

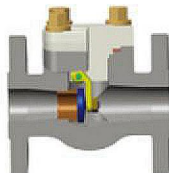
FORGED STEEL FLANGED SWING CHECK VALVE – Bolted Cover

锻钢法兰连接旋启式止回阀 – 螺栓固定盖

材料标准 STANDARD MATERIALS

零件名称 PART NAMES	材料 MATERIALS
阀体 BODY	注释 NOTE①
阀盖 BONNET	注释 NOTE①
阀座 SEAT	ASTM A276 410+HF
阀瓣 DISC	ASTM A276 420
垫片 GASKET	304+GRAPHITE
螺栓 COVER BOLT	ASTM A193 B7
摇臂 ROCKER	ASTM A351 CF8

注释NOTE: ① A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconel; Monel; Hastelloy, etc.



压力试验 (A105) PRESSURE TEST (A105)				
等级 CLASS	壳体 SHELL (psig)	上密封 BACKSEAT (psig)	阀座 SEAT (psig)	
	水 WATER	水 WATER	空气 AIR	水 WATER
150LB	450	-	-	325
300LB	1125	-	-	825
600LB	2225	-	-	1650
800LB	2975	-	-	2175
900LB	3350	-	-	2450
1500LB	5575	-	-	4100

技术参数 SPECIFICATIONS

- 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.5
- 阀门尺寸 Valve Size: 1/2"–4" (3) 应用等级 Applicable Rating: Class 150LB – 1500LB
- 温度等级 Temperature Rating: Up to 500°C
- 结构特征 Structure Features:
 - ★ 连接端类型 End Connection: 法兰连接端 Flanged Type
 - ★ 螺栓固定盖 Bolted Cover
 - ★ 缩径 Reduce Bore

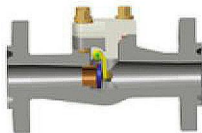
FORGED STEEL FLANGED SWING CHECK VALVE – Bolted Cover

锻钢法兰连接旋启式止回阀 – 螺栓固定盖

材料标准 STANDARD MATERIALS

零件名称 PART NAMES	材料 MATERIALS
阀体 BODY	注释 NOTE①
阀盖 BONNET	注释 NOTE①
阀座 SEAT	ASTM A276 410+HF
阀瓣 DISC	ASTM A276 420
垫片 GASKET	304+GRAPHITE
螺栓 COVER BOLT	ASTM A193 B7
摇臂 ROCKER	ASTM A351 CF8

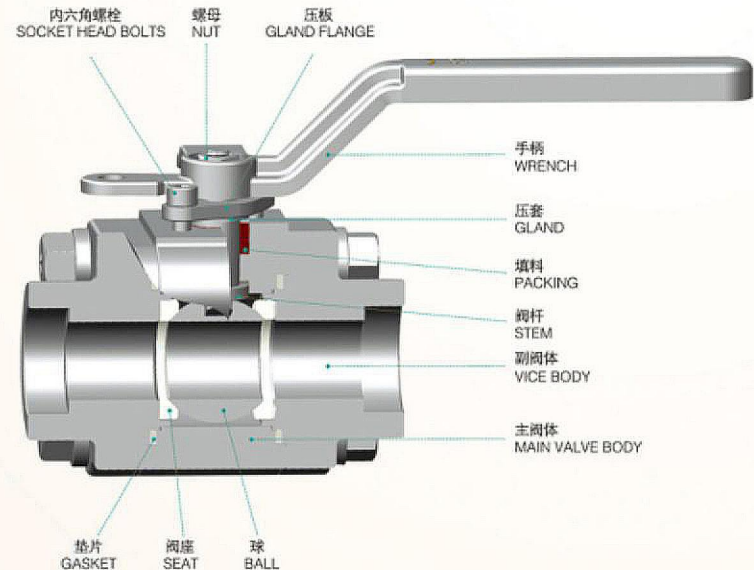
注释NOTE: ① A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconel; Monel; Hastelloy, etc.



压力试验 (A105) PRESSURE TEST (A105)				
等级 CLASS	壳体 SHELL (psig)	上密封 BACKSEAT (psig)	阀座 SEAT (psig)	
	水 WATER	水 WATER	空气 AIR	水 WATER
150LB	450	-	-	325
300LB	1125	-	-	825
600LB	2225	-	-	1650
800LB	2975	-	-	2175
900LB	3350	-	-	2450
1500LB	5575	-	-	4100

技术参数 SPECIFICATIONS

- 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.5
- 阀门尺寸 Valve Size: 1/2"–4" (3) 应用等级 Applicable Rating: Class 150LB – 1500LB
- 温度等级 Temperature Rating: Up to 500°C
- 结构特征 Structure Features:
 - ★ 连接端类型 End Connection: 法兰连接端 Flanged Type
 - ★ 螺栓固定盖 Bolted Cover
 - ★ 缩径 Reduce Bore



德沃斯锻钢球阀有两种设计形式：

- 二片式设计，其中部螺纹连接，以RPTFE或PEEK密封；
- 三片式设计，中部用螺栓连接。根据所选的阀座与垫片和填料的材料不同，适应不同的工作温度和介质。

Dervos forged steel ball valve is available in two different kinds of structure:

- 2 Piece structure: Threaded bonnet, RPTFE or PEEK sealed;
- 3 Piece structure: Bolted bonnet, different kinds of material for seats, gaskets and packing can be chosen according to different using conditions.

FORGED STEEL SIDE ENTRY BALL VALVE – Free Floating Ball (3 Piece)
锻钢侧入口球阀 – 三片式自由浮动式



材料标准 STANDARD MATERIALS

零件名称 PART NAMES	材料 MATERIALS
阀体 BODY	注释 NOTE①
阀盖 BONNET	注释 NOTE①
阀座 SEAT	R-PTFE
球体 BALL	ASTM A276 316
阀杆 STEM	ASTM A276 316
垫片 GASKET	316+GRAPHITE
上密封垫片 BACK SEAT GASKET	PTFE
填料 PACKING	GRAPHITE
手柄 WRENCH	CARBON STEEL

注释NOTE: ① A105, LF2, F5, F11, F22, F304(L), F316(L), F347, F321, F51, F55; Inconel, Monel, Hastelloy, etc.



压力试验 (A105) PRESSURE TEST (A105)				
等级 CLASS	壳体 SHELL (psig)		阀座 SEAT (psig)	
	水 WATER	空气 AIR	水 WATER	空气 AIR
150LB	450			325
300LB	1125			825
600LB	2225		90	1650
800LB	2975			2175
900LB	3350			2450
1500LB	5575			4100

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 608, BS5351, ASME B16.34/B16.11/B1.20.1/B16.25
- (2) 阀门尺寸 Valve Size: 1/2"-4"
- (3) 应用等级 Applicable Rating: Class 150LB – 1500LB
- (4) 温度等级 Temperature Rating: Up to 250°C
- (5) 结构特征 Structure Features:
 - ★ 3片式体 3 Piece Body
 - ★ 连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded
 - ★ 自由浮动式 Floating Ball Type
 - ★ 防火结构 Fire Safety Construction (API 607)
 - ★ 手动操作 Manual Operating

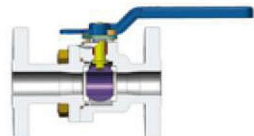
FORGED STEEL SIDE ENTRY BALL VALVE – Free Floating Ball (2 Piece)
锻钢侧入口球阀 – 两片式自由浮动式



材料标准 STANDARD MATERIALS

零件名称 PART NAMES	材料 MATERIALS
阀体 BODY	注释 NOTE①
阀盖 BONNET	注释 NOTE①
阀座 SEAT	R-PTFE
球体 BALL	ASTM A276 316
阀杆 STEM	ASTM A276 316
垫片 GASKET	316+GRAPHITE
上密封垫片 BACK SEAT GASKET	PTFE
填料 PACKING	GRAPHITE
手柄 WRENCH	CARBON STEEL

注释NOTE: ① A105, LF2, F5, F11, F22, F304(L), F316(L), F347, F321, F51, F55; Inconel, Monel, Hastelloy, etc.



压力试验 (A105) PRESSURE TEST (A105)				
等级 CLASS	壳体 SHELL (psig)		阀座 SEAT (psig)	
	水 WATER	空气 AIR	水 WATER	空气 AIR
150LB	450			325
300LB	1125			825
600LB	2225		90	1650
800LB	2975			2175
900LB	3350			2450
1500LB	5575			4100

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 608, BS5351, ASME B16.34/B16.11/B1.20.1/B16.25
- (2) 阀门尺寸 Valve Size: 1/2"-4"
- (3) 应用等级 Applicable Rating: Class 150LB – 1500LB
- (4) 温度等级 Temperature Rating: Up to 250°C
- (5) 结构特征 Structure Features:
 - ★ 2片式体 2 Piece Body
 - ★ 连接端类型 End Connection: 法兰连接端 Flanged Type
 - ★ 自由浮动式 Floating Ball Type
 - ★ 防火结构 Fire Safety Construction (API 607)
 - ★ 手动操作 Manual Operating

FORGED STEEL SIDE ENTRY BALL VALVE – Free Floating Ball (3 Piece)
锻钢侧入口球阀 – 三片式自由浮动式



材料标准 STANDARD MATERIALS

零件名称 PART NAMES	材料 MATERIALS
阀体 BODY	注释 NOTE①
阀盖 BONNET	注释 NOTE①
阀座 SEAT	ASTM A276 316+STL
球体 BALL	ASTM A276 316+STL
阀杆 STEM	ASTM A276 316
垫片 GASKET	316+GRAPHITE
上密封垫片 BACK SEAT GASKET	PTFE
填料 PACKING	GRAPHITE
手柄 WRENCH	CARBON STEEL

注释NOTE: ① A105, LF2, F5, F11, F22, F304(L), F316(L), F347, F321, F51, F55; Inconel, Monel, Hastelloy, etc.



压力试验 (A105) PRESSURE TEST (A105)				
等级 CLASS	壳体 SHELL (psig)		阀座 SEAT (psig)	
	水 WATER	空气 AIR	水 WATER	空气 AIR
150LB	450			325
300LB	1125			825
600LB	2225		90	1650
800LB	2975			2175
900LB	3350			2450
1500LB	5575			4100

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 608, BS5351, ASME B16.34/B16.11/B1.20.1/B16.25
- (2) 阀门尺寸 Valve Size: 1/2"-4"
- (3) 应用等级 Applicable Rating: Class 150LB – 1500LB
- (4) 温度等级 Temperature Rating: Up to 500°C
- (5) 结构特征 Structure Features:
 - ★ 3片式体 3 Piece Body
 - ★ 连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded
 - ★ 自由浮动式 Floating Ball Type
 - ★ 防火结构 Fire Safety Construction (API 607)
 - ★ 手动操作 Manual Operating

FORGED STEEL SIDE ENTRY CRYOGENIC BALL VALVE – Free Floating Ball (3 Piece)
锻钢侧入口低温球阀 – 三片式自由浮动式



材料标准 STANDARD MATERIALS

零件名称 PART NAMES	材料 MATERIALS
阀体 BODY	注释 NOTE①
阀盖 BONNET	注释 NOTE①
阀座 SEAT	PCTFE
球体 BALL	ASTM A276 316
阀杆 STEM	ASTM A276 316
垫片 GASKET	316+GRAPHITE
上密封垫片 BACK SEAT GASKET	PCTFE
填料 PACKING	GRAPHITE
手柄 WRENCH	CARBON STEEL

注释NOTE: ① A105, LF2, F5, F11, F22, F304(L), F316(L), F347, F321, F51, F55; Inconel, Monel, Hastelloy, etc.



压力试验 (A105) PRESSURE TEST (A105)				
等级 CLASS	壳体 SHELL (psig)		阀座 SEAT (psig)	
	水 WATER	空气 AIR	水 WATER	空气 AIR
150LB	450			325
300LB	1125			825
600LB	2225		90	1650
800LB	2975			2175
900LB	3350			2450
1500LB	5575			4100
2500LB	9275			6800

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 608, BS5351, ASME B16.34/B16.11/B1.20.1/B16.25
- (2) 阀门尺寸 Valve Size: 1/2"-4"
- (3) 应用等级 Applicable Rating: Class 150LB – 2500LB
- (4) 温度等级 Temperature Rating: Down To -196°C
- (5) 结构特征 Structure Features:
 - ★ 3片式体 3 Piece Body
 - ★ 连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded
 - ★ 自由浮动式 Floating Ball Type
 - ★ 防火结构 Fire Safety Construction (API 607)
 - ★ 手动操作 Manual Operating

FORGED STEEL SIDE ENTRY BALL VALVE – Free Floating Ball (3 Piece)

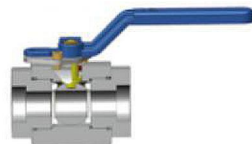
锻钢侧入口球阀 – 三片式自由浮动式



材料标准 STANDARD MATERIALS

零件名称 PART NAMES	材料 MATERIALS
阀体 BODY	注释 NOTE①
阀盖 BONNET	注释 NOTE①
阀座 SEAT	R-PTFE
球体 BALL	ASTM A276 316
阀杆 STEM	ASTM A276 316
O型密封圈 O-RING	NBR
上密封垫片 BACK SEAT GASKET	PTFE
填料 PACKING	GRAPHITE
手柄 WRENCH	CARBON STEEL

注释NOTE: ① A105, LF2, F5, F11, F22, F304(L), F316(L), F347, F321, F51, F55; Inconel, Monel, Hastelloy; etc.



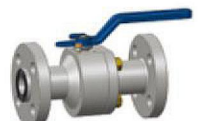
压力试验 (A105) PRESSURE TEST (A105)			
等级 CLASS	壳体 SHELL (psig)	上密封 BACKSEAT (psig)	阀座 SEAT (psig)
	水 WATER	水 WATER	空气 AIR / 水 WATER
150LB	450		325
300LB	1125		825
600LB	2225		1650
800LB	2975	-	90
900LB	3350		2450
1500LB	5575		4100
2500LB	9275		6800

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 608, BS5351, ASME B16.34/B16.11/B1.20.1/B16.25
- (2) 阀门尺寸 Valve Size: 1/2"–4"
- (3) 应用等级 Applicable Rating: Class 150LB – 2500LB
- (4) 温度等级 Temperature Rating: Up to 250°C
- (5) 结构特征 Structure Features: ★3片式体 3 Piece Body
 - ★连接端类型 End Connection: 螺纹, 承插焊或对焊连接 Threading, Socket-Welded or Butt-Welded
 - ★自由浮动式 Floating Ball Type
 - ★防火结构 Fire Safety Construction (API 607)
 - ★手柄操作 Manual Operating

FORGED STEEL SIDE ENTRY BALL VALVE – Free Floating Ball (2 Piece)

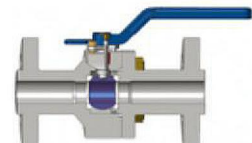
锻钢侧入口球阀 – 两片式自由浮动式



材料标准 STANDARD MATERIALS

零件名称 PART NAMES	材料 MATERIALS
阀体 BODY	注释 NOTE①
阀盖 BONNET	注释 NOTE①
阀座 SEAT	R-PTFE
球体 BALL	ASTM A276 316
阀杆 STEM	ASTM A276 316
O型密封圈 O-RING	NBR
上密封垫片 BACK SEAT GASKET	PTFE
填料 PACKING	GRAPHITE
手柄 WRENCH	CARBON STEEL

注释NOTE: ① A105, LF2, F5, F11, F22, F304(L), F316(L), F347, F321, F51, F55; Inconel, Monel, Hastelloy C; etc.



压力试验 (A105) PRESSURE TEST (A105)			
等级 CLASS	壳体 SHELL (psig)	上密封 BACKSEAT (psig)	阀座 SEAT (psig)
	水 WATER	水 WATER	空气 AIR / 水 WATER
150LB	450		325
300LB	1125		825
600LB	2225		1650
800LB	2975	-	90
900LB	3350		2450
1500LB	5575		4100
2500LB	9275		6800

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 608, BS5351, ASME B16.34/B16.11/B1.20.1/B16.25
- (2) 阀门尺寸 Valve Size: 1/2"–4"
- (3) 应用等级 Applicable Rating: Class 150LB – 2500LB
- (4) 温度等级 Temperature Rating: Up to 250°C
- (5) 结构特征 Structure Features:
 - ★2片式体 2 Piece Body
 - ★连接端类型 End Connection: 法兰连接端 Flanged Type
 - ★自由浮动式 Floating Ball Type
 - ★防火结构 Fire Safety Construction (API 607)
 - ★手柄操作 Manual Operating

位号对照表 Number Chart

示例: 闸阀, 1", 800LB, 阀盖螺栓连接, 承插焊连接, 阀体材料A105, 内件NO.8
Example: Gate, 1", 800LB, Bolted Bonnet, Socket-Welded, Body material A105, Trim NO.8

G	25	8	B	S	A105	8
①	②	③	④	⑤	⑥	⑦

① 阀门类型 Valve Type

类型 Type	闸阀 Gate Valve	截止阀 Globe Valve	升降式止回阀 Lift Check Valve	旋启式止回阀 Swing Check Valve	Y型截止阀 Y-Globe Valve	Y型止回阀 Y-Check Valve	球阀 Ball Valve	过滤器 Strainer
代号 Code	G	GL	P	S	YGL	YP	Q	R

② 阀门尺寸 Valve size

英寸 Inch	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
代号 Code	8	10	15	20	25	32	40	50	65	80	100

③ 公称压力 Nominal Pressure

等级 Class	150	300	600	800	900	1500	2500
代号 Code	1	3	6	8	9	15	25

④ 结构形式 Structural Type

类型 Type	阀盖螺栓连接 Bolted Bonnet	阀盖焊接连接 Welded Bonnet	自密封连接 Pressure-Seal Bonnet
代号 Code	B	W	P

⑤ 端部类型 End Connection

类型 Type	承插焊连接 Socket-Welded	螺纹连接 Threaded	对焊连接 Butt-Welded	螺纹承插焊连接 Threaded x Socket-Welded	凸面法兰 Rise Flange	RTJ法兰 RTJ Flange
代号 Code	S	T	B	ST	R	J

⑥ 阀体材料 Body Material

A105	LF2	F11	F22	F91	F304	F304L	F316/F316L	其他
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⑦ 内件材料 Trim Material

密封材料代号 Surface Material Code	阀座密封面 Seat Surface	阀杆密封面 Stem Surface
1	A276 420	A276 410
2	A276 304	A276 304
2H	CoCrA	A276 304
2S	A276 304	CoCrA
5	CoCrA	CoCrA
8	A276 420	CoCrA
9	Monel	Monel
10	A276 316	A276 316
10H	CoCrA	CoCrA
11	Monel	CoCrA
12	A276 316	CoCrA
13	Alloy 20	Alloy 20
14	Alloy 20	Alloy 20+CoCrA