

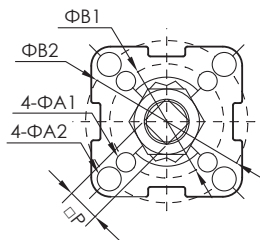
Series MV-453/454 ASME CLASS 150/300

3 Way Flanged Ball Valve

Size: 1/2"-4"

设计特性 DESIGN FEATURES

- ◆采用脱蜡精密铸造
- ◆采用ISO 5211直接安装执行器平台设计
- ◆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
- ◆阀杆密封结构设计取得德国TÜV TA-Luft密封测试认证
- ◆每90°可转动，每90°可锁紧定位
- ◆**MV-453**: L型流道口
- ◆**MV-454**: T型流道口



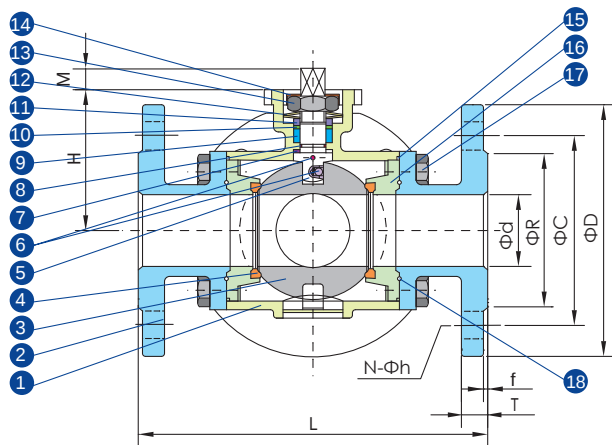
标准规范 APPLICABLE STANDARDS

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

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		
5	阀杆/Stem	SUS 316	SUS304	
6	防静电装置/Anti-Static	SUS 316	SUS304	
7	止推垫圈/Stem Deal-Ring	PTFE		
8	O型密封圈/O-ring	FKM(VITON)		
9	V型阀杆填料/V-Ring Stem Packing	PTFE		
10	密封衬套/Bushing	50%SS+50%PTFE		
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	TFM 1600		
16	阀座定位块/Seat positioning block	CF8M	CF8	WCB
17	螺栓/Bolting	A193-B8		
18	阀盖垫圈/Body Gasket	PTFE		

ASME CLASS 150

Size	Ød	L	ØR	ØD	ØC	f	T	H	N	Øh	M	P	A1	A2	B1	B2	ISO5211	DA/SR	TE/TM
1/2"	15	150	35.0	89.0	60.5	2	9.7	53	4	16	9	9	6	6	36	42	F03-F04	52/52	50
3/4"	20	165	43.0	98.6	70.0	2	10.5	58.5	4	16	9	9	6	7	36	50	F03-F05	52/63	50
1"	25	181	51.0	108.0	79.2	2	11.2	70	4	16	11	11	6	7	42	50	F04-F05	63/75	50
1-1/4"	32	190	63.5	117.0	88.9	2	12.7	77.5	4	16	11	11	6	9	42	70	F04-F07	63/75	50
1-1/2"	38	212	73.2	127.0	98.6	2	14.2	86.5	4	16	14	14	7	9	50	70	F05-F07	75/85	50
2"	49	229	92.0	152.2	120.7	2	15.9	92	4	19	14	14	7	9	50	70	F05-F07	75/85	50
2-1/2"	63	290	104.7	177.8	139.7	2	17.5	107	4	19	17	17	9	11	70	102	F07-F10	85/100	100
3"	75	310	127.0	190.5	152.4	2	19.1	119	4	19	17	17	9	11	70	102	F07-F10	100/125	100
4"	99	367	157.2	228.6	190.5	2	23.9	150	8	19	22	22	N/A	11	N/A	102	F10	125/160	200

ASME CLASS 300

Size	Ød	L	ØR	ØD	ØC	f	T	H	N	Øh	M	P	A1	A2	B1	B2	ISO5211	DA/SR	TE/TM
1/2"	15	150	35.0	95.3	66.5	2	14.3	53.0	4	16	9	9	6	6	36	42	F04	52/52	50
3/4"	20	165	43.0	117.4	82.6	2	15.9	58.5	4	19	9	9	6	7	36	42	F05	52/63	50
1"	25	180	51.0	124.0	88.9	2	17.5	70.0	4	19	11	11	6	7	42	50	F05	63/75	50
1-1/4"	32	207	63.5	133.4	98.6	2	19.1	77.5	4	19	11	11	6	9	42	70	F07	63/75	50
1-1/2"	38	234	73.2	155.5	114.3	2	20.7	86.5	4	22.3	14	14	7	9	50	70	F07	75/85	50
2"	49	258	92.0	165.1	127.0	2	22.3	92.0	8	19	14	14	7	9	50	70	F07	75/85	50
2-1/2"	63	316	104.7	190.5	149.4	2	25.4	107.0	8	22.3	17	17	9	11	70	102	F10	85/100	100
3"	75	350	127.0	209.6	168.1	2	28.6	119.0	8	22.3	17	17	9	11	70	102	F10	100/125	100
4"	99	398	157.2	254.0	200.2	2	31.8	150.0	8	22.3	22	22	N/A	11	N/A	102	F10	125/160	200

*453A-CLASS 150 453B-CLASS 300 454A-CLASS 150 454B-CLASS 300

Series MV-453/454 DIN PN10-40

3 Way Flanged Ball Valve

Size: DN15-100

设计特性 DESIGN FEATURES

- ◆采用脱蜡精密铸造
- ◆采用ISO 5211直接安装执行器平台设计
- ◆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
- ◆阀杆密封结构设计取得德国TÜV TA-Luft密封测试认证
- ◆每90°可转动，每90°可锁紧定位
- ◆**MV-453**: L型流道口
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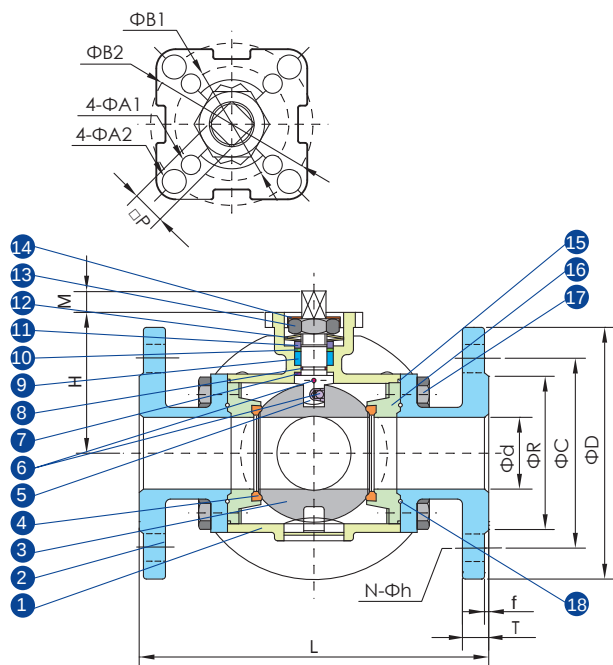
标准规范 APPLICABLE STANDARDS

设计标准(Design): DIN 3357/1,2,EN 12514-1

法兰接端(End Flange): DIN 2501 PN10-40

壁厚(Wall Thickness): ASME B16.34

检验与测试(Inspection & Testing): DIN 3230/3 EN 12266



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		
5	阀杆/Stem	SUS 316	SUS304	
6	防静电装置/Anti-Static	SUS 316	SUS304	
7	止推垫圈/Stem Deal-Ring	PTFE		
8	O型密封圈/O-ring	FKM(VITON)		
9	V型阀杆填料/V-Ring Stem Packing	PTFE		
10	密封衬套/Bushing	50%SS+50%PTFE		
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	TFM 1600		
16	阀座定位块/Seat positioning block	1.4408	1.4308	1.0619
17	螺栓/Bolting	A193-B8		
18	阀盖垫圈/Body Gasket	PTFE		

DIN PN10/16/25/40

Size	PN	Ød	L	ØR	ØD	ØC	f	T	H	N	Øh	M	P	A1	A2	B1	B2	ISO5211	DA/SR	TE/TM
DN15 1/2"	10	15	150	45	95	65	2	16	53	4	14	9	9	6	6	36	42	F03-F04	52/52	50
DN20 3/4"	10	20	165	58	105	75	2	18	58.5	4	14	9	9	6	7	36	50	F03-F05	52/63	50
DN25 1"	16	25	181	68	115	85	2	18	70	4	14	11	11	6	7	42	50	F04-F05	63/75	50
DN32 1-1/4"	25	32	190	78	140	100	2	18	77.5	4	18	11	11	6	9	42	70	F04-F07	63/75	50
DN40 1-1/2"	40	38	212	88	150	110	3	18	86.5	4	18	14	14	7	9	50	70	F05-F07	75/85	50
DN50 2"		49	230	102	165	125	3	20	92	4	18	14	14	7	9	50	70	F05-F07	75/100	100
DN65 2-1/2"	10/16 25/40	63	290	122	185	145	3	18 22	107	4 8	18	17	17	9	11	70	102	F07-F10	85/115	100
DN80 3"	10/16 25/40	75	310 320	138	200	160	3	20 24	119	8	18	17	17	9	11	70	102	F07-F10	100/125	200
DN100 4"	10/16 25/40	99	350 370	158 162	220 235	180 190	3	20 24	150	8	18	22	22	N/A	11	N/A	102	F10	115/140	400

*453D-PN16 453F-PN40 454D-PN16 453F-PN40

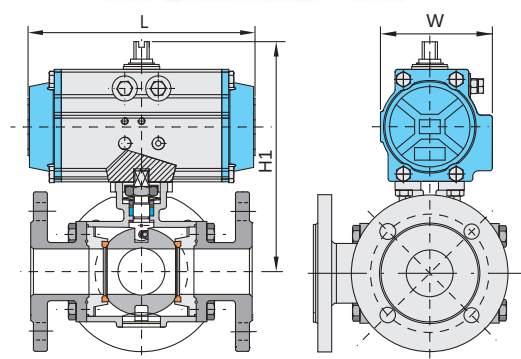
Valve With Pneumatic Actuator/气动球阀



..... 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



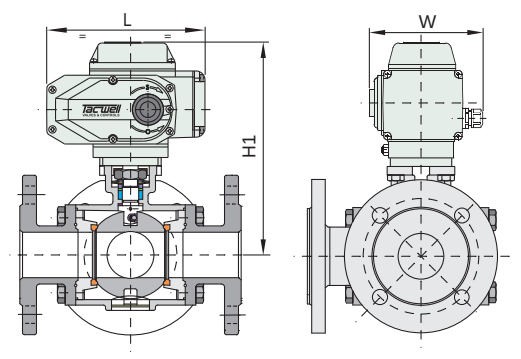
Size		DOUBLE ACTUATOR				SPRING RETURN ACTUATOR			
		DA	H1	L	W	SR	H1	L	W
DN15	1/2"	52	143	139.5	71	52	143	139.5	71
DN20	3/4"	52	148	139.5	71	63	159	162	80.5
DN25	1"	63	171	162	80.5	75	187	207	94.5
DN32	1-1/4"	63	179	162	80.5	75	195	207	94.5
DN40	1-1/2"	75	204	207	94.5	85	216	237.5	106.0
DN50	2"	75	209	207	94.5	100	234	271.5	123.0
DN65	2-1/2"	85	236	237.5	106	115	279	328	137
DN80	3"	100	261	271.5	123	125	303	366	148
DN100	4"	115	322	328	137	140	356	428	164

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	178	160.0	137	50	178	160.0	137
DN20	50	183	160.0	137	50	183	160.0	137
DN25	50	195	160.0	137	50	195	160.0	137
DN32	50	203	160.0	137	50	203	160.0	137
DN40	50	212	160.0	137	50	212	160.0	137
DN50	100	250	196.0	145	100	250	196.0	145
DN65	100	265	196	145	100	265	196	145
DN80	200	315	255	182	200	315	255	182
DN100	400	346	255	182	400	346	255	182