ISO9001 CE

卫生级软管接头
Sanitary hose fitting

概述

万国公司生产:卫生级软管接头，产品毛坯全部由棒材锻制，CNC数控精加工。所有产品均可按客户要求加工不同的表面粗糙度。
所有金属材质均可提供EN10204、3.1B证书。
所有密封材质符合: FDA 177.2600。

Summarize

IFEC can produce sanitary hose fitting, the forged parts are made from forged steel . machined by CNC .which can be done at different surface as clients' requirement .
IFEC provide 3.1B certification of EN10204 for all the steel material.
All seal material must be fit to FDA177.2600.

技术参数
Technical date

标准 Standard	DIN, 3A, SMS, RJT, ISO, IDF, DS, Macon, GB
尺寸 Size	1" – 6" DN10–DN200 17.2–168.3
金属材质 Steel material	304, 304L, 316, 316L (锻造 Forging)
密封材质 Seal material	NBR, Silicone, EPDM, FPM, PTFE
表面处理 Surface qualities	1.Ra ≤ 1.6μm
	2.Ra ≤ 0.8μm
	3.Ra ≤ 0.4 (抛光 Polished)

产品订购
Ordering specifications

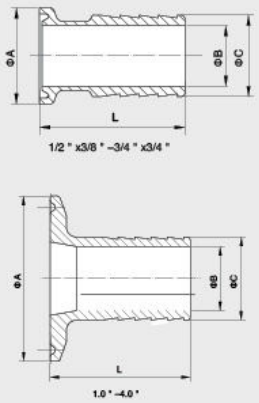
指定:	· 标准	Specify:	· Standard
	· 规格		· Size
	· 金属材质		· Steel material
	· 密封材质		· Seal material
	· 表面处理		· Surface quality
	· 数量		· Quantity

例 Example

标准 Standard	规格 Size	金属材质 Steel material	密封材质 Seal material	表面处理 Surface quality	数量 Quantity
3A-15MHR	1.5"	304	/	1(Ra ≤ 1.6)	200

快装软管
Clamp hose couplings

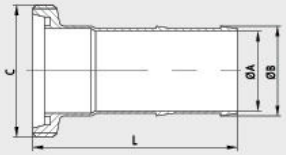
3A / SMS-14MPHR



Size	A	B	C	T
1/2"x1/8"	25.2	1.57	3.73	38.1
1/2"x1/4"	25.2	4.75	7.92	38.1
1/2"x3/8"	25.2	5.5	10.3	38.1
1/2"x1/2"	25.2	9.5	13.7	38.1
1/2"x3/4"	25.2	15.87	21.33	38.1
3/4"x1/8"	25.2	1.57	3.73	38.1
3/4"x1/4"	25.2	4.75	7.92	38.1
3/4x3/8"	25.2	5.5	10.3	38.1
3/4"x1/2"	25.2	9.5	13.7	38.1
3/4"x3/4"	25.2	15.87	21.33	38.1
1.0"	50.5	20.6	25.4	42.9
1-1/2"	50.5	33.3	38.1	42.9
2.0"	64	46	50.8	58.7
2-1/2"	77.5	58.7	63.5	59.5
3.0"	91	72	76.2	78.6
4.0"	119	97.4	101.6	96.5

软管云头
Male hose couplings

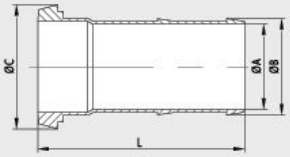
DIN-15MHR



Size	A	B	C	L
10	10	15	Rd28X1/8"	54
15	16	21	Rd34X1/8"	64
20	20	26	Rd44X1/6"	76
25	22	28	Rd52X1/6"	83
32	29	35	Rd58X1/6"	92
40	37	43	Rd65X1/6"	108
50	47	53	Rd78X1/6"	121
65	61	69	Rd95X1/6"	142
80	75	85	Rd110X1/4"	164

软管接头
Liner hose couplings

DIN-14MHR



Size	A	B	C	L
10	10	15	22.5	50
15	16	21	28.5	60
20	20	26	36.5	70
25	22	28	44	76
32	29	35	50	85
40	37	43	56	101
50	47	53	68.5	114
65	61	69	86	134
80	75	85	100	156
100	95	105	121	175

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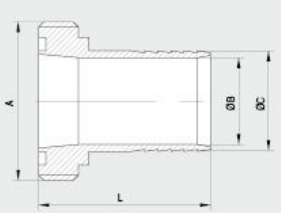
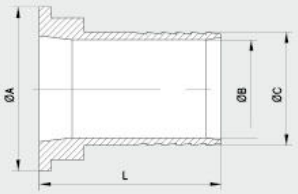
软管云头
Male hose — SMS-15MHR



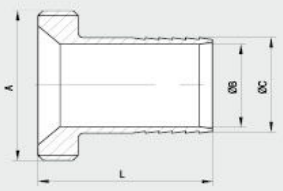
Size	A	B	C	L
25	RD40X1/6"	21.4	25.4	49.2
38	RD60X1/6"	34.1	38.1	53.2
51	RD70X1/6"	44.8	50.8	69
63.5	RD85X1/6"	57.5	63.5	73.8
76.1	RD98X1/6"	70.3	76.3	92.9
101.6	RD125X1/4"	93.6	101.6	118.8

软管接头
Liner hose couplings — SMS-14MHR



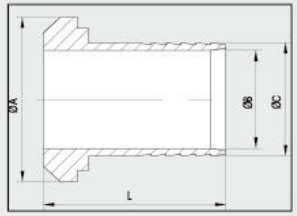
Size	A	B	C	L
25	35.5	21.4	25.4	45.2
38	55	34.1	38.1	50.2
51	65	44.8	50.8	66
63.5	80	57.5	63.5	70.8
76.1	93	70.3	76.2	89.9
101.6	117	93.6	101.6	113.8

软管云头
Male hose couplings — 3A-15MHR



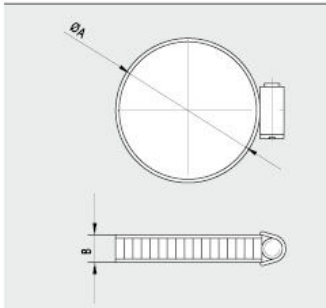
Size	A	B	C	L
1"	37.13X8TPI ACME	20.64	25.4	42.86
1.5"	50.65X8TPI ACME	33.34	38.1	42.86
2"	64.16X8TPI ACME	46	50.8	58.74
2.5"	77.67X8TPI ACME	58.74	63.5	59.53
3"	91.19X8PTI ACME	71.44	76.2	88.9
4"	119.25X6TPI	96.84	101.6	101.6

软管接头
Liner hose couplings — 3A-14MHR



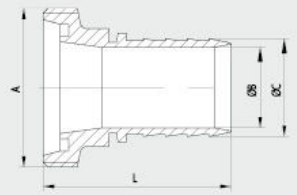
Size	A	B	C	L
1"	35.5	20.64	25.4	42.86
1.5"	55	33.34	38.1	42.86
2"	65	46	50.8	58.74
2.5"	80	58.74	63.5	59.53
3"	93	71.44	76.3	88.9
4"	117	96.84	101.6	101.6

软管夹
Hose nozzle — DIN-14MHR



A	B
12-20	12
16-25	12
20-32	12
25-40	12
32-50	12
40-60	12
50-70	12
60-80	12
70-90	12
80-100	12
90-110	12
100-120	12

云头软管*
Hose male scaled* — DIN-15HMS

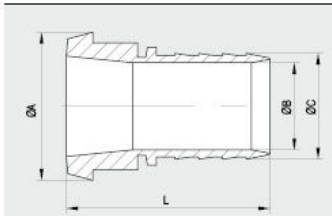


Size	A	B	C	L
25	RD52X1/6"	20	27	77
32	RD58X1/6"	27	34	77
40	RD65X1/6"	35	42	77
50	RD78X1/6"	45	51.9	83
65	RD95X1/6"	60	67	97
80	RD110X1/4"	75	82	116
100	RD130X1/4"	94	102	131

* 下单时请根据相关标准选择
*Orders,please choose allordance with relevant standards

接头软管*
Hose liner scaled*

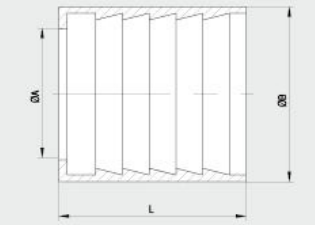
DIN-14HMS



Size	A	B	C	L
25	44	20	27	77
32	27	34	34	77
40	56	35	42	77
50	68.5	45	51.9	83
65	86	60	67	97
80	100	75	82	116
100	121	94	102	131

软管内齿*
Hose nut*

DIN-13HN



Size	A	B	L
25	35	47	60
32	41	54	60
40	48	65	60
50	60	77	65
65	78.5	101	75
80	92.5	108	90
100	113	142	99

* 下单时请根据相关标准选择
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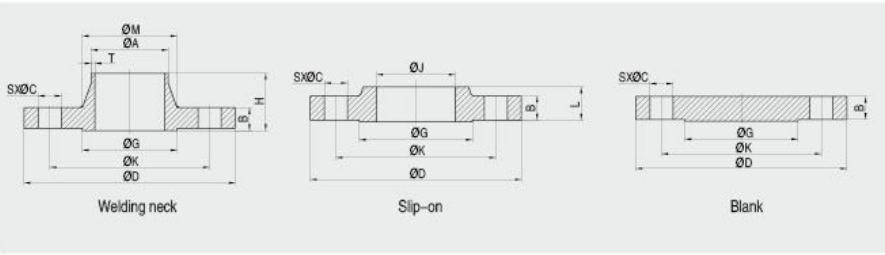
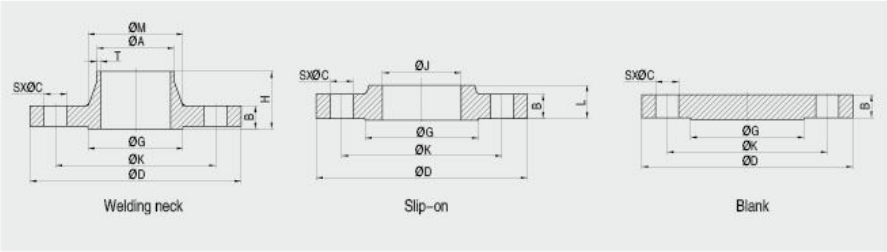


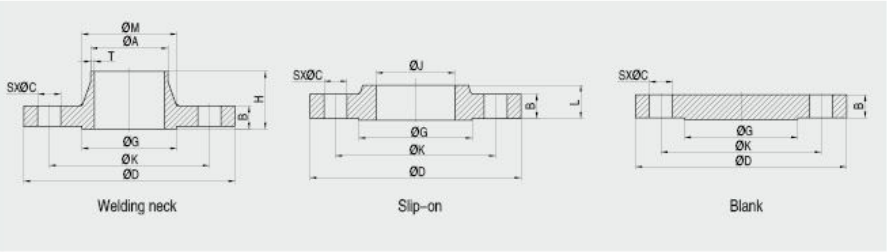
B16.5 150LBS

Size	D	K	G	B	H	N	A	M	J	L	SXC	WEIGHT(kg)		
												WN	SO	BL
1/2"	88.9	60.3	34.9	11.1	47.6	15.7	21.3	30.2	22.3	15.9	4×15.9	0.5	0.4	0.4
3/4"	98.4	69.8	42.9	12.7	52.4	20.8	26.7	38.1	27.7	15.9	4×15.9	0.7	0.7	0.7
1"	107.9	79.4	50.8	14.3	55.6	26.7	33.5	49.2	34.5	17.5	4×15.9	1.1	0.8	0.9
1-1/4"	117.5	88.9	63.5	15.9	57.1	35.1	42.2	58.8	43.2	20.6	4×15.9	1.5	1.1	1.3
1-1/2"	127.0	98.4	73.0	17.5	61.9	40.9	48.3	65.1	49.5	22.2	4×15.9	1.8	1.4	1.6
2"	152.4	120.6	92.1	19.0	63.5	52.6	60.3	77.8	62.0	25.4	4×19.0	2.7	2.2	2.6
2-1/2"	177.8	139.7	104.8	22.2	69.8	62.7	73.1	90.5	74.7	28.6	4×19.0	4.4	3.6	4.1
3"	190.5	152.4	127.0	23.8	69.8	78.0	88.9	107.9	90.7	30.2	4×19.0	5.2	4.1	5.0
3-1/2"	215.9	177.8	139.7	23.8	71.4	90.2	101.6	122.2	103.4	31.7	8×19.0	6.4	5.2	6.4
4"	228.6	190.5	157.2	23.8	76.2	102.4	114.3	134.9	116.1	33.3	8×19.0	7.5	5.6	7.1
5"	254.0	215.9	185.7	23.8	88.9	128.3	141.2	163.5	143.8	36.5	8×22.2	9.2	6.3	9.0
6"	297.4	241.3	215.9	25.4	88.9	154.2	168.4	192.1	170.7	39.7	8×22.2	11	7.5	11.8
8"	342.9	298.4	269.9	28.6	101.6	202.7	219.1	246.1	221.5	44.4	8×22.2	18.3	12.6	21.0
10"	406.4	361.9	323.8	30.2	101.6	254.5	273.0	304.8	276.3	49.2	12×25.4	25.0	18.5	30.0
12"	482.6	431.8	381.0	31.7	114.3	304.8	323.8	365.1	327.1	55.6	12×25.4	39.0	28.0	45.0
14"	533.4	476.2	412.7	34.9	127.0	336.5	355.6	400.0	359.1	57.1	12×28.6	51.0	36.0	59.0
16"	596.9	539.7	469.9	36.5	127.0	387.3	406.4	457.2	410.5	63.5	16×28.6	60.0	46.0	79.0
18"	635.0	577.8	533.4	39.7	139.7	438.1	457.2	504.8	461.8	68.3	16×31.7	71.0	50.0	97.0
20"	698.5	635.0	584.2	42.9	144.5	488.9	508.0	558.8	513.1	73.0	20×31.7	88.0	64.0	124
22"	749.3	692.1	641.2	46.0	149.2	539.7	558.8	609.6	564.4	79.4	20×34.9	102	72.0	151
24"	812.8	749.3	692.1	47.6	152.4	590.5	609.6	663.6	615.9	82.5	20×34.9	119	89.0	188



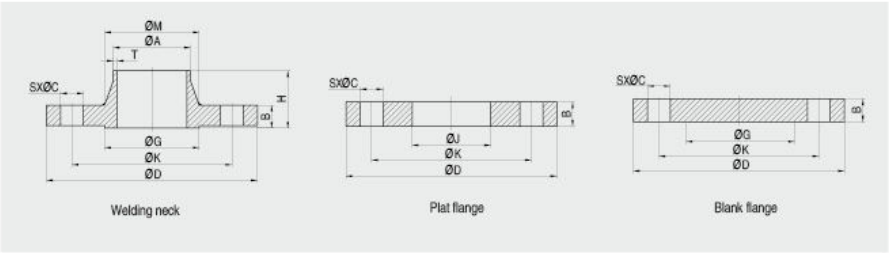
B16.5 300LBS

Size	D	K	G	B	H	N	A	M	J	L	SXC	WEIGHT(kg)		
												WN	SO	BL
1/2"	95.2	66.7	34.9	14.3	52.4	15.7	21.3	38.1	22.3	22.2	4x15.9	0.9	0.7	0.7
3/4"	117.5	82.5	42.9	15.9	57.1	20.8	26.7	47.6	27.7	25.4	4x19.0	1.5	1.1	1.2
1"	123.8	88.9	50.8	17.5	61.9	26.7	33.5	54.0	34.5	27.0	4x19.0	1.9	1.4	1.5
1 1/4"	133.3	98.4	63.5	19.0	65.1	35.1	42.2	63.5	43.2	27.0	4x19.0	2.6	1.8	2.0
1 1/2"	155.6	114.3	73.0	20.6	68.3	40.9	48.3	69.8	49.5	30.2	4x22.2	3.3	2.6	2.9
2"	165.1	127.0	92.1	22.2	69.8	52.6	60.3	84.1	62.0	33.3	8x19.0	3.6	3.4	3.4
2 1/2"	190.5	149.2	104.8	25.4	76.2	62.7	73.1	100.0	74.7	38.1	8x22.2	5.4	4.4	5.1
3"	209.5	168.3	127.0	28.6	79.4	78.0	88.9	117.5	90.7	42.9	8x22.2	7.4	6.1	7.0
3 1/2"	228.6	184.1	139.7	30.2	81.0	90.2	101.6	133.3	103.4	44.4	8x22.2	8.9	7.5	8.9
4"	254.0	200.0	157.2	31.7	85.7	102.4	114.3	146.0	116.1	47.6	8x22.2	11.9	10.1	11.8
5"	279.4	234.9	185.7	34.9	98.4	128.3	141.2	177.8	143.8	50.8	8x22.2	16.0	12.5	15.5
6"	317.5	269.9	215.9	36.5	98.4	154.2	168.4	206.4	170.7	52.4	12x22.2	20.2	14.1	21.3
8"	381.0	330.2	269.9	41.3	111.1	202.7	219.1	260.3	221.5	61.9	12x25.4	31.0	24.8	35.2
10"	444.5	387.3	323.4	47.6	117.5	254.5	273.0	320.7	276.3	66.7	16x28.6	44.3	37.1	57.0
12"	520.7	450.8	381.0	50.8	130.2	304.8	323.8	374.6	327.1	73.0	16x31.7	64.0	50.0	82.0
14"	584.2	514.3	412.7	54.0	142.9	336.5	355.6	425.4	359.1	76.2	20x31.7	88.0	70.0	106
16"	647.7	571.5	469.9	57.1	146.0	387.3	406.4	482.6	410.5	82.5	20x34.9	113	90.0	140
18"	711.2	628.6	533.4	60.3	158.7	438.1	457.2	533.4	461.8	88.9	24x34.9	134	112	178
20"	774.7	685.8	584.2	63.5	161.9	488.9	508.0	587.4	513.1	95.2	24x34.9	171	133	223
22"	838.2	742.9	641.2	66.7	165.1	539.7	558.8	641.2	564.4	101.6	24x41.3	195	197	270
24"	914.4	812.8	692.1	69.8	168.3	590.5	609.6	701.7	615.9	106.4	24x41.3	238	208	345



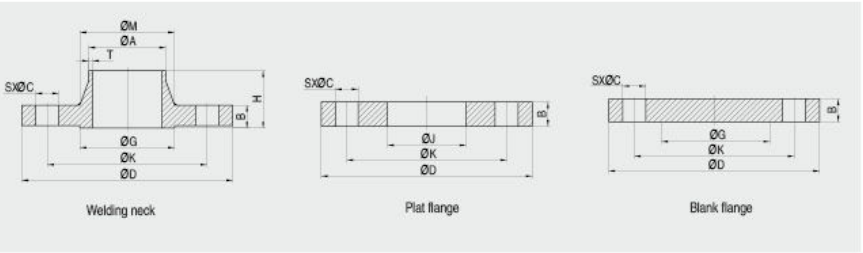
B16.5 600LBS

Size	D	K	G	B	H	N	A	M	J	L	SXC	WEIGHT(kg)		
												WN	SO	BL
1/2"	95.2	66.7	34.9	14.3	52.4	15.7	21.3	38.1	22.3	22.2	4x15.9	0.9	0.8	0.7
3/4"	117.5	82.5	42.9	15.9	57.1	20.8	26.7	47.6	27.7	25.4	4x19.0	1.5	1.4	1.2
1"	123.8	88.9	50.8	17.5	61.9	26.7	33.5	54.0	34.5	27.0	4x19.0	1.9	1.6	1.5
1-1/4"	133.3	98.4	63.5	20.6	66.7	35.1	42.2	63.5	43.2	28.6	4x19.0	2.6	2.1	2.0
1-1/2"	155.6	114.3	73.0	22.2	69.8	40.9	48.3	69.8	49.5	31.7	4x22.2	3.3	3.1	3.2
2"	165.1	127.0	92.1	25.4	73.0	52.6	60.3	84.1	62.0	36.5	8x19.0	4.7	3.7	4.3
2-1/2"	190.5	149.2	104.8	28.6	79.4	62.7	73.1	100.0	74.7	41.3	8x22.2	6.5	5.4	6.0
3"	209.5	168.3	127.0	31.7	82.5	78.0	88.9	117.5	90.7	46.0	8x22.2	8.7	7.3	8.0
3-1/2"	228.6	184.1	139.7	34.9	85.7	90.2	101.6	133.3	103.4	49.2	8x25.4	11.2	8.9	10.5
4"	273.0	215.9	157.2	38.1	101.6	102.4	114.3	152.4	116.1	54.0	8x25.4	18.1	11.8	18.0
5"	330.2	266.7	185.7	44.4	114.3	128.3	141.2	188.9	143.8	60.3	8x28.6	30.5	24.5	28.5
6"	355.6	292.1	215.9	47.6	117.5	154.2	168.4	222.2	170.7	66.7	12x28.6	36.2	29.5	35.5
8"	419.1	349.2	269.9	55.6	133.3	202.7	219.1	273.0	221.5	76.2	12x31.7	56.5	43.0	58.0
10"	508.0	431.8	323.4	63.5	152.4	254.5	273.0	342.9	276.3	85.7	16x34.9	91.0	70.0	98.0
12"	558.8	488.9	381.0	66.7	155.6	304.8	323.8	400.0	327.1	92.1	20x34.9	105	86.0	125
14"	603.2	527.0	412.7	69.8	165.1	336.5	355.6	431.8	359.1	93.7	20x38.1	125	100	151
16"	685.8	603.2	469.9	76.2	177.8	387.3	406.4	459.3	410.5	106.4	20x41.3	178	142	210
18"	742.9	654.0	533.4	82.5	184.1	438.1	457.2	546.1	461.8	117.5	20x44.4	261	175	287
20"	812.8	723.9	584.2	88.9	190.5	488.9	508.0	609.6	513.1	127.0	24x44.4	268	232	366
22"	869.9	777.9	641.2	95.2	196.8	539.7	558.8	666.7	564.4	133.3	24x47.6	328	292	437
24"	939.8	838.2	692.1	101.6	203.2	590.5	609.6	717.5	615.9	139.7	24x50.8	380	330	532



EN1092-1 PN6

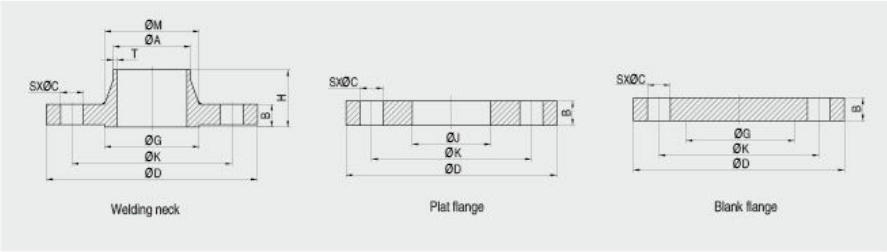
DN	D	K	G	B	H	T	A	M	J	L	SXC	WEIGHT(kg)		
												WN	PL	BL
15	80	55	40	12	30	2	21.3	30	21.3	12	4×11	0.39	0.41	0.72
20	90	65	50	14	32	2.3	26.9	38	26.9	14	4×11	0.59	0.6	1.01
25	100	75	60	14	35	2.6	33.7	42	33.7	14	4×11	0.75	0.74	1.23
32	120	90	70	14	35	2.6	42.4	55	42.4	16	4×14	1.05	1.19	1.8
40	130	100	80	14	38	2.6	48.3	62	48.3	16	4×14	1.18	1.39	2.09
50	140	110	90	14	38	2.9	60.3	74	60.3	16	4×14	1.34	1.53	2.88
65	160	130	110	14	38	2.9	76.1	88	76.1	16	4×14	1.67	1.89	3.66
80	190	150	128	16	42	3.2	88.9	102	88.9	18	4×18	2.71	2.98	4.77
100	210	170	148	16	45	3.6	114.3	130	114.3	18	4×18	3.24	3.46	5.65
125	240	200	178	18	48	4	139.7	155	139.7	20	8×18	4.49	4.6	8.42
150	265	225	202	18	48	4.5	168.3	184	168.3	20	8×18	5.15	5.22	10.4
200	320	280	258	20	55	5.9	219.1	236	219.1	22	8×18	7.78	7.15	46.5
250	375	335	312	22	60	6.3	273	290	273	24	12×18	10.8	9.61	24
300	440	395	365	22	62	7.1	323.9	342	323.9	24	12×22	14	12.6	30.9
350	490	445	415	22	62	7.1	355.6	385	355.6	26	16×22	18.5	15.6	40.6
400	540	495	465	22	65	7.1	406.4	438	406.4	28	20×22	21.2	18.4	49.4
500	645	600	570	24	68	7.1	508	538	508	30	20×22	28.6	24.6	75
600	755	705	670	24	70	7.1	610	640	610	30	24×26	31.5	32.4	91.4



EN1092-1 PN10

DN	D	K	G	B	H	T	A	M	J	L	SXC	WEIGHT(kg)		
												WN	PL	BL
15	95	65	45	14	35	2	21.3	32	21.3	14	4×14	0.65	0.68	0.72
20	105	75	58	16	38	2.3	26.9	40	26.9	16	4×14	0.95	0.94	1.01
25	115	85	68	16	38	2.6	33.7	45	33.7	16	4×14	1.14	1.14	1.23
32	140	100	78	16	40	2.6	42.4	56	42.4	16	4×18	1.69	1.66	1.8
40	150	110	88	16	42	2.6	48.3	64	48.3	16	4×18	1.86	1.89	2.09
50	165	125	102	18	45	2.9	60.3	75	60.3	18	4×18	2.53	2.51	2.88
65	185	145	122	18	45	2.9	76.1	90	76.1	18	4×18	3.06	3.0	3.66
80	200	160	138	20	50	3.2	88.9	105	88.9	20	8×18	3.7	3.75	4.77
100	220	180	158	20	52	3.6	114.3	131	114.3	20	8×18	4.62	4.2	5.65
125	250	210	188	22	55	4	139.7	156	139.7	22	8×18	6.3	5.71	8.42
150	285	240	212	22	55	4.5	168.3	184	168.3	22	8×22	7.75	6.72	10.4
200	340	295	268	24	62	5.9	219.1	235	219.1	24	8×22	11.3	9.31	46.5
250	395	350	320	26	68	6.3	273	292	273	26	12×22	14.7	12.5	24
300	445	400	370	26	68	7.1	323.9	344	323.9	26	12×22	17.4	13.8	30.9
350	505	460	430	26	68	7.1	355.6	385	355.6	26	16×22	23.6	20.6	40.6
400	565	515	482	26	72	7.1	406.4	440	406.4	26	16×26	28.6	27.9	49.4
500	670	620	585	28	75	7.1	508	542	508	28	20×26	38.1	41.1	75
600	780	725	685	28	80	7.1	610	642	610	28	20×30	44.6	45.2	91.4

ISO9001 CE

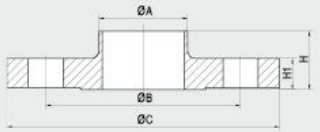


EN1092-1 PN16

DN	D	K	G	B	H	T	A	M	J	L	SXC	WEIGHT(kg)		
												WN	PL	BL
15	95	65	45	14	35	2	21.3	32	21.3	14	4x14	0.65	0.68	0.72
20	105	75	58	16	38	2.3	26.9	40	26.9	16	4x14	0.95	0.94	1.01
25	115	85	68	16	38	2.6	33.7	45	33.7	16	4x14	1.14	1.14	1.23
32	140	100	78	16	40	2.6	42.4	56	42.4	16	4x18	1.69	1.66	1.8
40	150	110	88	16	42	2.6	48.3	64	48.3	16	4x18	1.86	1.89	2.09
50	165	125	102	18	45	2.9	60.3	75	60.3	18	4x18	2.53	2.51	2.88
65	185	145	122	18	45	2.9	76.1	90	76.1	18	4x18	3.06	3.0	3.66
80	200	160	138	20	50	3.2	88.9	105	88.9	20	8x18	3.7	3.75	4.77
100	220	180	158	20	52	3.6	114.3	131	114.3	20	8x18	4.62	4.2	5.65
125	250	210	188	22	55	4	139.7	156	139.7	22	8x18	6.3	5.71	8.42
150	285	240	212	22	55	4.5	168.3	184	168.3	22	8x22	7.75	6.72	10.4
200	340	295	268	24	62	5.9	219.1	235	219.1	24	12x22	11.3	9.31	16.1
250	405	355	320	26	70	6.3	273	292	273	26	12x26	15.6	11.7	24.9
300	460	410	378	28	78	7.1	323.9	344	323.9	28	12x26	22	15.1	35.1
350	520	470	438	30	82	8	355.6	390	355.6	30	16x26	31.2	22	47.8
400	580	525	490	32	85	8	406.4	445	406.4	32	16x30	39.3	27.4	63.5
500	715	650	610	34	90	8	508	548	508	34	20x33	61	42.2	102
600	840	770	725	36	95	8.8	610	652	610	36	20x36	75.4	73.2	174

对焊法兰
Welding flange

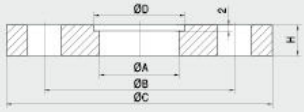
DIN 2576-DIN 11850



DN	A	B	C	H1	H
10	13 x 1.5	60	90	14	35
15	19 x 1.5	65	95	14	35
20	23 x 1.5	75	105	14	38
25	29 x 1.5	85	115	16	38
32	35 x 1.5	100	140	16	40
40	41x 1.5	110	150	16	42
50	53x 1.5	125	165	16	45
65	70 x 2	145	185	16	45
80	85 x 2	160	200	18	50
100	104 x 2	180	220	18	52
125	129 x 2	210	250	18	55
150	154 x 2	240	285	18	55

平板法兰
Plat flange

DIN 2576-DIN 11850

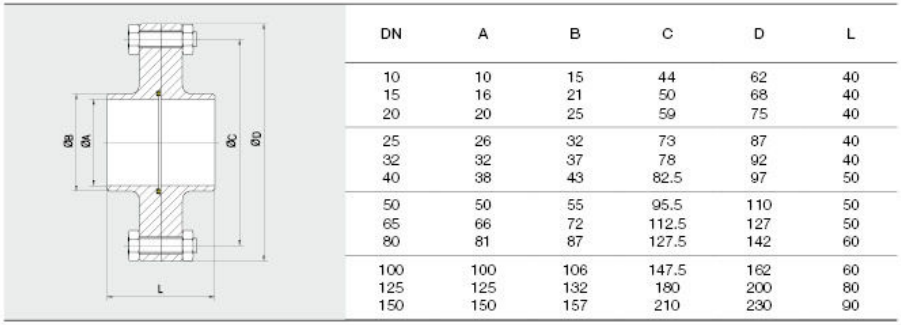


DN	A	B	C	D	H
10	10	60	90	13.2	14
15	16	65	95	19.2	14
20	20	75	105	23.2	14
25	26	85	115	29.2	16
32	32	100	140	35.2	16
40	38	110	150	41.2	16
50	50	125	165	53.2	16
65	66	145	185	70.5	16
80	81	160	200	85.2	18
100	100	180	220	104.5	18
125	125	210	250	129.5	18
150	150	240	285	154.5	18
200	200	295	340	204.5	20

ISO9001 CE

法兰组件
Flange fittings

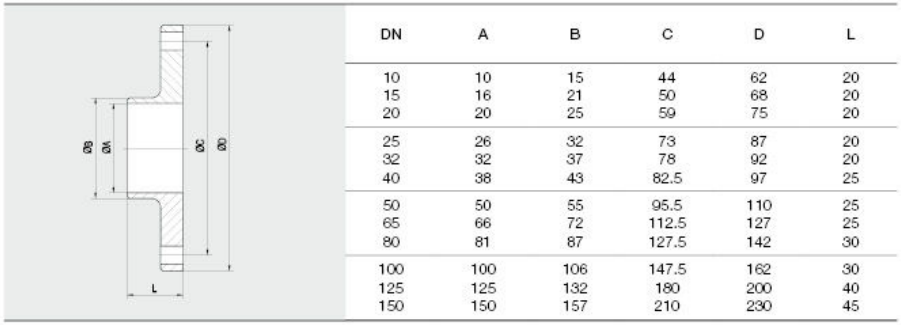
DIN11850



DN	A	B	C	D	L
10	10	15	44	62	40
15	16	21	50	68	40
20	20	25	59	75	40
25	26	32	73	87	40
32	32	37	78	92	40
40	38	43	82.5	97	50
50	50	55	95.5	110	50
65	66	72	112.5	127	50
80	81	87	127.5	142	60
100	100	106	147.5	162	60
125	125	132	180	200	80
150	150	157	210	230	90

平面焊接法兰
Welding flange with plat

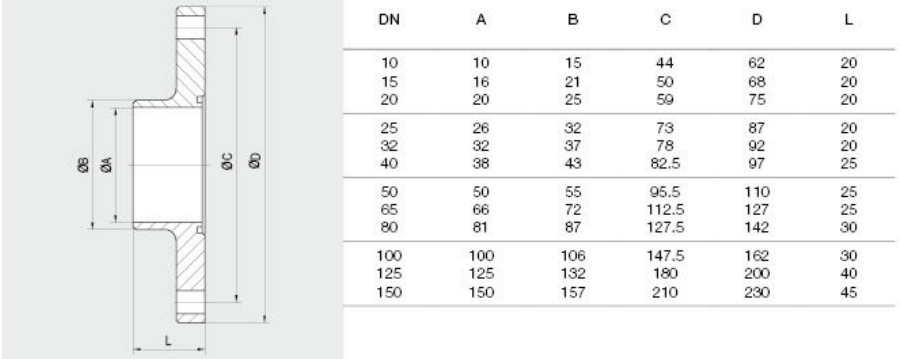
DIN11850



DN	A	B	C	D	L
10	10	15	44	62	20
15	16	21	50	68	20
20	20	25	59	75	20
25	26	32	73	87	20
32	32	37	78	92	20
40	38	43	82.5	97	25
50	50	55	95.5	110	25
65	66	72	112.5	127	25
80	81	87	127.5	142	30
100	100	106	147.5	162	30
125	125	132	180	200	40
150	150	157	210	230	45

凹面焊接法兰
Welding flange with concave

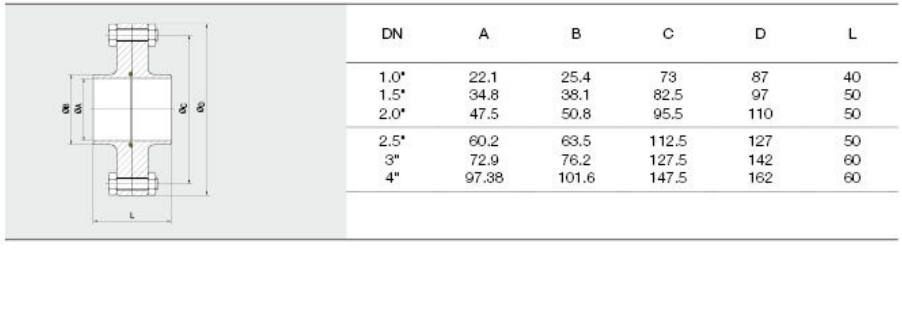
DIN11850



DN	A	B	C	D	L
10	10	15	44	62	20
15	16	21	50	68	20
20	20	25	59	75	20
25	26	32	73	87	20
32	32	37	78	92	20
40	38	43	82.5	97	25
50	50	55	95.5	110	25
65	66	72	112.5	127	25
80	81	87	127.5	142	30
100	100	106	147.5	162	30
125	125	132	180	200	40
150	150	157	210	230	45

法兰组件
Flange fittings

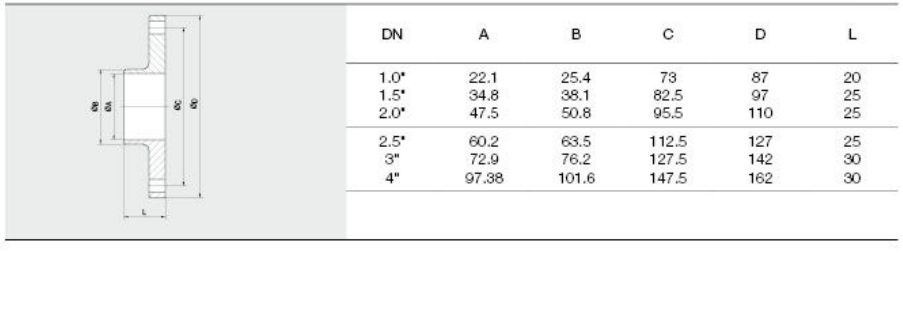
Inch



DN	A	B	C	D	L
1.0"	22.1	25.4	73	87	40
1.5"	34.8	38.1	82.5	97	50
2.0"	47.5	50.8	95.5	110	50
2.5"	60.2	63.5	112.5	127	50
3"	72.9	76.2	127.5	142	60
4"	97.38	101.6	147.5	162	60

平面法兰
Welding flange with plat

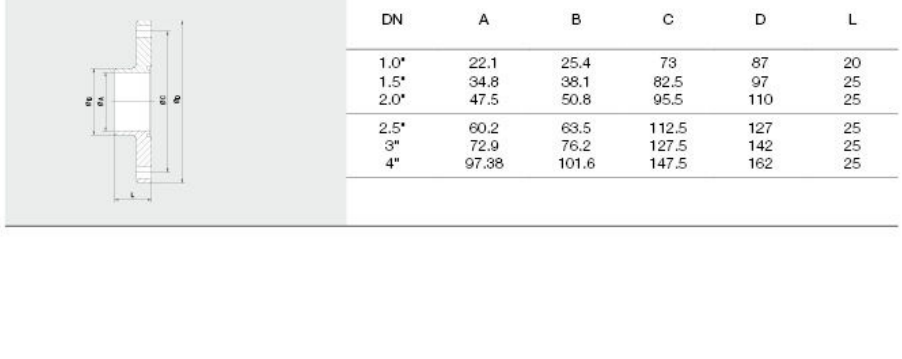
Inch



DN	A	B	C	D	L
1.0"	22.1	25.4	73	87	20
1.5"	34.8	38.1	82.5	97	25
2.0"	47.5	50.8	95.5	110	25
2.5"	60.2	63.5	112.5	127	25
3"	72.9	76.2	127.5	142	30
4"	97.38	101.6	147.5	162	30

凹面焊接法兰
Welding flange with concave

Inch



DN	A	B	C	D	L
1.0"	22.1	25.4	73	87	20
1.5"	34.8	38.1	82.5	97	25
2.0"	47.5	50.8	95.5	110	25
2.5"	60.2	63.5	112.5	127	25
3"	72.9	76.2	127.5	142	25
4"	97.38	101.6	147.5	162	25

Stainless steel tube

概述 Summarize:

万国公司生产DIN11850、3A、SMS3008、ISO1127、BS4825-1、ASME BPE、GB/T 17395系列标准卫生级焊管和无缝管，所有标准卫生管可按客户要求进行不同的抛光处理。
所有金属材质均可提供EN10204，3.1B证书。

Wanguo can produce sanitary pipe and seamless pipe with DIN11850, 3A, SMS3008, ISO1127, BS4825-1, ASME BPE, GB/T 17395 standards . and polished as client's requirements .
Wanguo provide 3.1B certification of EN10204 for all the steel material.

技术参数 Technical date

标准 Standard	DIN11850、3A、SMS3008、ISO1127、BS4825-1、ASME BPE、GB/T 17395
尺寸 Size	1"-8" DN10-DN200 17.2-168.3
金属材质 Steel material	304, 304L, 316, 316L
表面处理 Surface qualities	1) 180 Grit
	2) 240 Grit
	3) 320 Grit
	4) 420 Grit
	5) Unpolished

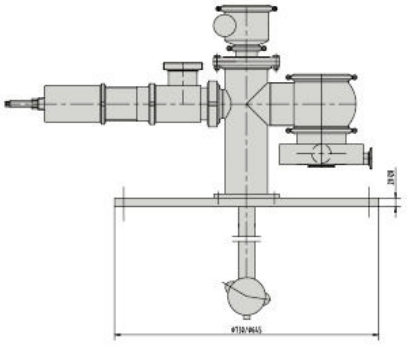
产品订购
Ordering specifications

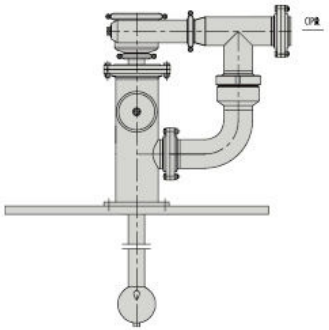
指定:	· 标准	Specify:	· Standard
	· 规格		· Size
	· 金属材质		· Steel material
	· 表面处理		· Surface quality
	· 数量		· Quantity

例 Example

标准 Standard	规格 Size	金属材质 Steel material	表面处理 Surface quality	数量 Quantity
3A	1.5"	304	2) 240 Grit	5000

罐用安全组件
Air cleaning combination





组成部分：

1. 弹簧压力调节阀
2. 旋转喷球清洗机构
3. 防止真空阀
4. 清洗球

Possible equipment

1. Pressures valve
2. Rolling cleaning ball
3. Check vacuum valve
4. Spray ball

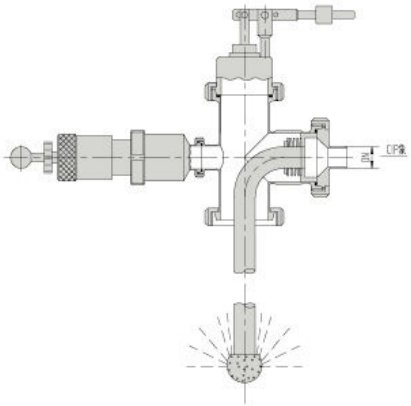
技术参数

使用温度：-10℃～+120℃
压力调节阀排气压力：0~4bar
防止真空阀开启压力：0.0025bar低压时气体密封
清洗球清洗压力：2.3~4.3Mpa
喷射直径：2~10m
流量：7~29m3/h
带有自清洗槽

Tech Pata:

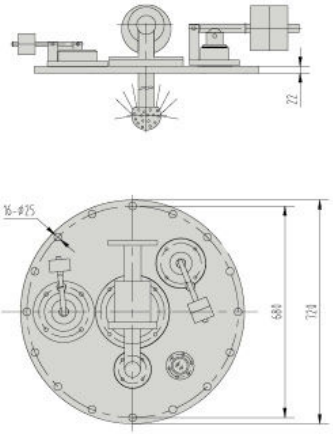
Temperature range:-10℃～+120℃
Pressures valve eshaust pressure:0~4bar
Open valve pressure:0.0025bar
Cleaning pressure:2.3~4.3Mpa
Spray diameter:2~10m
Flow:7~29m3/h
Self cleaning channel

罐顶安全组件
Air cleaning Combination



组成部分	*Possible equipment*
1.防止真空阀	1.Vacuum valve check
2.安全阀	2.Safety valve
3.清洗球	3.Spray ball
4.止回阀	4.Check valve

罐顶安全组件
Air cleaning Combination

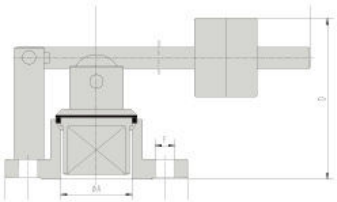


组成部分	*Possible equipment*
1.防止真空阀	1.Vacuum valve check
2.气液分流器	2.Gas-liquid splitter valve
3.自动排气阀	3.Auto-exhaust valve
4.清洗球	4.Spray ball
5.视镜	5.Sight glass

使用温度：-10℃～+20℃
自动排气阀开启压力：0.5～1.5bar
防止真空阀开启压力：0.01176bar
气液分流器清洗工作压力：3bar
根据罐的容积选配不同通径的排气阀和真空阀

Temperature range: -10℃~+20℃
Open valve pressure: 0.5~1.5bar
Open valve pressure: 0.01176bar
Working pressure: 3bar

自动排气阀（安全阀）
Auto-eshaust Valve



DN	A	B	C	D	E	F
40	37	125	160	117	280	4-Ø18
65	66	130	160	191	385	4-Ø18

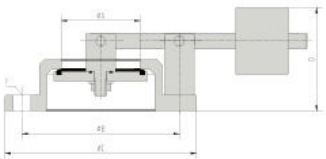
技术参数

公称压力: 1.5bar
控制压力: 有两档: 一个重锤为A级 0.5~1bar
两个重锤为B级 1~1.5bar
(允许误差为0.098bar)
适用温度T: -10~+80℃
排气量:
0.5bar: DN40: 90m3/h; DN65: 170m3/h
1bar: DN40: 150m3/h; DN65: 300m3/h
1.5bar: DN40: 200m3/h; DN65: 380m3/h

Tech pata

Nominal pressure: 1.5bar
Control Pressure: Two level: A level: one hammer 0.5~1bar
B level: Two hammer 1~1.5bar
Appliable Temp T: -10~+80℃
Exhaust Volume:
0.5bar: DN40: 90m3/h; DN65: 170m3/h
1bar: DN40: 150m3/h; DN65: 300m3/h
1.5bar: DN40: 200m3/h; DN65: 380m3/h

防止真空阀
Check Vacuum Valve



DN	A	B	C	D	E	F
65	66	160	195	100	190	4-Ø18
80	81	160	195	104	210	4-Ø18
100	100	200	235	125	242	8-Ø18

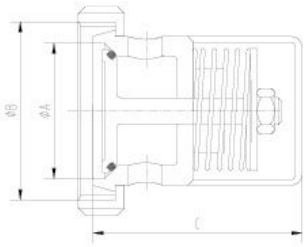
技术参数

公称压力HP: 1.5bar
开启真空度PK: 0.1176±0.00196bar (120±20mm水柱)
适用温度 T: -10~+80℃
吸气量:
-100mm 水柱: DN60: 90m3/h; DN80: 120m3/h; DN100: 180m3/h
-200mm 水柱: DN60: 220m3/h; DN80: 300m3/h; DN100: 180m3/h

Tech Pata

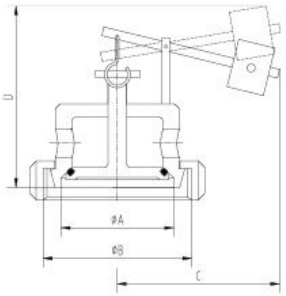
Nominal pressure HP: 1.5bar
PK: 0.1176±0.00196bar (120±20mm water column)
Appliable temp T: -10~+80℃
Air absorbing volume:
-100mm water column: DN60: 90m3/h; DN80: 120m3/h; DN100: 180m3/h
-200mm water column: DN60: 220m3/h; DN80: 300m3/h; DN100: 180m3/h

防止真空阀
Check Vacuum Valve



DN	A	B	C
40	37	Rd65x1/6"	61
50	49	Rd78x1/6"	69
65	66	Rd95x1/6"	83
80	81	Rd110x1/4"	106
100	100	Rd130x1/4"	230

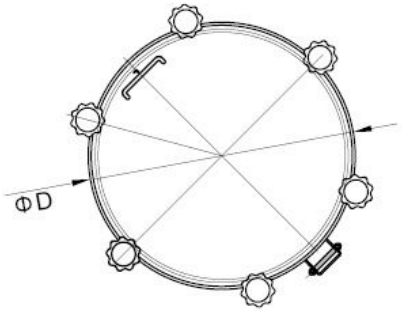
防止真空阀
Check Vacuum Valve



DN	A	B	C	D
40	37	Rd65x1/6"	70	85
50	49	Rd78x1/6"	80	105
65	66	Rd95x1/6"	92	130
80	81	Rd110x1/4"	111	140
100	100	Rd130x1/4"	135	218

ISO9001 CE

压力人孔
Pressure man hole



该压力型人孔主要应用在食品，酿酒，饮料,制药等工业领域压力容器上。

The pressure type man hole is mainly used for pressure vessel in the fields of food, beverage, chemical, etc.

外开式人孔盖子
塑料手轮或不锈钢手轮
带法兰式窥视镜
由任式窥视镜
内表面：Ra0.8um-0.5um
外表面：抛光处理、亚光处理、喷砂处理
最大压力：5.0bar
垫圈：EPDM 、NBR、SILICON、FPM 符合FDA177.1600
高度 100，120，150
材质：AISI304(1.4301)/316L(1.4404)

Outward opening man hole cover
Plastic hand wheel or stainless steel hand wheel
Sight glass with flange
Union type sight glass
Internal surface: Ra0.8um–0.5um
Outside surface: polishing finished, sub–light finished, sand–blasting finished.
Max. pressure: 5.0bar
Gasket:EPDM,NBR,SILICONN,FPMin accordance with FDA177.1600
Height: 100,120,150
Material:AISI304(1.4301)/316 L (1.4404)

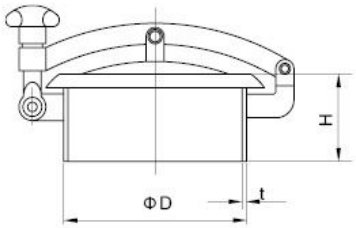
高度（H1）可制作成120MM,150MM等；壁厚可以制作4MM或其它的壁厚；手轮数量也可根据客户要求改变

Height(H1) can be changed to 120mm, 150mm, etc. The thickness can be changed to 4mm or other Sizes. The amount of handles can be changed according to request of customers

尺寸(mm)
dimensions (mm)

D	高度(Height)	壁厚(thickness)
400.0	120.0	3.0
430.0	120.0	3.0
450.0	120.0	3.0
500.0	120.0	3.0
600.0	120.0	4.0

圆型人孔
Round man hole cover



该人孔主要应用在食品，酿酒，饮料,制药等工业领域罐设备上。

The man hole is mainly used for tanks in the fields of food, beverage, chemical, etc.

外开式人孔盖子
塑料手轮或不锈钢手轮
内表面：Ra0.8μm-0.5μm
外表面：抛光处理、亚光处理、喷砂
处理最大压力：1.0bar
垫圈：EPDM 、NBR、SILICON、FPM 符合FDA177.2600
高度：100、120、150
材质：AISI304(1.4301)/316L(1.4404)

Outward opening man hole cover
Plastic hand wheel or stainless steel hand wheel
Internal surface: Ra0.8um–0.5um
Outside surface: polishing finished, sub–light finished, sand–blasting finished.
Max. pressure: 5.0bar
Gasket: EPDM,NBR,SILICON,FPMin accordance with FDA177.2600
Height: 100,120,150
Material:AISI304(1.4301)/316L(1.4404)

高度（H1）可制作成120MM,150MM等；壁厚可根据客户要求改变

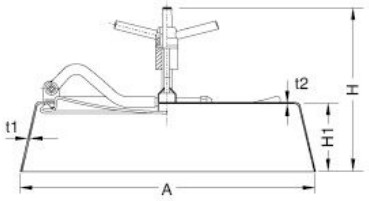
Height(H1) can be changed to 120mm, 150mm, etc. The thickness c can be changed according to request of customers

尺寸(mm)
dimensions (mm)

D	高度(Height)	壁厚(thickness)
400.0	100.0	2.0
430.0	100.0	2.5
450.0	100.0	2.5
500.0	100.0	3.0
600.0	100.0	4.0

椭圆型人孔

Elliptical ManHole Cover



该人孔主要应用在食品，酿酒，饮料,制药等工业领域罐设备上。

The man hole is mainly used for tanks in the fields of food, beverage, chemical etc.

内开式人孔盖子
扳手式手柄，手轮式手柄
内表面：Ra0.8μm-0.5μm
外表面：抛光处理、亚光处理、喷砂处理
最大压力：3.0bar
垫圈：EPDM 、NBR、SILICON、FPM 符合FDA177.2600
度：75，100，120，150
材质：AISI304(1.4301)/316L(1.4404)

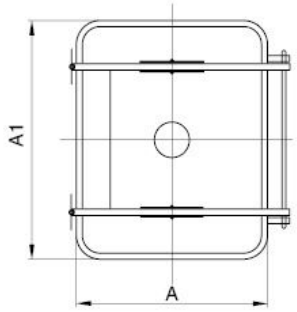
inward opening man hole cover
Spanner type handle, hand wheel handle
Internal surface: Ra0.8um-0.5um
Outside surface: polishing finished, sub-light finished, sand-blasting finished.
Max. pressure: 3.0bar
Gasket: EPDM 、NBR、SILICON、FPMin accordance with FDA177.2600
Height: 75，100,120,150
Material: AISI304(1.4301)/316L(1.4404)

高度（H1）可根据客户要求；壁厚可根据客户要求；

Height(H1) and the thickness can be changed according to request of customers.

尺寸(mm)
dimensions (mm)

A max	A min	H1	H	t1	t2
580.0	480.0	133.0	320.0	5.0	4.0



方型人孔
Square man hole cover

该人孔主要应用在食品，酿酒，饮料,制药等工业领域罐设备上。

The man hole is mainly used for tanks in the fields of food, beverage, chemical, etc.

外开式人孔盖子
扳手式手柄，手轮式手柄
内表面：Ra0.8μm-0.5μm
外表面：抛光处理、亚光处理、喷砂处理
最大压力：1.0bar
垫圈：EPDM 、NBR、SILICON、FPM 符合FDA177.2600
高度： 65，80，100，120，150
材质：AISI304(1.4301)/316L(1.4404)

Outward opening man hole cover
Spanner type handle, hand wheel handle
Internal surface: Ra0.8um-0.5um
Outside surface: polishing finished, sub-light finished, sand-blasting finished.
Max. pressure: 1.0bar
Gasket: EPDM,NBR,SILICON,FPMin accordance with FDA177.1600
Height: 65,80,100,120,150
Material: AISI304(1.4301)/316L(1.4404)

高度（H1）可根据客户要求；壁厚可根据客户要求；

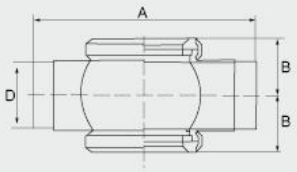
Height(H1) and the thickness can be changed according to request of customers.vemical, etc.

尺寸(mm)
dimensions (mm)

A	A1	高度(Height)
330.0	430.0	65.0
435.0	512.0	100.0

焊接式视镜 (A)
Welded Sight glass (A)

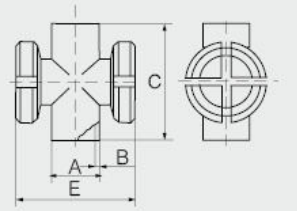
4001



Size	D	A	B
1s	25.4	110	32
1.25s	31.8	120	35
1.5s	38.1	140	38
2s	50.8	164	44
2.5s	63.5	190	51
3s	76.2	200	57
4s	101.6	230	70

焊接式视镜 (B)
Welded Sight glass (B)

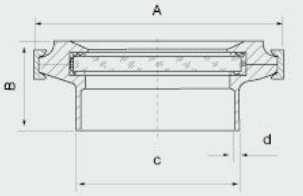
4002



Size	A	B	C	E
1.5s	38.1	1.5	98	113
2s	50.8	1.5	121	126
2.5s	63.5	2	135	140
3s	76.2	2	150	165
4s	101.6	2	200	193
DN40	40	1.5	100	115
DN50	53	1.5	121	128
DN65	70	2	135	147
DN80	85	2	165	174
DN100	104	2	200	195

焊接式视镜 (C)
Welded Sight glass (C)

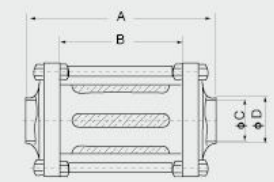
4003



Size	A	B	C	D
1s	60	32	25.4	1.5
1.25s	74	34	31.8	1.5
1.5s	74	34	38.1	1.5
2s	101	35	50.8	1.5
2.5s	101	35	63.5	2
3s	116	35	76.2	2
4s	129	35	101.6	2
DN25	60	32	28	1.5
DN32	74	34	34	1.5
DN40	74	34	40	1.5
DN50	101	35	53	1.5
DN65	101	35	70	2
DN80	116	35	85	2
DN100	129	35	104	2

焊接式直通视镜
Welded Straight Sight glass

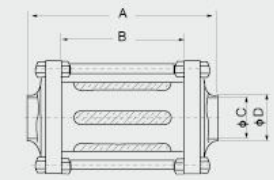
4005



Size	A	B	C	D
1s	136	89	22.4	25.4
1.25s	136	89	29	32
1.5s	136	89	35	38
2s	136	84	48	51
2.5s	140	86	59.5	63.5
3s	142	80	72	76
4s	146	66	97.6	101.8

焊接式直通视镜
Welded Straight Sight glass

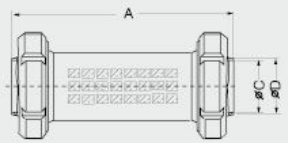
4006



Size	A	B	C	D
DN25	136	89	25/26	28/29
DN32	136	89	31/32	34/35
DN40	136	89	37/38	40/41
DN50	136	84	49/50	52/53
DN65	140	82	66	70
DN80	144	80	81	85
DN100	146	66	100	104

活接式直通视镜
Union Straight Sight glass

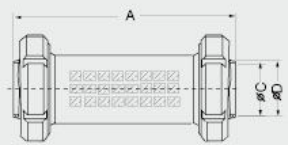
4007



Size	A	B	C	D
1s	202		22.4	25.4
1.25s	202		29	32
1.5s	202		35	38
2s	202		48	51
2.5s	202		59.5	63.5
3s	202		72	76
4s	202		97.6	101.6

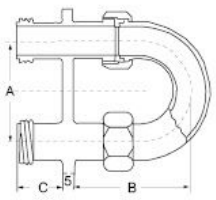
活接式直通视镜
Union Straight Sight glass

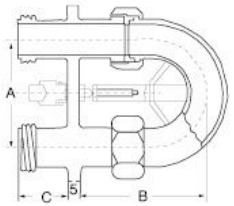
4008



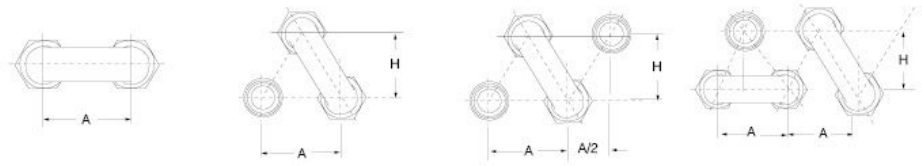
Size	A	B	C	D
DN25	202		25/26	28/29
DN32	202		31/32	34/35
DN40	202		37/38	40/41
DN50	202		49/50	52/53
DN65	202		66	70
DN80	202		81	85
DN100	202		100	104

清洗转换板
Cleaning Conversion Board

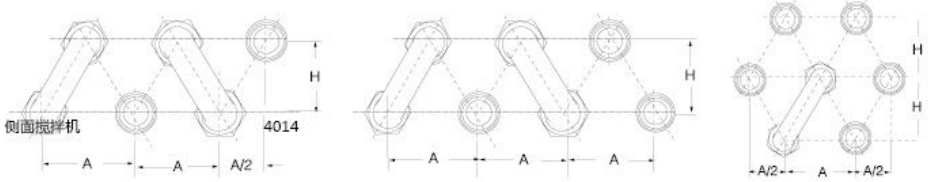




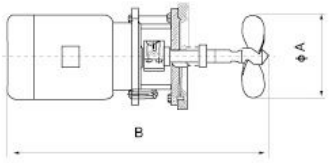
Size	D	A	B	C
DN25		146		26
DN32		156		32
DN40		179		38
DN50		203		50
DN65		256		66
DN80		295		81
DN100		340		100



侧面搅拌机 4014

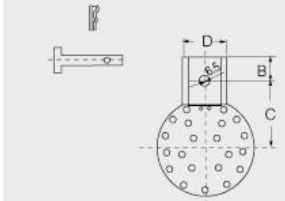


规格	r/min	A	B
J-2.2KW	940	210	730
J-4KW	955	280	850



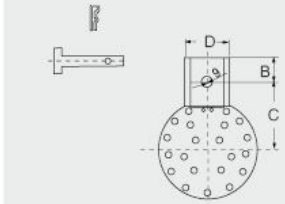
ISO9001 CE

清洗球Φ60全孔/半孔
Cleaning ball Ø60 whole hole / half hole 4015



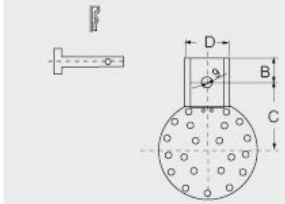
Size	D	A	B	C	E	kg
1s	25.8	15		76		

清洗球Φ100全孔
Cleaning ball Ø100 whole hole 4016



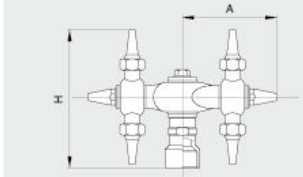
Size	D	A	B	C	E	kg
1.5s	35.8		20	112		
2s	51.2		20	112		

清洗球Φ100半孔
Cleaning ball Ø100 half hole 4017



Size	D	A	B	C	E	kg
1.5s	35.8		20	112		
2s	51.2		20	112		

螺纹式旋转清洗球
Threaded Rotary cleaning ball 4017



Size	A	H	压力 Pressure (bar)	清洗直径 Cleaning radius(m)	耗液量 Fluxation m^3/h
1"	118.0	165.0	1.5~2.0	2.0~3.0	23
1-1/2"	142.0	189.0	1.8~2.5	2.5~3.0	38
2"	145.0	191.0	2.5~3.0	3.5~4.0	60

国际通用卫生管标准及尺寸
International general standard and measurement of sanitary pipe and fittings

		DIN 11850 Series 0		DIN 11850 Series 1		DIN 11850 Series 2		DIN 11850 Series 3		SMS		DS		3A/BPE		ISO 1127 Series 1		BS 4825	
DN	SIZE	OD	T	OD	T	OD	T	OD	T	OD	T	OD	T	OD	T	OD	T	OD	T
DN10	3/8"	12	1.5	12	1	13	1.5	14	2							17.2	1.6		
DN15	1/2"	18	1.5	18	1	19	1.5	20	2					12.7	1.65	21.3	1.6		
DN20	3/4"	22	1.5	22	1	23	1.5	24	2					19.05	1.65	26.9	1.6		
DN25	1"	28	1.5	28	1	29	1.5	30	2	25	1.25	25.4	1.5	25.4	1.65	33.7	2	25.4	1.6
DN32	1 1/4"	34	1.5	34	1	35	1.5	36	2	32	1.25	31.75	1.5			42.4	2		
DN40	1 1/2"	40	1.5	40	1	41	1.5	42	2	38	1.25	38.1	1.5	38.1	1.65	48.3	2	38.1	1.6
DN50	2"	52	1.5	52	1	53	1.5	54	2	51	1.25	50.8	1.5	50.8	1.65	60.3	2	50.8	1.6
DN65	2 1/2"					70	2			63.5	1.5	63.5	1.5	63.5	1.65			63.5	1.6
DN80	3"					85	2			76.1	1.6	76.2	2.0	76.2	1.65	76.1	2.3	76.2	1.6
	3 1/2"															88.9	2.3		
DN100	4"					104	2			101.6	2	101.6	2.0	101.6	2.11	114.3	2.6	101.6	2
DN125	5"					129	2							127	2.11	139.7	2.6		
DN150	6"					154	2							152.4	2.77	168.3	2.6		
DN200	8"					204	2							203.2	2.77	219.1	2.6		

不锈钢化学成分与力学性能
CHEMICAL COMPOSITION AND MECHANICS PROPERTY

	钢种	CHEMICAL COMPOSITION 化学成份								MECHANICS PROPERTY 力学性能			
		C ≤	Si ≤	Mn ≤	P ≤	S ≤	Cr	Mo	Ni	σ_s 0.2(Mpa)≥	σ_b (Mpa)≥	δ 5 %	HB≤
(GB)	0Cr18Ni9	0.07	1.0	2.0	0.035	0.030	17.0-19.0	/	8.0-11	205	520	40	187
	00Cr19Ni10	0.03	1.0	2.0	0.035	0.030	18.0-20.0	/	8.0-12	177	480	40	187
	0Cr17Ni12Mo2	0.08	1.0	2.0	0.035	0.030	16.0-18.5	2.0-3.0	10-14	205	520	40	187
	00Cr17Ni14Mo2	0.03	1.0	2.0	0.035	0.030	16.0-18.0	2.0-3.0	12-15	177	480	40	187
(ASTM)	304	0.08	1.0	2.0	0.045	0.030	18.0-20.0	/	8.0-11.5	205	515	35	187
	304L	0.035	1.0	2.0	0.045	0.030	18.0-20.0	/	8.0-12	170	485	35	187
	316	0.08	1.0	2.0	0.045	0.030	16.0-18.0	2.0-3.0	10-14	205	515	35	187
	316L	0.035	1.0	2.0	0.045	0.030	16.0-18.0	2.0-3.0	10-14	170	485	35	187
(JIS)	SUS304	0.08	1.0	2.0	0.045	0.030	18.0-20.0	/	8.0-11	206	520	35	187
	SUS304L	0.03	1.0	2.0	0.045	0.030	18.0-20.0	/	9.0-13	177	481	35	187
	SUS316	0.08	1.0	2.0	0.045	0.030	16.0-18.0	2.0-3.0	10-14	206	520	35	187
	SUS316L	0.03	1.0	2.0	0.045	0.030	16.0-18.0	2.0-3.0	12-15	177	481	35	187
(DIN)	1.4301	0.07	1.0	2.0	0.045	0.015	17.5-19.5	/	8.0-10.5	205	520	40	187
	1.4307	0.03	1.0	2.0	0.045	0.015	17.5-19.5	/	8.0-10.5	180	480	40	187
	1.4401	0.07	1.0	2.0	0.045	0.015	16.5-18.5	2.0-2.5	10-13	205	520	40	187
	1.4404	0.03	1.0	2.0	0.045	0.015	16.5-18.5	2.0-2.5	10-13	180	480	40	187

卡箍的工作压力及工作温度符合下列要求
Clamp Working pressure and temperature accordding to below:

压力单位(PSI)

SIZE			13MHHH(单销)		13MHHM(双销)		13MHHS(三片式)		13MHP(高压式)	
3A	DIN	ISO 1127	21℃	121℃	21℃	121℃	21℃	121℃	21℃	121℃
1/2"-3/4"			1200	1000						
	DN10-DN20	10.2-21.3	1200	1000						
1"-1 1/2"	DN25-DN40	26.9-42.4	500	250	500	250	600	300	1500	1200
2"	DN50	48.3	450	250	450	250	550	275	1000	800
2 1/2"		60.3	400	200	400	200	450	225	1000	800
3"	DN65	76.1	350	150	350	150	350	160	1000	800
	DN80	88.9	300	150	300	150	300	150	1000	800
4"	DN100	101.6	200	125	200	125	350	150	1000	800
		114.3	200	125	200	125			600	400
5"	DN125	139.7	200	125	200	125			600	400
6"			150	75	150	75			400	300
	DN150	168.3	100	50	150	75				
8"	DN200	8"	100	50	100	50				
10"	DN250	10"	100	50						
12"	DN300	12"	80	40						

密封件物理特性简表
Seal Physical characteristics table

密封件物理特性	EPDM	SI	NBR	FPM	PTFE
延伸性 Serength	优 Excellent	优 Excellent	优 Excellent	良 Good	
耐蒸汽性 Steam	优 Excellent	良 Good	良 Good	优 Excellent	优 Excellent
耐冲击性 Impct	良 Good	一般 Ok	一般 Ok	一般 Ok	优 Excellent
耐水性 Water	优 Excellent	良 Good	优 Excellent	优 Excellent	良 Good
耐磨性 Grind	良-优 Good	一般 Ok	优 Excellent	优 Excellent	优 Excellent
耐碱性 Alkaline	优 Excellent	良 Good	良 Good	优 Excellent	优 Excellent
耐酸性 Acid	良 Good	一般 Ok	良 Good	优 Excellent	优 Excellent
耐氧老化性 Oxidation	优 Excellent	优 Excellent	一般 Ok	优 Excellent	优 Excellent
气密性 Hermetic	良-优 Good	一般 Ok	良-优 Good	优 Excellent	优 Excellent
工作温度 Operating mode	-50～+130℃	-100～+250℃	-10～+120℃	-10～+280℃	-250～+260℃