

Series MV-410 ASME CLASS 150

1 Piece Flanged Ball Valve

Size: 1/2"-6"

设计特性 DESIGN FEATURES

- ◆采用脱蜡精密铸造
- ◆防火结构设计
- ◆采用ISO 5211平台设计
- ◆阀杆与阀体之间带防静电装置
- ◆阀杆防爆出装置设计
- ◆钢球上有压力平衡孔
- ◆双蝶形单片设计能保证始终有预紧力压紧填料
- ◆阀杆密封结构设计取得德国TÜV TA-Luft密封测试认证

标准规范 APPLICABLE STANDARDS

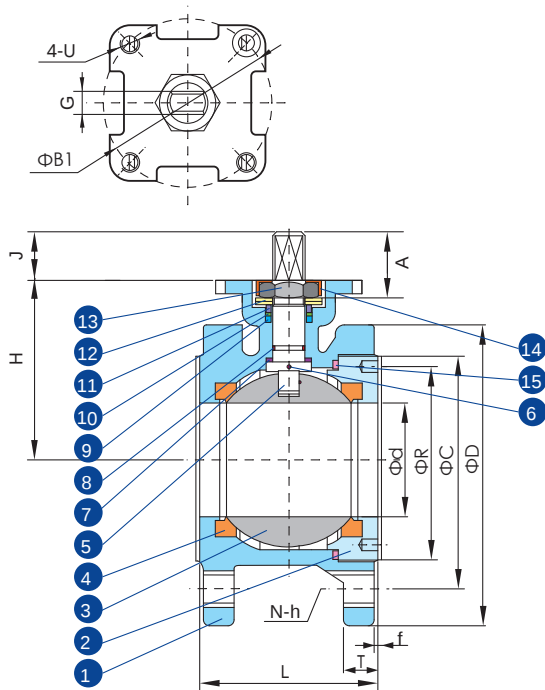
设计标准(Design): ASME B16.34, API 608

法兰接端(End Flange): ASME B16.5

壁厚(Wall Thickness): ASME B16.34

防火测试(Fire Safe): API 607 5th 2005, ISO 10497

检验与测试(Inspection & Testing): API 598, API 6D



序号/No.	零件名称/PART NAME	材质/MATERIALS		
1	阀体/Body	CF8M	CF8	WCB
2	阀盖/End Cap	CF8M	CF8	WCB
3	球体/Ball	CF8M	CF8	
4	阀座/Ball Seat	TFM1600/PTFE/RTFE		
5	阀杆/Stem	SUS316	SUS304	
6	防静电装置/Anti-Static	SUS316	SUS304	
7	止推垫圈/Stem Deal-Ring		PTFE	
8	O型密封圈/O-ring	FKM(VITON)		
9	阀杆填料/V-Ring Stem Packing	PTFE/ GRAFOIL*		
10	密封衬套/Bushing	50%SS+50%PTFE/SUS 304*		
11	格南/Gland	SUS 316		
12	碟型弹片/Belleville Washer	SUS 301		
13	阀杆螺母/Stem Nut	A194-8		
14	定位锁盖/Stop-lock-cap	SUS 304		
15	阀盖垫圈/Body Gasket	PTFE/316 SPIRALWOUND+GRAFOIL*		

*Fire safe

ASME CLASS 150

Size	Ød	L	ØR	ØD	ØC	T	f	H	N	h	G	A	J	U	ØB1	ISO5211	DA/SR	TE/TM
1/2"	15	42	35.0	89.0	60.5	9.7	2	41.0	4	1/2"	6.3	17.0	8.1	M5	42	F03-F04	52/52	50
3/4"	20	44	43.0	98.6	70.0	10.5	2	44.0	4	1/2"	6.3	17.0	8.1	M5	42	F03-F05	52/63	50
1"	25	50	50.8	108.0	79.3	11.2	2	46.5	4	1/2"	9.0	22.7	10.2	M6	50	F04-F05	52/63	50
1-1/4"	32	60	63.5	117.4	88.9	12.7	2	55.0	4	1/2"	9.0	24.0	11.0	M6	50	F04-F07	63/75	50
1-1/2"	38	65	73.5	127.0	98.6	14.3	2	64.0	4	1/2"	9.6	25.8	13.9	M8	70	F05-F07	63/85	50
2"	50	80	92.0	152.4	120.6	15.8	2	73.1	4	5/8"	9.6	23.9	13.9	M8	70	F05-F07	75/85	50
2-1/2"	63.5	110	105.0	177.8	139.7	17.5	2	88.0	4	5/8"	16.0	42.5	24.0	M10	102	F07-F10	85/100	100
3"	76	120	127.0	190.5	152.4	19.0	2	97.0	4	5/8"	16.0	42.6	22.5	M10	102	F07-F10	100/125	200
4"	100	150	157.3	228.6	190.5	23.9	2	117.0	8	5/8"	18.0	51.4	24.5	M10	102	F10	115/140	200
5"	125	195	186.0	254.0	215.9	25.2	2	155.0	8	3/4"	23.0	76.5	36.0	M12	125	F12	140/180	400
6"	150	225	215.9	279.4	241.3	25.4	2	194.0	8	3/4"	23.0	76.5	36.0	M12	125	F12	160/200	600

*410A-CLASS 150

Series MV-410 DIN PN10-40

1 Piece Flanged Ball Valve

Size: DN15-150

设计特性 DESIGN FEATURES

- ◆采用脱蜡精密铸造
- ◆防火结构设计
- ◆采用ISO 5211直接安装执行器的平台设计
- ◆阀杆与阀体之间带防静电装置
- ◆阀杆防爆出装置设计
- ◆钢球上有压力平衡孔
- ◆双蝶形单片设计能保证始终有预紧力压紧填料
- ◆阀杆密封结构设计取得德国TÜV TA-Luft密封测试认证
- ◆铸件通过TUV AD2000 - Merkblatt W0认证

标准规范 APPLICABLE STANDARDS

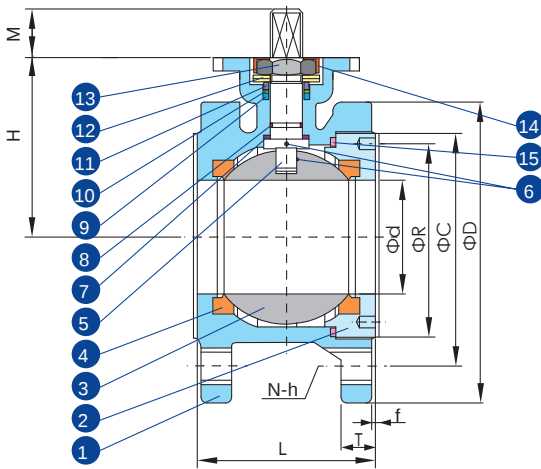
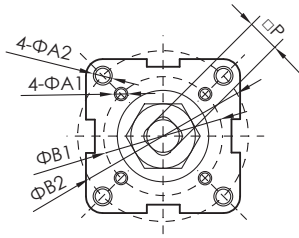
设计标准(Design): DIN 3375/1,2, EN12516-1

法兰接端(End Flange): DIN 2501 PN10-40

壁厚(Wall Thickness): EN12516-1

防火测试(Fire Safe): API 607 5th 2005, ISO 10497

检验与测试(Inspection & Testing): DIN 3230/3, EN12266



序号/No.	零件名称/PART NAME	材质/MATERIALS		
1	阀体/Body	1.4408	1.4308	1.0619
2	阀盖/End Cap	1.4408	1.4308	1.0619
3	球体/Ball	1.4408	1.4308	
4	阀座/Ball Seat	TFM1600/PTFE/RTFE		
5	阀杆/Stem	SUS316	SUS304	
6	防静电装置/Anti-Static	SUS316	SUS304	
7	止推垫圈/Stem Deal-Ring	PTFE		
8	O型密封圈/O-ring	FKM(VITON)		
9	阀杆填料/V-Ring Stem Packing	PTFE/GRAFOIL*		
10	密封衬套/Bushing	50%SS+50%PTFE/SUS 304*		
11	格南/Gland	SUS 316		
12	碟型弹片/Belleville Washer	SUS 301		
13	阀杆螺母/Stem Nut	A194-8		
14	定位锁盖/Stop-lock-cap	SUS 304		
15	阀盖垫圈/Body Gasket	PTFE/316 SPIRALWOUND+GRAFOIL*		

*Fire safe

DIN PN10-40

Size	PN	Ød	ØR	ØC	ØD	f	T	L	H	M	P	N	Øh	A1	A2	B1	B2	ISO5211	DA/SR	TE/TM
DN15 1/2"	10	15	45	65	95	2	9	42	46	9	9	4	M12	6	6	36	42	F03-F04	52/52	50
DN20 3/4"		20	58	75	105	2	9	44	51	9	9	4	M12	6	6	36	42	F03-F04	52/63	50
DN25 1"		25	68	85	115	2	9	50	62	11	11	4	M12	6	7	42	50	F04-F05	52/63	50
DN32 1-1/4"		32	78	100	140	2	12	60	72	11	11	4	M16	6	7	42	50	F04-F05	63/75	50
DN40 1-1/2"	40	38	88	110	150	3	13	65	78	14	14	4	M16	7	9	50	70	F05-F07	63/85	50
DN50 2"		50	102	125	165	3	20	80	86	14	14	4	M16	7	9	50	70	F05-F07	75/85	50
DN65 2-1/2"	10/16 25/40	63.5	122	145	185	3	18 22	110 113	108	17	17	4 8	M16	9	11	70	102	F07-F10	85/100	100
DN80 3"	10/16 25/40	76	138	160	200	3	20 24	120	116	17	17	8	M16	9	11	70	102	F07-F10	100/125	200
DN100 4"	10/16 25/40	95	158 162	180 190	220 235	3	20 24	150 154	139	22	22	8	M16 M20	N/A	11	N/A	102	F10	115/140	200
DN125 5"	10/16 25/40	118	188	210 220	250 270	3	22 26	180	176	27	27	8	M16 M24	N/A	14	N/A	125	F12	140/180	400
DN150 6"	10/16 25/40	142	212 218	240 250	285 300	3	22 28	225	192	27	27	8	M20 M24	N/A	14	N/A	125	F12	160/200	600

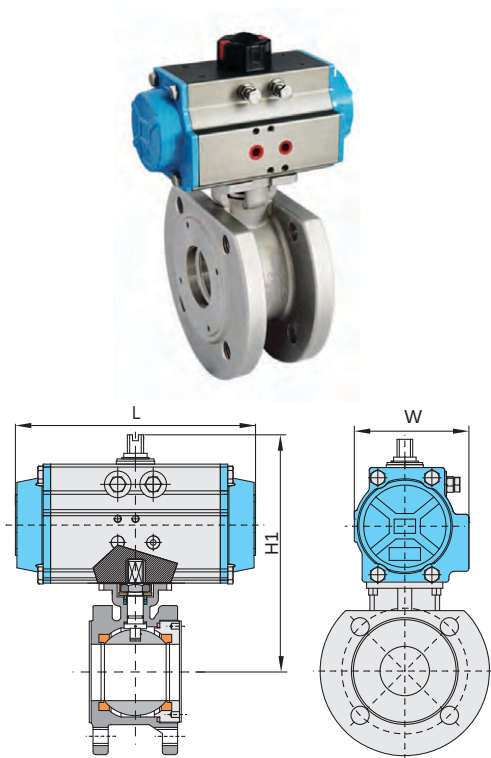
*410C-PN10 410D-PN16 410E-PN25 410F-PN40

Valve With Pneumatic Actuator/气动球阀

..... 双动 (DA) 和单动 (SR) 气控执行器特性：

Double and single acting pneumatic actuator features :

- ◆ 供气5.5bar，最高8bar。(经过滤的压缩空气)
Air supply: 5.5 bar; maximum 8.4 bar. r(with compressed filtered air)
- ◆ 温度 -20°C to +80°C; (+150°C 可特殊定制)
Temperature: from -20°C to +80°C; (+150°C in special execution)
- ◆ 齿轮齿条式设计 Rack and pinion design
- ◆ 旋转角度 90°±5°，±5° 微调
Rotation agnle 90°±5°， adjusting stroke ±5°
- ◆ 连接附件符合NAMUR标准 NAMUR connection for accessories
- ◆ 可视位置指示 Visual indicator



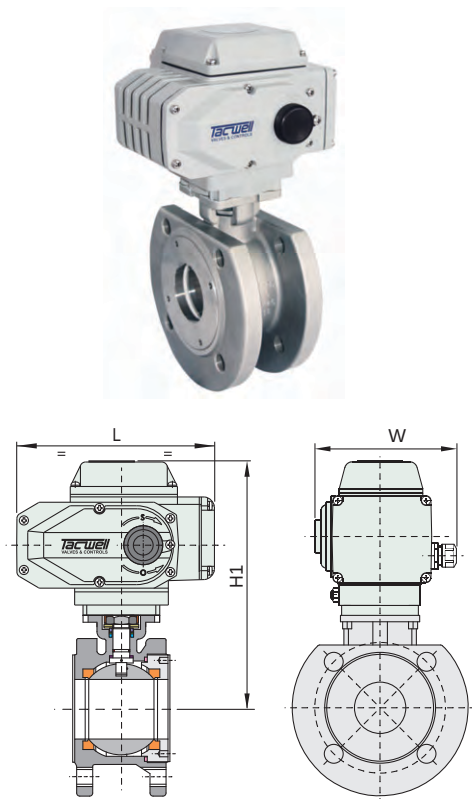
Size	DOUBLE ACTUATOR				SPRING RETURN ACTUATOR			
	DA	H1	L	W	SR	H1	L	W
DN15	52	135.5	139.5	71.0	52	135.5	140	71
DN20	52	140.5	139.5	71.0	63	152.0	162	71
DN25	52	151.5	139.5	71.0	63	163.0	162	80.5
DN32	63	173.0	162	80.5	75	189.0	207	80.5
DN40	63	179.0	162	80.5	85	207.0	238	94.5
DN50	75	203.0	207	94.5	85	215.0	238	94.5
DN65	85	237.0	237.5	106	100	250.0	272	106
DN80	100	258.0	271.5	123	125	300.0	366	123
DN100	115	311.0	328	137	140	345.0	428	148
DN125	140	382.0	428	164	180	428.0	482	187
DN150	160	414.0	430	187	200	466.0	532	187

Valve With Electric Actuator/电动球阀

..... 电动执行器特性

ELECTRIC ACTUATORS FEATURES

- ◆ TE系列开关型电动执行器 TE Series, ON-OFF rotative type
- ◆ TM系列调节型电动执行器 TM Series, Rotative modular type
- ◆ 开关位置限位开关(2*SPDT) OPEN-CLOSE Limit switches(2*SPDT)
- ◆ 输入/输出信号: 4-20 mA (0-5Vdc) Input/Output signal: 4-20 mA (0-5Vdc)
- ◆ 电压: 110VAC, 220VAC, 380VAC, 24VAC, 24VDC Voltage: 110VAC, 220VAC, 380VAC, 24VAC, 24VDC
- ◆ 防护等级: IP67(符合NEMA4.4X) Portection according to NEMA 4,4X rules(IP67)
- ◆ 电机带过热保护 Auto-reset thermostatic protection in the motor
- ◆ 带手动操作 Manual override
- ◆ 带位置指示 Visual indicator



Size	WITH ON-OFF ELECTRIC ACTUATOR				WITH ROTARY MODULATING ELECTRIC ACTUATOR			
	TE	H1	L	W	TM	H1	L	W
DN15	50	171	160	137	50	171	160	137
DN20	50	176	160	137	50	176	160	137
DN25	50	187	160	137	50	187	160	137
DN32	50	197	160	137	50	197	160	137
DN40	50	203	160	137	50	203	160	137
DN50	50	211	160	137	50	211	160	137
DN65	100	266	196	145	100	266	196	145
DN80	200	274	255	182	200	274	255	182
DN100	200	335	255	182	200	335	255	182
DN125	400	372	255	182	400	372	255	182
DN150	600	388	255	182	600	388	255	182