minutes)
- Suitable for pure alcohol up to 100%
- Lining and cover resistant to oil and fats
- Meets the requirements of EG 1935/2004, EG 2023/2006 and EU 10/2011

Technical data

nominal width	inner-Ø	wall thickness	length	steel wire helix	working pressure	min. burst pressure	min. bending radius	weight
Zoll/inch	mm	mm	m	helix	bar / psi	bar / psi	apnx. mm	apnx. g/ m
1	25	6	40		16 / 232	48 / 696	150	750
1 1/4	32	8	40		16 / 232	48 / 696	200	1200
1 9/16	40	9	40		16 / 232	48 / 696	250	1480
2	50	10	40		16 / 232	48 / 696	350	2050
2 5/8	65	12	40		16 / 232	48 / 696	450	3120
3	75	12	40		16 / 232	48 / 696	500	3450
3 1/8	80	14	40		16 / 232	48 / 696	650	4390
4	100	15	40		16 / 232	48 / 696	750	5800

BioCheck Sampling Valve

Your advantages

Design	Valve body made from solid bar dead space free completely drainable connections suitable for orbital welding also available with only 1 port - same price -
Absolute product safety	hermetically sealed against environment easy and thorough cleaning
Serviceable maintenance	change of seals without special tools less standing times
Efficiency	long life of the PTFE-bellows low spare part costs
Application	pharmaceutic and bio-chemical industries, cosmetic industry, food, dairy and beverage industries

Technical Data

Material	product contact	AISI316L
	non product contact	1.4301/AISI304
Seals	bellows	PTFE
Temperatures maximum	operating temperature	121 °C* (250 °F)
	sterilization-temperature	135 °C* (275 °F)
	dependent on operating conditions	short-time (approx. 20 min)
Pressures	closing pressure:	max.10 bar (145 psi)
	control air pressure	min. 6 bar (87 psi) max.10 bar (145 psi)
Surfaces	product contact	Ra <= 0,8 µm
	optional	electro polished
	non product contact	Ra <=1,6 µm
Types	S = self-closing lever	
	O = with lever for „open“ position	
	P = without lever	
	H = manual with hand wheel	
Stroke	standard DN 10	= 3 mm
	Mini DN 6 and 8	= 2 mm
	Ingold version	= 5 mm



**certified according to TA-Luft
Helium leakage test
VDI 2440 / VDI 3479**

**versions 3-A
with long lantern
see page 14**



**certificates see
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PT. Stainless Steel Primavalve Majubersama

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