

SPECIFICATION DATA

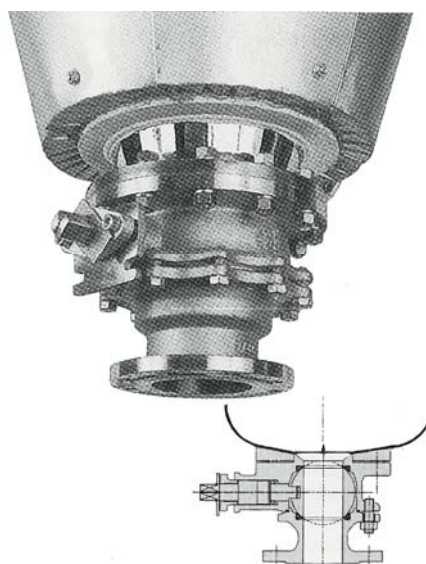


SD-YD200T-A-2003-04

YD200T SERIES

高性能TANK球阀

HIGH PERFORMANCE TANK BALL VALVES



无锡市亚迪流体控制技术有限公司
WUXI YADI FLUID CONTROL TECHNOLOGY Co.,LTD.



前言

YD200T 系列高性能 TANK 球阀比传统的角形釜底阀更具有操作简单、结构精巧等设计特性：

- **无淤塞设计**
液体在釜底无淤塞,流体能被均匀混合。
- **全腔型**
由于此阀为全腔型阀门,流体可被快速排放,通过转动 90° 阀门能被容易地切断。
- **设计紧凑**
阀门由于设计紧凑,故能容易地安装在狭小的釜底,从而确保宽阔的工作空间。
- **双重密封填料**
双重密封填料确保无泄漏完全符合空气洁净法。
- **泄漏等级**
标准泄漏量为零。
- **维修**
只需更换密封环,维修成本低。

Foreword

YD200T Series high performance tank ball valve has the features of conventional angle globe type flush valve and more convenient and compact design:

Not Stagnate Designed

Liquid does not stagnate on the tank bottom, and fluid can be mixed uniformly.

Full Bore Type

As the valve is full bore type, fluid is discharged rapidly. The valve can be easily shut off and opened by turning through 90° .

Compact Design

The valve has so compact design that it can be easily installed on the narrow tank bottom, thereby ensuring wider working space. .

Double Seal Packing

Double seal packing is able to assure Zero leakage and compliance with the Clean Air Act.

Leakage Class

Leakage is zero.

Maintenance

It need to change seal ring only , maintenance cost is very lower.

产品设计标准 Protuct Design Standards

阀门设计符合下列标准 Valves are designed to comply with accepted these standards

ANSI	美国国家标准
API	美国石油协会标准
MSS	美国管道阀门制造协会标准
ASTM	美国材料协会标准
DIN	德国国家标准
JIS	日本国家标准
ISO	国际标准
IEC	国际电工协会标准
GB	国家标准
JB	机械工业部标准
HG	石油工业标准

基本技术参数

Basic Technology Data

本体部

Body

形 式	TANK 球阀	Type	TANK Ball
公称 口径	DN25-DN150	Valve Size	DN25-DN150
公称 压力	ANSI 150 # ; PN1.6 JIS 10K*1 参见表 1	Body Ratings	ANSI 150 # ; PN1.6 JIS 10K*1 参见表 1
阀体及阀盖 材 质	铸钢 ASTM 216—WCB 高温铸钢 ASTM 217—WC6 304 型不锈钢 ASTM 351—CF8 316 型不锈钢 ASTM 351—CF8M 其他可选 MONEL, 哈氏合金等	Body and Bonnet Materials	Carbon steel ASTM 216—WCB Chrome-moly steel ASTM 217—WC6 304 St. St. ASTM 351—CF8 316 St. St. ASTM 351—CF8M Other Optional MONEL, H.B, HC
阀芯 形式	BALL ON-OFF 型	Plug Type	BALL ON-OFF type
阀座 形式	浮动型	Seat Ring Type	Floating type
阀盖 形式	STD 型 : -10~+240℃	Bonnet Type	STD type : -10~+240℃
填 料	聚四氟乙烯填料	Packing	PTFE
垫 圈	PTFE	Gasket	PTFE
流量 特性	开关	Characteristic	ON-OFF
涂 层	蓝色 但不锈钢阀体不涂层	Painting color	blue But St.St. Body is not painted.

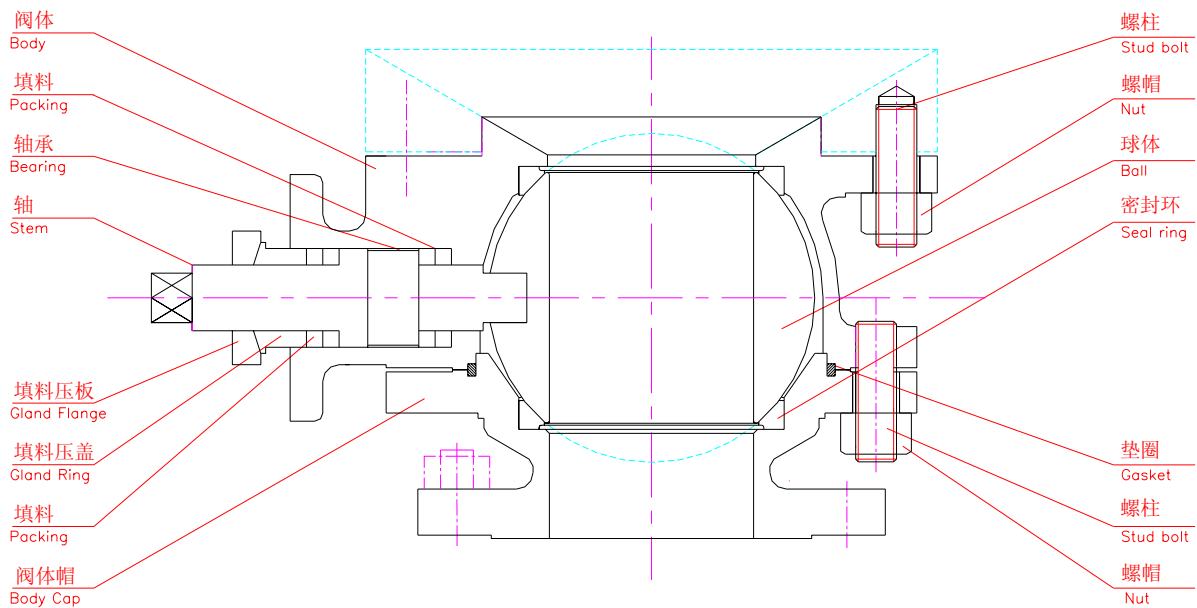
执行机构 Actuator

类型 Type	气动活塞式 Pneumatic piston type	电动式 Electric type
型号 Code	PORA	EOLA
用途 Purpse	开关 ON-OFF	开关 ON-OFF
电气源 Air or power supply	400 KPa G 500 KPa G Air supply	220V 50Hz 380V 50Hz Power supply
接口 Connection	Rc1/4 , Rc3/8 , Rc1/2	2-G1/2
作用方式 Action	单作用(正/反) Spring return(D/R) 双作用 Double	阀开、阀关、停止 Valve open, close, stop
使用环境温度 Ambient Temp.	-30~+80℃	-20~+80℃

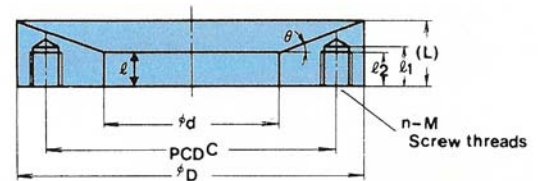
附件 Accessories

名称 Name	制造商 Manufacturer	型号 Model No.	备注 Remarks
电磁阀 Solenoid Valve	ASCO	8320 8344Series	
	CKD	AG41 4F310 Series	
	KANEKO	MOOU Series	
限位开关 Limit S/W	HONEYWELL	1LX5001	SPDT
	WESTLOCK	Accutrak linear	Valve Position Monitors
	Bellofram	APL310N	Weatherproof Type
	Bellofram	APL410N	Explosion proof Type
过滤减压阀 Air Set	SMC	AW Series	
	CHUNXING		

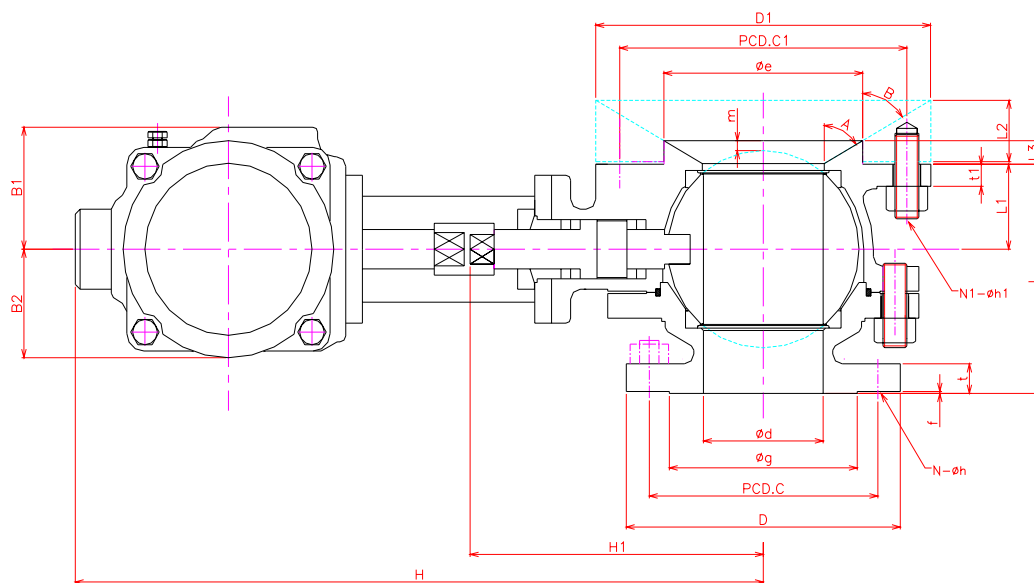
阀本体结构图 Body Construction

TANK PAD
& GASKET

OPTIONAL PARTS



VALVE SIZE	D	d	C	(L)	ℓ	ℓ_1	ℓ_2	n	M	θ	GASKET	STUD BOLT & NUT	
												Stainless steel body	Cast iron body
1 ^B 25A	140	48.2	105	33.5	7	14	17	4	M12	30°	t2× ϕ 89× ϕ 49	M12×45 ℓ ×14 ^S / 20 ^S	M12×48 ℓ ×14 ^S / 20 ^S
1½ ^B 40A	155	60.2	120	38.3	11	17	20	4	M14	30°	t2× ϕ 104× ϕ 61	M14×50 ℓ ×17 ^S / 20 ^S	M14×53 ℓ ×17 ^S / 20 ^S
2 ^B 50A	175	76.2	140	38.3	10	17	19.5	4	M16	30°	t2× ϕ 122× ϕ 77	M16×55 ℓ ×17 ^S / 22 ^S	M16×57 ℓ ×17 ^S / 22 ^S
2½ ^B 60A	210	114.2	175	39.6	12	17	20	6	M14	30°	t2× ϕ 159× ϕ 115	M14×53 ℓ ×17 ^S / 20 ^S	M14×57 ℓ ×17 ^S / 20 ^S
3 ^B 80A	250	140.2	210	41.6	10	18	20.5	6	M18	30°	t2× ϕ 188× ϕ 141	M18×59 ℓ ×18 ^S / 28 ^S	M18×65 ℓ ×18 ^S / 28 ^S



DEMSIMENS

VALVE SIZE	YD200T															FLANGE								ACTUATOR				
	d	L	L1	L2	L3	D1	e	C1	N1	h1	t1	m	A	B	D	g	C	n	h	t	f	STAND	B1	B2	H1	H	TYPE	
25A	25	109	33	33.5	9	140	48	105	4	15	15	20.5	30°	60°	125	67	90	4	19	14	1	JIS 10K	47	36	115	335	P1RAWN	
															108	51	79.2	4	16	11.5	1.6	CL150#						
															115	65	85	4	14	18	2	PN1.6						
40A	40	125	35	38.3	13	155	60	120	4	17	15	16	30°	60°	140	81	105	4	19	16	1	JIS 10K	52	43	148	370	P2RAWN	
															127	73	98.6	4	16	14.5	1.6	CL150#						
															150	85	110	4	18	20	3	PN1.6						
50A	50	133	40	38.5	12	175	76	140	4	19	18	10	30°	60°	155	96	120	4	19	16	2	JIS 10K	67	56	160	390	P3RAWN	
															152	92	120.7	4	19	16.0	1.6	CL150#						
															165	100	125	4	18	22	3	PN1.6						
65A	65	153	51	39.6	14	210	114	175	6	17	18	12.5	60°	60°	175	116	140	4	19	18	2	JIS 10K	82	70	184	450	P4RAWN	
															178	105	139.7	4	16	17.5	1.6	CL150#						
															185	120	145	4	18	24	3	PN1.6						
80A	80	174	63	41.6	12	250	140	210	6	21	18	12.5	60°	60°	185	126	150	8	19	18	2	JIS 10K	82	70	213	479	P4RAWN	
															191	127	152.4	4	19	19.5	1.6	CL150#						
															200	135	160	8	18	24	3	PN1.6						
100A	100	186	69	49.8	19	280	166	240	6	23	18	8	60°	60°	210	151	175	8	19	18	2	JIS 10K	99	88	245	575	P5RAWN	
															229	157	190.5	8	19	24	1.6	CL150#						
															220	155	180	8	18	26	3	PN1.6						
125A	125	245	85	43.5	25	330	217	290	8	23	21	8	70°	70°	250	182	210	8	23	20	2	JIS 10K	99	88	344	674	P5RAWN	
															254	185.7	215.9	8	23	24	1.6	CL150#						
															250	185	210	8	18	28	3	PN1.6						
150A	150	302	105	46.8	25	400	269	355	10	23	26	8	70°	70°	280	212	240	8	23	22	2	JIS 10K	112	110	364	694	P5RAWN	
															279	215.9	241.3	8	23	25.5	1.6	CL150#						
															285	210	28	8	23	28	3	PN1.6						



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