EICMATION®

规格

设计
阀体为分体结构，根据3A,DIN,ISO,SMS标准设计，材料符合FDA117.2600

操作
手柄90°旋转

连接
焊接，卡箍

表面处理
内部：0.4-0.8um
外部：0.8-1.6um

压力范围
DN15-DN100:16bar

温度范围
常温型：
PTFE: -30°C - +120°C
高温型：
TFM1600：-30°C - +150°C
M111: -30°C - +180°C

材料

阀体:	CF8 CF8M
球芯:	304、304L、316、316L
阀座密封:	PTFE、TFM1600、M111
阀座类型：全包阀座，半包阀座	
阀杆密封:	PTFE、RPTFE
轴:	不锈钢
手柄:	SS

Specification

DESIGN
The valve body has a split structure, according to 3A, DIN 11850.1,ISO, SMS standard design, material meets FDA117.2600

OPERATION
90 ° rotation of the handle

CONNECTION
Weld, Clamp

SURFACE TREATMENT
Internal : 0.4-0.8 um
External : 0.8-1.6 um

PRESSURE RANGE
DN15-DN100:16bar

TEMPERATURE RANGE
Normal temperature:
PTFE: -30°C - +120°C
High temperature:
TFM1600：-30°C - +150°C
M111: -30°C - +180°C

MATERIALS

Body:	CF8 CF8M
Ball:	304、304L、316、316L
Seat seal:	PTFE、TFM1600、M111
Seat type::	All-inclusive seat，Half pack seat
Stem seal:	PTFE、RPTFE
Shaft:	Stainless steel
Handle:	SS

型号：
MBA/MBM
手动卫生球阀

PN10/PN16

CF8
CF8M



Type:
MBA/MBM
Manual Sanitary Ball Valve
PN10/PN16

CF8
CF8M

以上信息仅供参考，埃克美迅公司保留修改的权利，恕不另行通知

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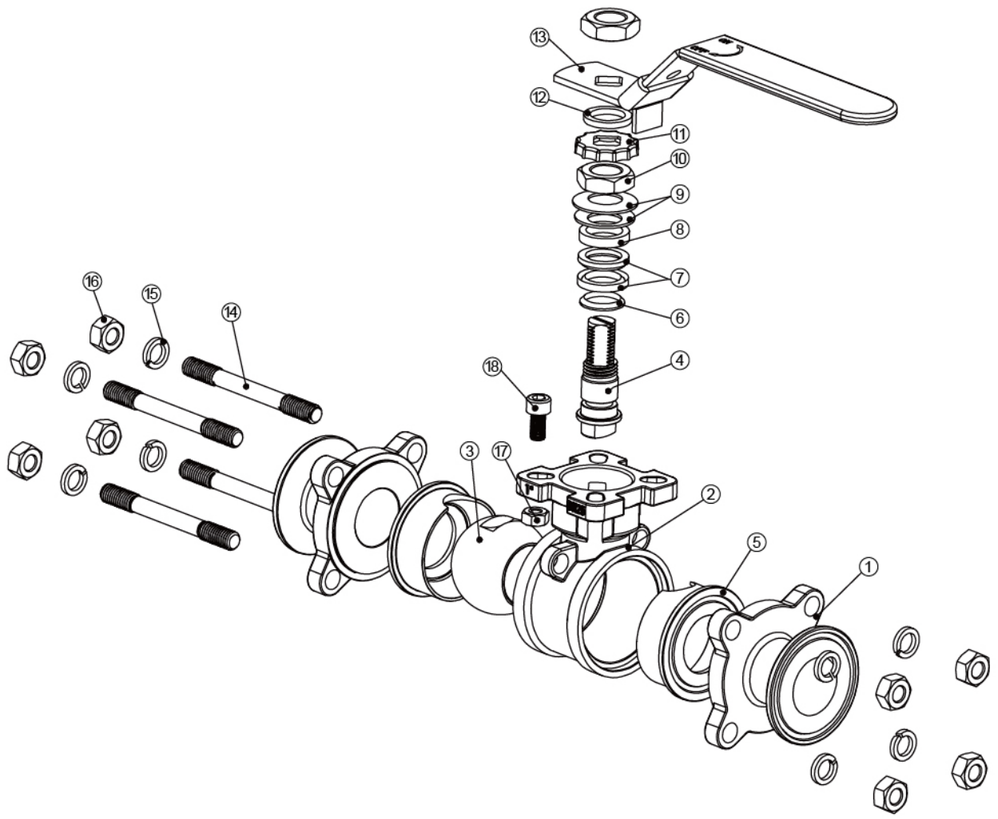
举例说明： 比如 MBA3522214
=手动卫生球阀(全包阀座),CF8/304L,PTFE,PN10,卡箍,DN20
球阀

1 .字符 产品	2+3.字符 阀体/内件	4.字符 密封	5.字符 标准压力	6.字符 连接	7 + 8.字符 口径
MBA=手动卫生球阀 (全包阀座) MBM=手动卫生球阀 (半包阀座)	35=CF8/304L 46=CF8M/316L 33=CF8/304 44=CF8M/316	2=PTFE 3=M111 8=TFM1600	2=PN10 3=PN16	S=对焊 2=卡箍	13=1/2" 18=2" 14=3/4" 19=2-1/2" 15=1" 20=3" 16=1-1/4" 21=4" 17=1-1/2"

Ordering example: e.g. MBA3522214
=Manual sanitary ball valve(All-inclusive seat),CF8/304L,PTFE,PN10,Clamp,DN20
Ball valve

A. Type	B+C. Body/Internal	D. Seal	E. Standard pressure	F. Connection	G+H. Size
MBA=Manual sanitary ball valve (All-inclusive seat) MBM=Manual sanitary ball valve (Half pack seat)	35=CF8/304L 46=CF8M/316L 33=CF8/304 44=CF8M/316	2=PTFE 3=M111 8=TFM1600	2=PN10 3=PN16	S=Weld 2=Clamp	13=1/2" 18=2" 14=3/4" 19=2-1/2" 15=1" 20=3" 16=1-1/4" 21=4" 17=1-1/2"

零件说明/Parts list

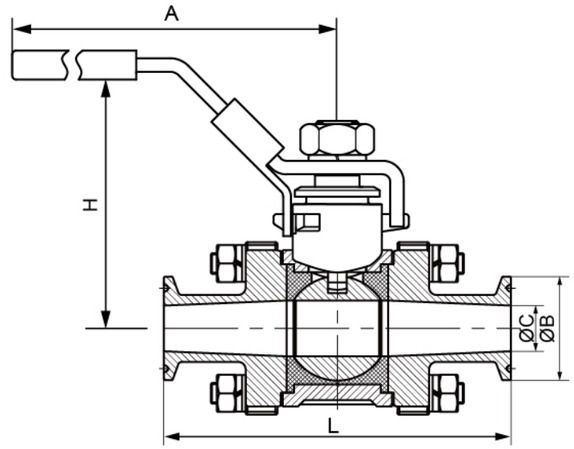


序号	描述	材料
1	阀盖	CF8、CF8M
2	阀体	CF8、CF8M
3	球芯	304L、316L
4	阀杆	304L、316L
5	阀座密封	PTFE、TFM1600、M111
6	薄片密封垫	PTFE、TFM1600、M111
7	V型密封圈组件	PTFE、TFM1600、M111
8	垫圈	304
9	弹簧垫	304
10	螺母	304
11	止动圈	304
12	垫片	PTFE、TFM1600、M111
13	手柄	304
14	螺栓	304
15	弹垫	304
16	螺母	304
17	螺母	304
18	螺栓	304

No.	Description	Material
1	Cap	CF8、CF8M
2	Body	CF8、CF8M
3	Ball	304L、316L
4	Stem	304L、316L
5	Body Seal	PTFE、TFM1600、M111
6	Washer Gasket	PTFE、TFM1600、M111
7	V-seal Components	PTFE、TFM1600、M111
8	Gasket	304
9	Spring Gasket	304
10	Nut	304
11	Stopper Ring	304
12	Gasket	PTFE、TFM1600、M111
13	Handle	304
14	Bolt	304
15	Spring Washer	304
16	Nut	304
17	Nut	304
18	Bolt	304

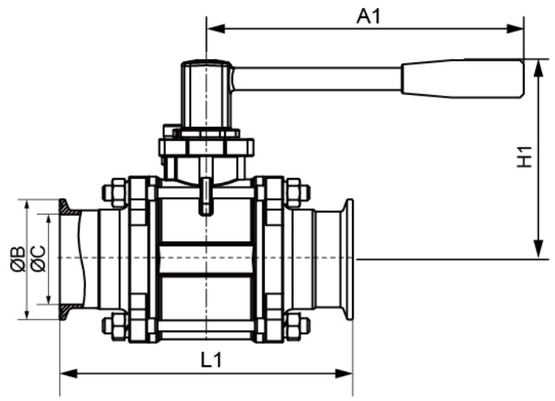
尺寸/Dimension

常温型
Normal temperature



SIZE	DN	A	ISO/SMS		BPE/3A		DIN		L	H
			ØC	ØB	ØC	ØB	ØC	ØB		
1/2"	15	130	9.7	25.2	9.4	25.2	15	34	93	71
3/4"	20	130	16	25.2	15.75	25.2	19	50.5	103.5	73
1"	25	165	22.4	50.5	22.1	50.5	25	50.5	110	91.6
11/4"	32	165	28.8	50.5	28.5	50.5	31	50.5	120	96.6
11/2"	40	190	35.1	50.5	34.8	50.5	37	50.5	129	104
2"	50	190	47.8	64	47.5	64	49	64	145	110

高温型
High temperature



SIZE	DN	A1	ISO/SMS		BPE/3A		DIN		L1	H1
			ØC	ØB	ØC	ØB	ØC	ØB		
3/4"	20	125	16.1	25.4	15.75	25.4	19	25.4	89	84
1"	25	125	22.4	50.5	22.1	50.5	25	50.5	114	86
11/4"	32	125	28.8	50.5	28.5	50.5	31	50.5	117	91
11/2"	40	168	35.1	50.5	34.8	50.5	37	50.5	142	98
2"	50	168	47.8	64	47.5	64	49	64	156	106

EICMATION®

规格

设计
阀体为分体结构，根据3A,DIN,ISO,SMS标准设计，材料符合FDA117.2600

操作
手柄90°旋转

连接
焊接，卡箍

表面处理
内部：0.4-0.8um
外部：0.8-1.6um

压力范围
DN15-DN100:16bar

温度范围
常温型：
PTFE: -30°C - +120°C
高温型：
TFM1600：-30°C - +150°C
M111: -30°C - +180°C

材料
阀体: CF8
CF8M

球芯: 304、304L、316、316L

阀座密封: PTFE、TFM1600、M111

阀杆密封: PTFE、RPTFE

阀座类型：全包阀座，半包阀座

轴: 不锈钢

手柄: SS

选项
电子指示器
加长手柄
手轮装置

Specification

DESIGN
The valve body has a split structure, according to 3A, DIN 11850.1,ISO, SMS standard design, material meets FDA117.2600

OPERATION
90 ° rotation of the handle

CONNECTION
Weld, Clamp

SURFACE TREATMENT
Internal : 0.4-0.8 um
External : 0.8-1.6 um

PRESSURE RANGE
DN15-DN100:16bar

TEMPERATURE RANGE
Normal temperature:
PTFE: -30°C - +120°C
High temperature:
TFM1600：-30°C - +150°C
M111: -30°C - +180°C

MATERIALS
Body: CF8
CF8M

Ball: 304、304L、316、316L

Seat seal: PTFE、TFM1600、M111

Stem seal: PTFE、RPTFE

Seat type:: All-inclusive seat，Half pack seat

Shaft: Stainless steel

Handle: SS

OPTIONS
Electrical position indicator
Lengthened handle
Handwheel device

型号：
MAA/MAM
ISO5211平台卫生球阀

PN10/PN16

CF8
CF8M



Type:
MAA/MAM
Manual Sanitary Ball Valve

PN10/PN16

CF8
CF8M

以上信息仅供参考，埃克美迅公司保留修改的权利，恕不另行通知

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举例说明： 比如 MAA3522214
=ISO5211平台卫生球阀(全包阀座)，CF8/304L，PTFE,PN10，卡箍，DN14
球阀

1 .字符 产品	2+3.字符 阀体/内件	4.字符 密封	5.字符 标准压力	6.字符 连接	7 + 8.字符 口径
MAA=ISO5211平台卫生球阀(全包阀座) MAM=ISO5211平台卫生球阀(半包阀座)	35=CF8/304L 46=CF8M/316L 33=CF8/304 44=CF8M/316	2=PTFE 3=M111 8=TFM1600	2=PN10 3=PN16	S=对焊 2=卡箍	13=1/2" 18=2" 14=3/4" 19=2-1/2" 15=1" 20=3" 16=1-1/4" 21=4" 17=1-1/2"

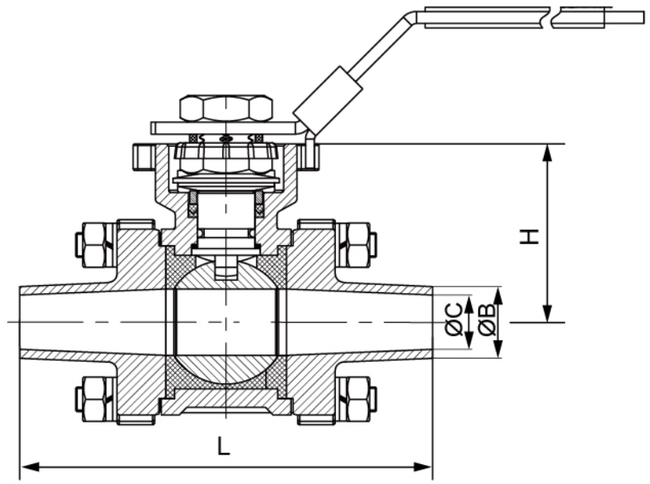
Ordering example: e.g. MAA3522214
=ISO5211 platform sanitary ball valve(All-inclusive seat), CF8/304L，PTFE,PN10，Clamp，DN14
Ball valve

A. Type	B+C. Body/Internal	D. Seal	E. Standard pressure	F. Connection	G+H. Size
MAA=ISO5211 platform sanitary ball valve (All-inclusive seat) MAM=ISO5211 platform sanitary ball valve (Half pack seat)	35=CF8/304L 46=CF8M/316L 33=CF8/304 44=CF8M/316	2=PTFE 3=M111 8=TFM1600	2=PN10 3=PN16	S=Weld 2=Clamp	13=1/2" 18=2" 14=3/4" 19=2-1/2" 15=1" 20=3" 16=1-1/4" 21=4" 17=1-1/2"

尺寸/Dimension

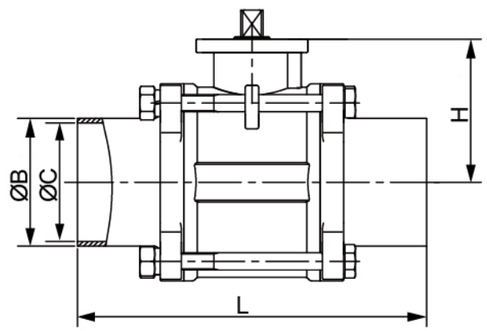
Weld

常温型
Normal temperature



SIZE	DN	SMS		ASME/3A		DIN		L	H
		ØC	ØB	ØC	ØB	ØC	ØB		
3/4"	20	16.1	19	16.1	19.1	19	22	103.5	42.3
1"	25	22.4	25	22.4	25.4	25	28	110	58.4
11/4"	32	28.8	32	28.8	31.8	31	34	120	58.4
11/2"	40	35.1	38	35.1	38.1	37	40	129	70.8
2"	50	47.8	51	47.8	50.8	49	52	145	77.8

高温型
High temperature



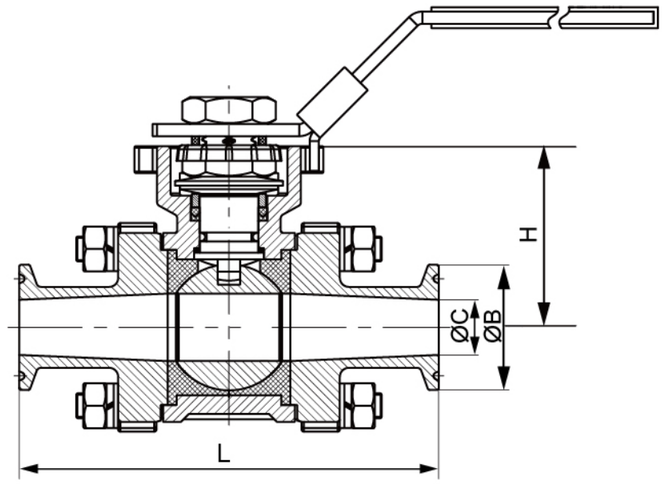
SIZE	DN	SMS		ASME/3A		DIN		L	H
		ØC	ØB	ØC	ØB	ØC	ØB		
3/4"	20	16.1	19	16.1	19.1	19	22	89	40.5
1"	25	22.4	25	22.4	25.4	25	28	114	44
11/4"	32	28.8	32	28.8	31.8	31	34	117	49
11/2"	40	35.1	38	35.1	38.1	37	40	142	56
2"	50	47.8	51	47.8	50.8	49	52	156	64

尺寸/Dimension

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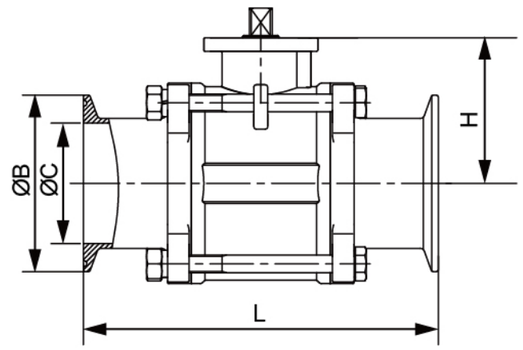
Clamp

常温型
Normal temperature



SIZE	DN	A	ISO/SMS		BPE/3A		DIN		L	H
			ØC	ØB	ØC	ØB	ØC	ØB		
1/2"	15	130	9.7	25.2	9.4	25.2	15	34	93	71
3/4"	20	130	16	25.2	15.75	25.2	19	50.5	103.5	73
1"	25	165	22.4	50.5	22.1	50.5	25	50.5	110	91.6
11/4"	32	165	28.8	50.5	28.5	50.5	31	50.5	120	96.6
11/2"	40	190	35.1	50.5	34.8	50.5	37	50.5	129	104
2"	50	190	47.8	64	47.5	64	49	64	145	110

高温型
High temperature



SIZE	DN	ISO/SMS		BPE/3A		DIN		L	H
		ØC	ØB	ØC	ØB	ØC	ØB		
3/4"	20	16.1	25.4	15.75	25.4	19	25.4	89	40.5
1"	25	22.4	50.5	22.1	50.5	25	50.5	114	44
11/4"	32	28.8	50.5	28.5	50.5	31	50.5	117	49
11/2"	40	35.1	50.5	34.8	50.5	37	50.5	142	56
2"	50	47.8	64	47.5	64	49	64	156	64

EICMATION®

规格

设计
阀体为分体结构，根据3A,DIN,ISO,SMS标准设计，材料符合FDA117.2600

操作
气动双作用或单作用

连接
焊接，卡箍

表面处理
内部：0.4-0.8μm
外部：0.8-1.6μm

压力范围
DN15-DN100:16bar

温度范围
常温型：
PTFE: -30°C - +120°C
高温型：
TFM1600: -30°C - +150°C
M111: -30°C - +180°C

材料
阀体: CF8
CF8M

球芯: 304、304L、316、316L
316L

阀座密封: PTFE、TFM1600、M111

阀座类型：全包阀座，半包阀座

阀杆密封: PTFE、RPTFE

轴: 不锈钢

执行器
缸体：铝合金，其他请咨询
盖子：聚碳酸脂涂层

环境温度
-20°C - +70°C

气源介质
过滤后气体(除油、灰和水)

选项
两位三通或两位五通阀，限位开关，定位器，过滤减压器，手动离合器

更多规范请根据球阀(MAA)和执行器(PA)数据表

以上信息仅供参考，埃克美迅公司保留修改的权利，恕不另行通知

Specification

DESIGN
The valve body has a split structure, according to 3A, DIN ,ISO, SMS standard design, material meets FDA117.2600

OPERATION
Pneumatic double-acting or single-acting

CONNECTION
Weld, Clamp

SURFACE TREATMENT
Internal :0.4-0 .8μm
External :0.8-1 .6μm

PRESSURE RANGE
DN15-DN100:16bar

TEMPERATURE RANGE
Normal temperature:
PTFE: -30°C - +120°C
High temperature:
TFM1600: -30°C - +150°C
M111: -30°C - +180°C

MATERIALS
Body: CF8
CF8M

Ball: 304、304L、316、316L
316L

Seat seal: PTFE、TFM1600、M111

Seat type:: All-inclusive seat，Half pack seat

Stem seal: PTFE、RPTFE

Shaft: Stainless steel

ACTUATOR
Body: Aluminum alloy， Others on request
Cap: Polyurethane coating

EXTERNAL TEMPERATURE RANGE
-20°C - +70°C

PILOT MEDIA
Filtered gases (oil, ash and water removal)

OPTIONS
3/2-ways or 5/2-ways valve,limit switch, positioner,filter reducer,manual clutch

For further specifications please refer to the ball valve (MAA) and actuator (PA) data sheet

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型号：
MAA-PA/MAM-PA

气动卫生球阀
PN10/PN16

CF8
CF8M



Type:
MAA-PA/MAM-PA

Pneumatic Sanitary Ball Valve
PN10/PN16

CF8
CF8M

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举例说明： 比如 MAA3522214-PA1116110
=MAA卫生球阀(全包阀座)，CF8/304L,PTFE，PN10，卡箍，DN20，气动执行器，双作用，阳极氧化铝，活塞Ø83mm,NBR,齿轮，0°-90°
球阀

1 .字符 产品	2+3.字符 阀体/内件	4.字符 密封	5.字符 标准压力	6.字符 连接	7 + 8.字符 口径
MAA=卫生球阀 (全包阀座) MAM=卫生球阀 (半包阀座)	35=CF8/304L 46=CF8M/316L 33=CF8/304 44=CF8M/316	2=PTFE 3=M111 8=TFM1600	2=PN10 3=PN16	S=对焊 2=卡箍	13=1/2" 18=2" 14=3/4" 19=2-1/2" 15=1" 20=3" 16=1-1/4" 21=4" 17=1-1/2"

执行器

9.字符 产品	10+11.字符 功能	12.字符 材质	13 + 14.字符 规格	15.字符 密封	16.字符 结构	17.字符 行程
PA=气动执行器	1=双作用 2=单作用常闭 3=单作用常开	1=铝合金 2=不锈钢	13=Ø52 22=Ø190 14=Ø63 23=Ø210 15=Ø75 24=Ø240 16=Ø83 25=Ø270 17=Ø92 26=Ø300 18=Ø105 27=Ø350 19=Ø125 28=Ø400 20=Ø140 21=Ø160	1=NBR 2=HNBR 3=FKM	1=齿轮	0=0-90° 1=0-120° 2=0-135° 3=0-150° 4=0-180° 5=0-270°

Ordering example: e.g. MAA3522214-PA1116110

= MAA Sanitary ball valve(All-inclusive seat), CF8/304L ,PTFE,PN16 ,Clamp ,DN20,Pneumatic actuator PA,Double action,Anodising aluminum, Piston Ø83mm, NBR,Gear 0°-90°

Ball valve

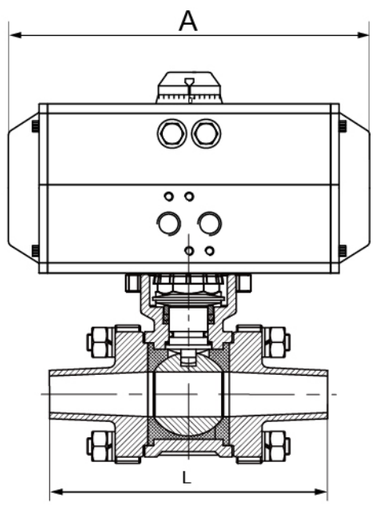
A. Type	B+C. Body/Internal	D. Seal	E. Pressure	F. Connection	G+H. Size
MAA=ISO5211 platform sanitary ball valve (All-inclusive seat) MAM=ISO5211 platform sanitary ball valve (Half pack seat)	35=CF8/304L 46=CF8M/316L 33=CF8/304 44=CF8M/316	2=PTFE 3=M111 8=TFM1600	2=PN10 3=PN16	S=Weld 2=Clamp	13=1/2" 18=2" 14=3/4" 19=2-1/2" 15=1" 20=3" 16=1-1/4" 21=4" 17=1-1/2"

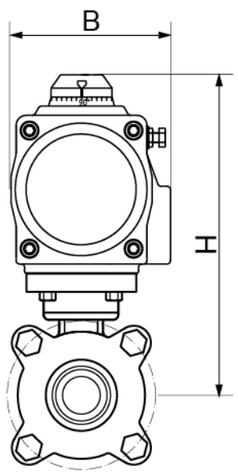
Actuator

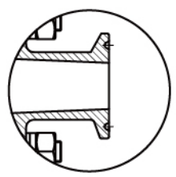
I. Product	J. Fail position	K. Material	L+M. Specifications	N. Seal	O. Structure	P. Trip
PA=Pneumatic actuator	1=Double action 2=Single action-close 3=Single action-open	1=Aluminum alloy 2=Stainless steel	13=Ø52 22=Ø190 14=Ø63 23=Ø210 15=Ø75 24=Ø240 16=Ø83 25=Ø270 17=Ø92 26=Ø300 18=Ø105 27=Ø350 19=Ø125 28=Ø400 20=Ø140 21=Ø160	1=NBR 2=HNBR 3=FKM	1=Gear	0=0-90° 1=0-120° 2=0-135° 3=0-150° 4=0-180° 5=0-270°

尺寸/Dimension

常温型
Normal temperature







Weld

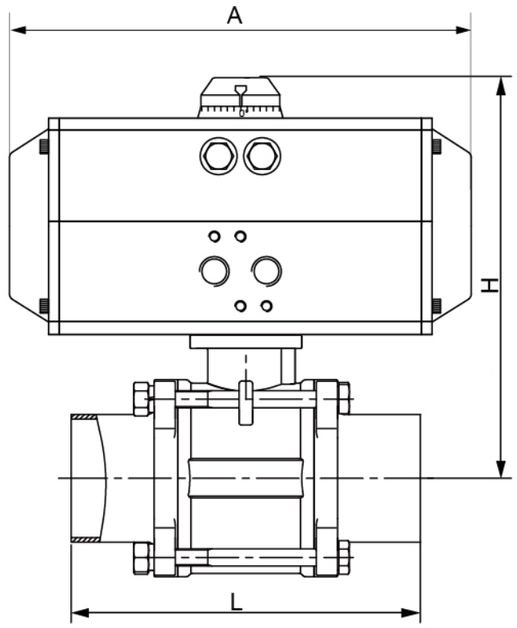
Clamp

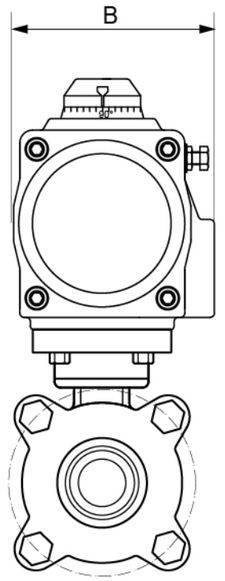
SIZE	DN	Actuator		A	B	H	L
		Model	Size				
3/4"	20	PA1113110	Ø52	147	72	144.3	103.5
		PA2113110	Ø52	147	72	144.3	
1"	25	PA1113110	Ø52	147	72	155.4	110
		PA2114110	Ø63	172	83	171.4	
1-1/4"	32	PA1114110	Ø63	172	83	176.4	120
		PA2115110	Ø75	184	95	188.4	
1-1/2"	40	PA1114110	Ø63	172	83	188.8	129
		PA2115110	Ø75	184	95	200.8	
2"	50	PA1115110	Ø75	184	95	207.8	145
		PA2116110	Ø83	204	103	216.8	

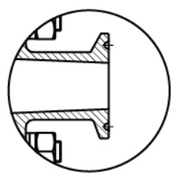
注：阀体详细数据请详见MAA手动卫生球阀。
以上为常规工况执行器配置尺寸，
如特殊工况的执行器配置详询埃克美迅技术部。

Note:Details please refer to MAA manual sanitary ball valve.
Above information is under normal working conditon,
Please consult the technical department in case of special working conditions

高温型
High temperature







Weld

Clamp

SIZE	DN	Actuator		A	B	H	L
		Model	Size				
3/4"	20	PA1113110	Ø52	147	72	132.5	89
		PA2113110	Ø52	147	72	132.5	
1"	25	PA1113110	Ø52	147	72	136	114
		PA2114110	Ø63	172	83	152	
1-1/4"	32	PA1114110	Ø63	172	83	157	117
		PA2115110	Ø75	184	95	179	
1-1/2"	40	PA1114110	Ø63	172	83	164	142
		PA2115110	Ø75	184	95	186	
2"	50	PA1115110	Ø75	184	95	194	156
		PA2116110	Ø83	204	103	203	

注：阀体详细数据请详见MAA手动卫生球阀。
以上为常规工况执行器配置尺寸，
如特殊工况的执行器配置详询埃克美迅技术部。

Note:Details please refer to MAA manual sanitary ball valve.
Above information is under normal working conditon,
Please consult the technical department in case of special working conditions

EICMATION®

规格

设计
阀体为分体结构，根据3A,DIN,ISO,SMS标准设计，材料符合FDA117.2600

操作
电动和手动操作

连接
焊接，卡箍

表面处理
内部：0.4-0.8μm
外部：0.8-1.6μm

压力范围
DN15-DN100:16bar

温度范围
常温型：
PTFE: -30°C - +120°C
高温型：
TFM1600：-30°C - +150°C
M111: -30°C - +180°C

材料
阀体: CF8
CF8M
球芯: 304、304L、316、316L

阀座密封: PTFE、TFM1600、M111
阀座类型：全包阀座，半包阀座

阀杆密封: PTFE、RPTFE
轴: 不锈钢

执行器
缸体：铝合金，其他请咨询
盖子：聚碳酸脂涂层

环境温度
-20°C - +60°C

可选电压
24V DC,24V AC,110V AC,220V AC,380V AC

防护
IP 67

标准设备
限位开关, 物理指示器, 手动控制

选项
除湿加热器
过力矩保护
调节型4-20mA
Exd IIB T4
更多要求请咨询

更多规范请根据球阀(MAA)和执行器(KL)数据表
以上信息仅供参考，埃克美迅公司保留修改的权利，恕不另行通知

Specification

DESIGN
The valve body has a split structure, according to 3A, DIN,ISO, SMS standard design, material meets FDA117.2600

OPERATION
Electric and Handle operation

CONNECTION
Weld, Clamp

SURFACE TREATMENT
Internal :0.4-0.8μm
External :0.8-1.6μm

PRESSURE RANGE
DN15-DN100:16bar

TEMPERATURE RANGE
Normal temperature:
PTFE: -30°C - +120°C
High temperature:
TFM1600：-30°C - +150°C
M111: -30°C - +180°C

MATERIALS
Body: CF8
CF8M
Ball 304、304L、316、316L

Seat seal: PTFE、TFM1600、M111

Seat type:: All-inclusive seat，Half pack seat

Stem seal: PTFE、RPTFE
Shaft: Stainless steel

ACTUATOR
Body: Aluminum alloy， Others on request
Cap: Polyurethane coating

EXTERNAL TEMPERATURE RANGE
-20°C - +60°C

OPTIONAL VOLTAGE
24V DC,24V AC,110V AC,220V AC,380V AC

PROTECTION
IP 67

STANDARD EQUIPMENT
additional limit switches, optical position indicator, manual override

OPTIONS
Dehumidification heater
Overtorque protection
Modulate type 4-20mA
Exd IIB T4
For more requests please contact us

For further specifications please refer to the ball valve (MAA) and actuator (KL) data sheet

The above information is for reference only and Eicmation reserves the right to alter without prior notice

型号：
MAA-KL/MAM-KL

电动卫生球阀
PN10PN16

CF8
CF8M



Type:
MAA-KL/MAM-KL

Electric Sanitary Ball Valve

PN10/PN16

CF8
CF8M

EICMATION®

举例说明： 比如 MAA3522214-KL411220
=MAA卫生球阀 (全包阀座)，CF8/304L，PTFE，PN10，卡箍，DN20，电动执行器,220VAC,50Nm,开关+干接点,非防爆球阀

1 .字符 产品	2+3.字符 阀体/内件	4.字符 密封	5.字符 压力标准	6.字符 连接	7 + 8.字符 口径
MAA=卫生球阀 (全包阀座) MAM=卫生球阀 (半包阀座)	35=CF8/304L 46=CF8M/316L 33=CF8/304 44=CF8M/316	2=PTFE 3=M111 8=TFM1600	2=PN10 3=PN16	1=焊接 2=卡箍	13=1/2" 18=2" 14=3/4" 19=2-1/2" 15=1" 20=3" 16=1-1/4" 21=4" 17=1-1/2"

执行器

9.字符 产品	10+11.字符 电压	12.字符 防爆等级	13+14.字符 扭矩（NM）	15.字符 附件	16.字符 备用
KL=基本型角行程 电动执行器	1=24V DC 2=24V AC 3=110V AC 4=220V AC 5=380V AC	1=无 2=Exd ⅡBT4 （50-600NM）	11=50 13=100 15=200 17=400 19=600 21=1000 23=2000	1=开关+干接点 2=调节型4~20mA	1=无 2=电位计1K~10K 3=电流位置传感器4~20mA 4=过载保护（200-2000NM） 8=除湿保护

Ordering example: e.g. MAA3522214-KL411220
= MAA Sanitary ball valve(All-inclusive seat), CF8/304L ,PTFE,PN16 ,Clamp ,DN20, Electric actuator,220VAC,50Nm,On/Off+dry contact , Non-explosion-proof
Ball valve

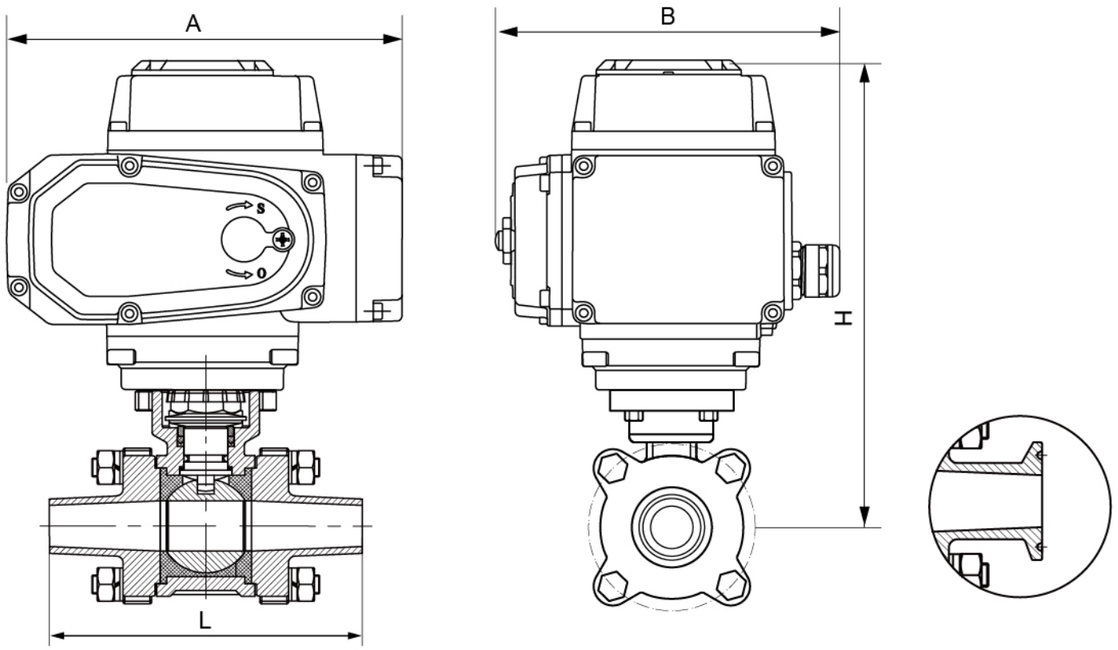
A. Type	B+C. Body/Internal	D. Sealing	E. Standard pressure	F. Connection	G+H. Size
MAA=ISO5211 platform sanitary ball valve (All-inclusive seat) MAM=ISO5211 platform sanitary ball valve (Half pack seat)	35=CF8/304L 46=CF8M/316L 33=CF8/304 44=CF8M/316	2=PTFE 3=M111 8=TFM1600	2=PN10 3=PN16	1=Weld 2=Clamp	13=1/2" 18=2" 14=3/4" 19=2-1/2" 15=1" 20=3" 16=1-1/4" 21=4" 17=1-1/2"

Actuator

I. Type	J. Voltage	K. Explosion proof grade	L+M. Torque(NM)	N. Extra	O. Spare
KL=Basic angle stroke Electric actuator	1=24V DC 2=24V AC 3=110V AC 4=220V AC 5=380V AC	1=None 2=Exd ⅡBT4 （50-600NM）	11=50 13=100 15=200 17=400 19=600 21=1000 23=2000	1=On/Off type +dry contact 2=Modulate type 4~20mA	1=No 2=1K~10K potentiometer 3=Current position sensor 4~20mA 4=Overload protection (200-2000NM) 8=Arefaction protect

尺寸/Dimension

常温型
Normal temperature



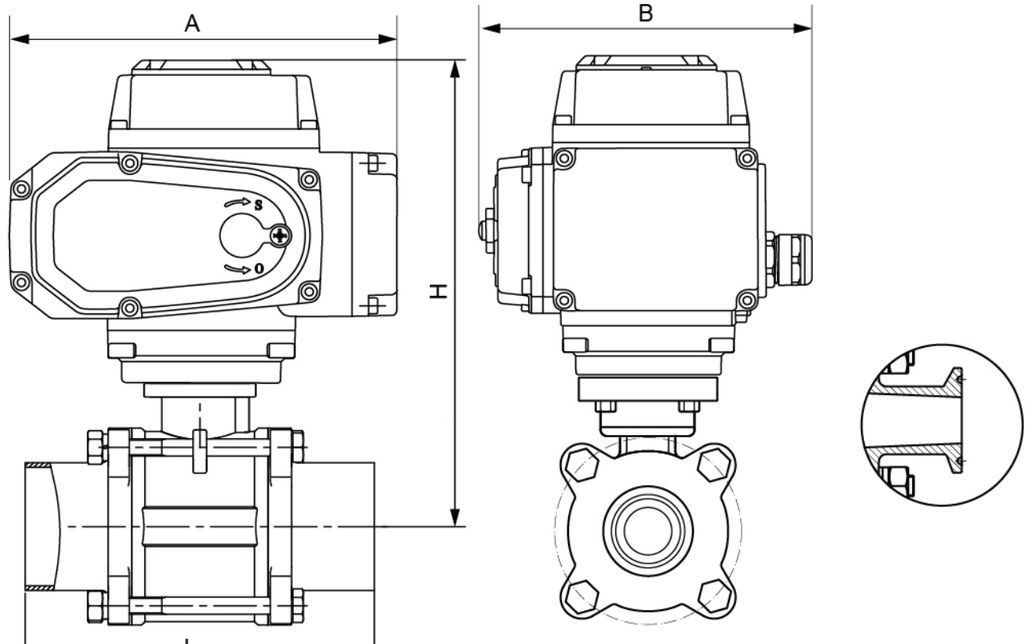
Weld　　Clamp

SIZE	DN	Actuator		A	B	H	L
		Model	Specification				
3/4"	20	KL111111	50NM	165	140.5	179.8	103.5
		KL121111	50NM	170.5	120.5	192.3	
1"	25	KL111111	50NM	165	140.5	190.9	110
		KL121111	50NM	170.5	120.5	203.4	
1-1/4"	32	KL111111	50NM	165	140.5	195.9	120
		KL121111	50NM	170.5	120.5	208.4	
1-1/2"	40	KL111111	50NM	165	140.5	208.3	129
		KL121111	50NM	170.5	120.5	220.8	
2"	50	KL111111	50NM	165	140.5	215.3	146
		KL121111	50NM	170.5	120.5	227.8	

注：阀体详细数据请详见MAA手动卫生球阀。
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高温型
High temperature



Weld　　Clamp

SIZE	DN	Actuator		A	B	H	L
		Model	Specification				
3/4"	20	KL111111	50NM	165	140.5	178	89
		KL121111	50NM	170.5	120.5	190.5	
1"	25	KL111111	50NM	165	140.5	181.5	114
		KL121111	50NM	170.5	120.5	194	
1-1/4"	32	KL111111	50NM	165	140.5	186.5	117
		KL121111	50NM	170.5	120.5	199	
1-1/2"	40	KL111111	50NM	165	140.5	193.5	142
		KL121111	50NM	170.5	120.5	206	
2"	50	KL111111	50NM	165	140.5	201.5	156
		KL121111	50NM	170.5	120.5	214	

注：阀体详细数据请详见MAA手动卫生球阀。
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Please consult the technical department in case of special working conditions