

STAVAL



厦门斯嘉达阀门科技有限公司  
XIAMEN STAVAL VALVE TECHNOLOGY.,LTD

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**PRODUCT CATALOGUE**  
**XIAMEN STAVAL VALVE TECHNOLOGY CO.,LTD**





# COMPANY PROFILE

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XIAMEN STAVAL VALVE TECHNOLOGY Co., Ltd. Marketing department is located in Xiamen, China, a beautiful garden city with developed economy and convenient transportation, attracting a large number of talents and creating value for world development. And the manufacturing headquarters is located in Wenzhou, the hometown of China pumps and valves.

STAVAL is a valve company providing one-stop solution integrating production, trade and inspection services. We are committed to engineering design, manufacturing and supplying superior products, and providing excellent personal service to our customers. We have a well-established system equipped with a capable team of responsible technicians and inspectors, perfect workshop management and experienced sales department. After years of accumulation, STAVAL has a wide range of business radiation, covering South America, Europe, South Africa, the Middle East, etc, and it's still growing.

## STAVAL RPRODUCTS

We provide the best professional solutions for the most demanding industries, including oil and gas, chemical, petrochemical, pharmaceutical and mining. Our products include gate valves, globe valves, check valves, ball valves, butterfly valves, plug valves, strainers and so on, which sizes ranges from 1/2" all the way to 60", pressure from ANSI /ASME 125 to 4500LBS and UNI from PN6 to PN400, and the standard is according to API, ASME, ASTM, EN, DIN, GOST, GB.

## STAVAL QUALITY

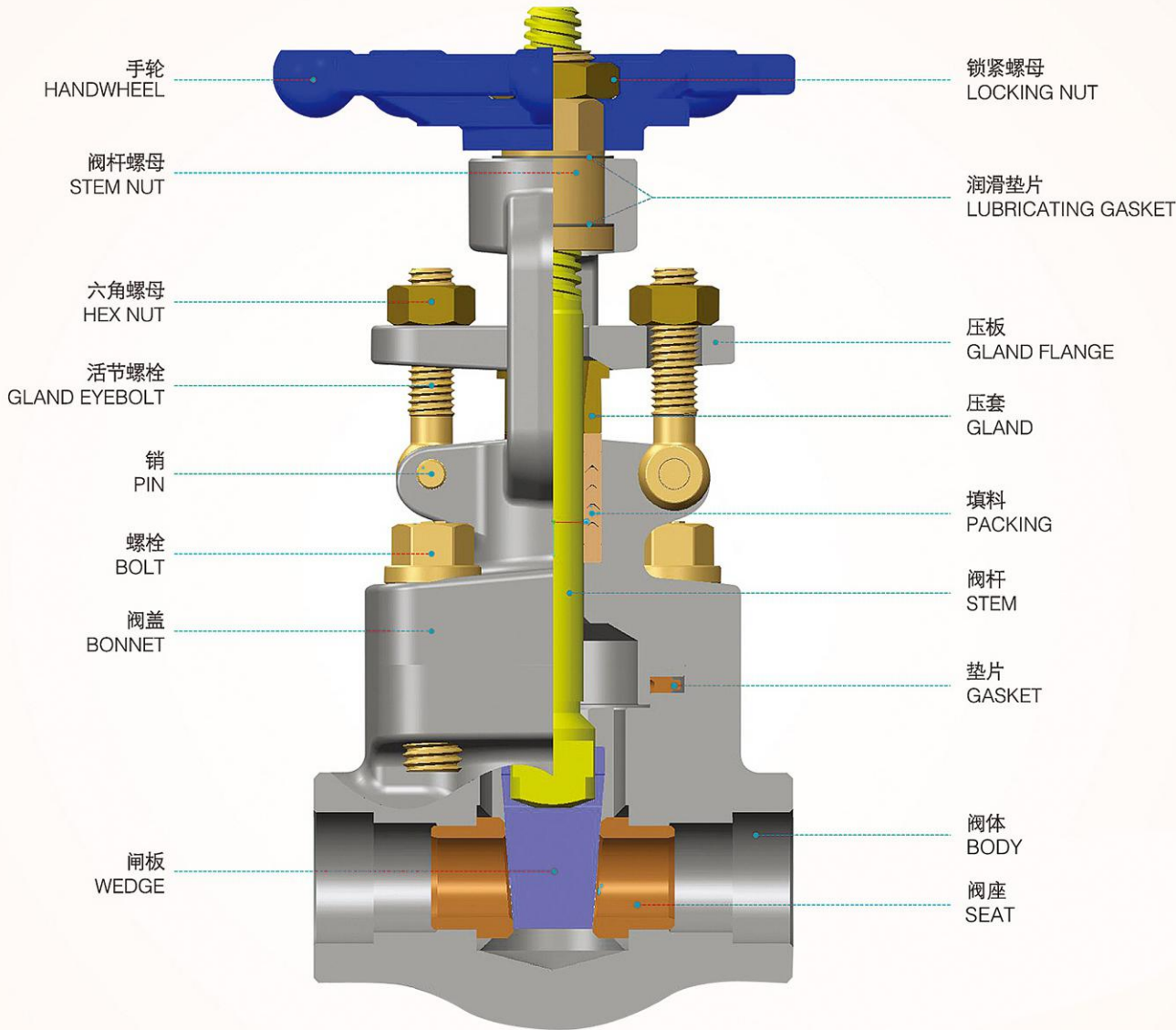
Outstanding quality is our first priority. STAVAL specially develops a team of experienced technicians and inspectors who have engaged in valve field for more than 10 years to control the production process and quality. From raw material selection to final shipment, we guarantee that the whole process will be under strictly monitoring.What's worthy noted is that we do 100% inspection before shipment. Inspection contents include appearance, dimensions, material chemical compositions, hydraulic test, air test, torque value, painting (type, color, thickness and painting technique), package and so on.

## STAVAL ADVANTAGE

Our expertise is to figure out personalized solutions to every customer's unique requirements and provide excellent service with accurate and reasonable prices, outstanding quality and valued technical solution. We hope to be not only your business supplier, but also one part of your team!

What you want is what I want, let our indispensable advantage be your best choice!





斯嘉达 锻钢闸阀有三种阀盖设计形式:

- (1) 螺栓式阀盖, 其阀体与阀盖用螺栓连接, 缠绕式垫片 (F304夹柔性石墨制造) 或采用金属环连接密封;
- (2) 焊接式阀盖, 其阀体与阀盖用螺栓连接, 全焊密封;
- (3) 压力自紧式阀盖, 其阀体与阀盖用螺栓连接, 内压自密封环密封。

STAVAL forged steel gate valve is available in three kinds of bonnet design:

- (1) Bolted Bonnet: The body and bonnet is connected by bolts with spiral wound gasket (304+graphite) or metal rings sealed;
- (2) Welded Bonnet: The body and bonnet is screwed and sealed by welding;
- (3) Pressure Sealed Bonnet: The body and bonnet is screwed and sealed by inside pressure self-sealed ring.

FORGED STEEL GATE VALVE – Outside Screw & Yoke, Bolted Bonnet  
锻钢闸阀-明杆支架, 阀盖螺栓连接



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
闸板 WEDGE	ASTM A276 420
阀杆 STEM	ASTM A276 410
垫片 GASKET	304+GRAPHITE
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 410

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

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, 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:
  - ★连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded
  - ★明杆支架, 阀盖螺栓连接 Outside Screw & Yoke, Bolted Bonnet
  - ★缩径 / 全径 Reduce Bore / Full Bore
  - ★升杆式 / 非上升手轮 Rising Stem / Non-Rising Handwheel



压力试验 (A105) PRESSURE TEST (A105)				
磅级 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	90	-
300LB	1125	825		-
600LB	2225	1650		-
800LB	2975	2175		-
900LB	3350	2450		-
1500LB	5575	4100		-

FORGED STEEL GATE VALVE – Outside Screw & Yoke, Welded Bonnet  
锻钢闸阀-明杆支架, 阀盖焊接连接



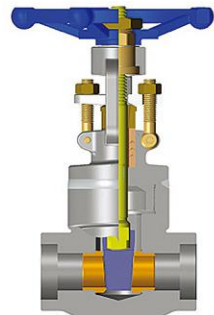
材料标准 STANDARD MATERIALS

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
闸板 WEDGE	ASTM A276 420
阀杆 STEM	ASTM A276 410
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 410

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

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, 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 500°C
- (5) 结构特征 Structure Features:
  - ★连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded
  - ★明杆支架, 阀盖焊接连接 Outside Screw & Yoke, Welded Bonnet
  - ★缩径 / 全径 Reduce Bore / Full Bore
  - ★升杆式 / 非上升手轮 Rising Stem / Non-Rising Handwheel



压力试验 (A105) PRESSURE TEST (A105)				
磅级 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	90	-
300LB	1125	825		-
600LB	2225	1650		-
800LB	2975	2175		-
900LB	3350	2450		-
1500LB	5575	4100		-
2500LB	9275	6800	-	6800



FORGED STEEL GATE VALVE – Outside Screw & Yoke, Bolted Bonnet  
锻钢闸阀–明杆支架，阀盖螺栓连接



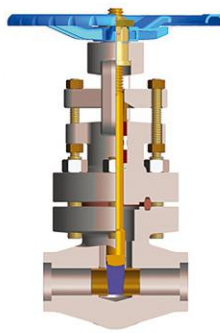
材料标准 STANDARD MATERIALS

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
闸板 WEDGE	ASTM A276 420
阀杆 STEM	ASTM A276 410
环垫 R-RING	304 SS
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 410

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

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, 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 1500LB ~ 2500LB
- (4) 温度等级 Temperature Rating: Up to 500°C
- (5) 结构特征 Structure Features:
  - ★连接端类型 End Connection: 螺纹，承插焊或对焊连接端 Threaded, Socket–Welded or Butt–Welded
  - ★明杆支架，阀盖螺栓连接 Outside Screw & Yoke, Bolted Bonnet
  - ★缩径 / 全径 Reduce Bore / Full Bore
  - ★升杆式 / 非上升手轮 Rising Stem / Non–Rising Handwheel



压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 CLASS	壳体 SHELL (psig)	上密封 BACKSEAT (psig)	阀座 SEAT (psig)	
	水 WATER	水 WATER	空气 AIR	水 WATER
1500LB	5575	4100	90	–
2500LB	9275	6800	–	6800

FORGED STEEL FLANGED GATE VALVE – Outside Screw & Yoke, Bolted Bonnet  
锻钢法兰连接闸阀–明杆支架，阀盖螺栓连接



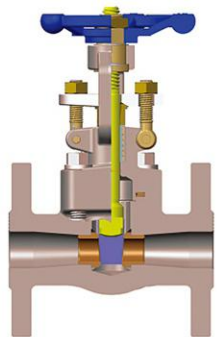
材料标准 STANDARD MATERIALS

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
闸板 WEDGE	ASTM A276 420
阀杆 STEM	ASTM A276 410
垫片 GASKET	304+GRAPHITE
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 410

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

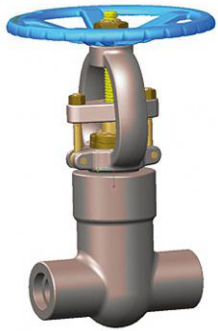
技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.5
- (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:
  - ★连接端类型 End Connection: 法兰连接端 Flanged Type
  - ★明杆支架，阀盖螺栓连接 Outside Screw & Yoke, Bolted Bonnet
  - ★缩径 Reduce Bore
  - ★升杆式 / 非上升手轮 Rising Stem / Non–Rising Handwheel



压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 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	90	–
300LB	1125	825		–
600LB	2225	1650		–
800LB	2975	2175		–
900LB	3350	2450		–
1500LB	5575	4100		–

FORGED STEEL GATE VALVE – Outside Screw & Yoke, Pressure–Seal Bonnet  
锻钢闸阀–明杆支架，压力自紧式密封阀盖



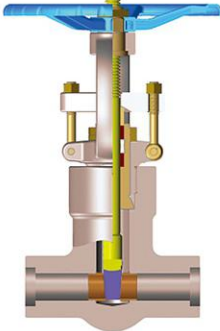
材料标准 STANDARD MATERIALS

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
闸板 WEDGE	ASTM A276 420
阀杆 STEM	ASTM A276 410
自密封座 P.S SEAT	304 SS
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 410

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

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, 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 1500LB ~ 2500LB
- (4) 温度等级 Temperature Rating: Up to 500°C
- (5) 结构特征 Structure Features:
  - ★连接端类型 End Connection: 螺纹，承插焊或对焊连接端 Threaded, Socket–Welded or Butt–Welded
  - ★明杆支架，压力自紧式密封阀盖 Outside Screw & Yoke, Pressure–Seal Bonnet
  - ★缩径 / 全径 Reduce Bore / Full Bore
  - ★升杆式 / 非上升手轮 Rising Stem / Non–Rising Handwheel



压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 CLASS	壳体 SHELL (psig)	上密封 BACKSEAT (psig)	阀座 SEAT (psig)	
	水 WATER	水 WATER	空气 AIR	水 WATER
1500LB	5575	4100	90	–
2500LB	9275	6800	–	6800

FORGED STEEL FLANGED GATE VALVE – Outside Screw & Yoke, Bolted Bonnet  
锻钢法兰连接闸阀–明杆支架，阀盖螺栓连接



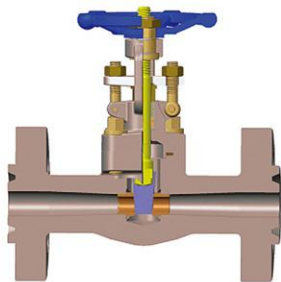
材料标准 STANDARD MATERIALS

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
闸板 WEDGE	ASTM A276 420
阀杆 STEM	ASTM A276 410
垫片 GASKET	304+GRAPHITE
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 410

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

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.5
- (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:
  - ★连接端类型 End Connection: 法兰连接端 Flanged Type
  - ★明杆支架，阀盖螺栓连接 Outside Screw & Yoke, Bolted Bonnet
  - ★缩径 Reduce Bore
  - ★升杆式 / 非上升手轮 Rising Stem / Non–Rising Handwheel



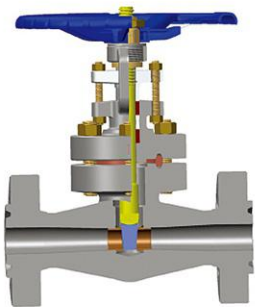
压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 CLASS	壳体 SHELL (psig)	上密封 BACKSEAT (psig)	阀座 SEAT (psig)	
	水 WATER	水 WATER	空气 AIR	水 WATER
150LB	450	325	90	–
300LB	1125	825		–
600LB	2225	1650		–
800LB	2975	2175		–
900LB	3350	2450		–
1500LB	5575	4100		–



FORGED STEEL FLANGED GATE VALVE — Outside Screw & Yoke, Bolted Bonnet  
锻钢法兰连接闸阀-明杆支架，阀盖螺栓连接

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
闸板 WEDGE	ASTM A276 420
阀杆 STEM	ASTM A276 410
环垫 R-RING	304 SS
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 410

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



技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.5
- (2) 阀门尺寸 Valve Size: 1/2"~4"
- (3) 应用等级 Applicable Rating: Class 1500LB ~ 2500LB
- (4) 温度等级 Temperature Rating: Up to 500°C
- (5) 结构特征 Structure Features:
- ★ 连接端类型 End Connection: 法兰连接端 Flanged Type
  - ★ 明杆支架，阀盖螺栓连接 Outside Screw & Yoke, Bolted Bonnet
  - ★ 缩径 Reduce Bore
  - ★ 升杆式 / 非上升手轮 Rising Stem / Non-Rising Handwheel

压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 CLASS	壳体 SHELL (psig)	上密封 BACKSEAT (psig)	阀座 SEAT (psig)	
	水 WATER	水 WATER	空气 AIR	水 WATER
1500LB	5575	4100	90	—
2500LB	9275	6800	—	6800

FORGED STEEL FLANGED CRYOGENIC GATE VALVE — Outside Screw & Yoke, Bolted Bonnet  
锻钢法兰连接低温闸阀-明杆支架，阀盖螺栓连接

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 304(L)/316(L)+HF
闸板 WEDGE	ASTM A276 304(L)/316(L)
阀杆 STEM	ASTM A276 304(L)/316(L)
垫片 GASKET	304+GRAPHITE
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 304(L)/316(L)

注释NOTE: ① F304(L); F316(L).



技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS6364, MSS SP-134, ASME B16.34/B16.5
- (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: Down to -196°C
- (5) 结构特征 Structure Features:
- ★ 连接端类型 End Connection: 法兰连接端 Flanged Type
  - ★ 加长盖 Long Extended Bonnet
  - ★ 操作: 手轮 Actuator: Handwheel
  - ★ 卸压设计 (压力平衡设计) Pressure Relief Design (Pressure Balance Design)
  - ★ 防火 / 抗静电设计 Fire Safety / Anti-static Design
  - ★ 非上升手轮 Non-Rising Handwheel

FORGED STEEL CRYOGENIC GATE VALVE — Outside Screw & Yoke, Bolted Bonnet  
锻钢低温闸阀-明杆支架，阀盖螺栓连接

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 304(L)/316(L)+HF
闸板 WEDGE	ASTM A276 304(L)/316(L)
阀杆 STEM	ASTM A276 304(L)/316(L)
垫片 GASKET	304+GRAPHITE
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 304(L)/316(L)

注释NOTE: ① F304(L); F316(L).



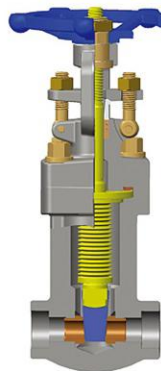
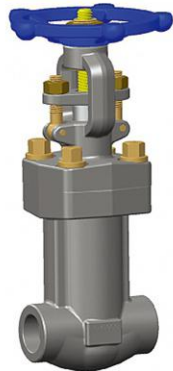
技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS6364, MSS SP-134, 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: Down to -196°C
- (5) 结构特征 Structure Features:
- ★ 连接端类型 End Connection: 螺纹，承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded
  - ★ 加长盖 Long Extended Bonnet
  - ★ 操作: 手轮 Actuator: Handwheel
  - ★ 卸压设计 (压力平衡设计) Pressure Relief Design (Pressure Balance Design)
  - ★ 防火 / 抗静电设计 Fire Safety / Anti-static Design
  - ★ 非上升手轮 Non-Rising Handwheel

FORGED STEEL BELLOWS GATE VALVE — Outside Screw & Yoke, Bolted Bonnet  
锻钢波纹管闸阀-明杆支架，阀盖螺栓连接

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
闸板 WEDGE	ASTM A276 420
阀杆 STEM	ASTM A276 410
垫片 GASKET	304+GRAPHITE
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 410
波纹管 BELLOWS	ASTM A240 316

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



技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, MSS-SP 117, 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 ~ 800LB
- (4) 温度等级 Temperature Rating: Up to 500°C
- (5) 波纹管测试压力 Bellows Test Pressure: 80 psig
- (6) 结构特征 Structure Features:
- ★ 连接端类型 End Connection: 螺纹，承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded
  - ★ 明杆支架，阀盖螺栓连接 Outside Screw & Yoke, Bolted Bonnet
  - ★ 缩径 Reduce Bore
  - ★ 升杆式 / 非上升手轮 Rising Stem / Non-Rising Handwheel



FORGED STEEL BELLOWS GATE VALVE – Outside Screw & Yoke, Bolted Bonnet

锻钢波纹管闸阀-明杆支架，阀盖螺栓连接



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
闸板 WEDGE	ASTM A276 420
阀杆 STEM	ASTM A276 410
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 410
波纹管 BELLOWS	ASTM A240 316

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



技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, MSS-SP 117, 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 ~ 800LB  
(4) 温度等级 Temperature Rating: Up to 500°C (5) 波纹管测试压力 Bellows Test Pressure: 80 psig  
(6) 结构特征 Structure Features:  
★ 连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded  
★ 明杆支架, 阀盖螺栓连接 Outside Screw & Yoke, Bolted Bonnet ★ 缩径 Reduce Bore ★ 升杆式 / 非上升手轮 Rising Stem / Non-Rising Handwheel

FORGED STEEL FLANGED BELLOWS GATE VALVE – Outside Screw & Yoke, Bolted Bonnet

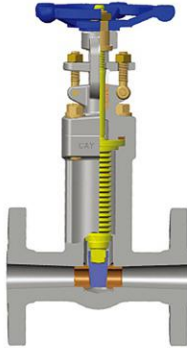
锻钢法兰连接波纹管闸阀-明杆支架，阀盖螺栓连接



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
闸板 WEDGE	ASTM A276 420
阀杆 STEM	ASTM A276 410
垫片 GASKET	304+GRAPHITE
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 410
波纹管 BELLOWS	ASTM A240 316

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



技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, MSS-SP 117, ASME B16.34/B16.5  
(2) 阀门尺寸 Valve Size: 1/2"~4"  
(3) 应用等级 Applicable Rating: Class 150LB ~ 600LB  
(4) 温度等级 Temperature Rating: Up to 500°C  
(5) 波纹管测试压力 Bellows Test Pressure: 80 psig  
(6) 结构特征 Structure Features:  
★ 连接端类型 End Connection: 法兰连接端 Flanged Type  
★ 明杆支架, 阀盖螺栓连接 Outside Screw & Yoke, Bolted Bonnet ★ 缩径 Reduce Bore ★ 升杆式 / 非上升手轮 Rising Stem / Non-Rising Handwheel

FORGED STEEL EXTENDED GATE VALVE – Outside Screw & Yoke, Bolted Bonnet

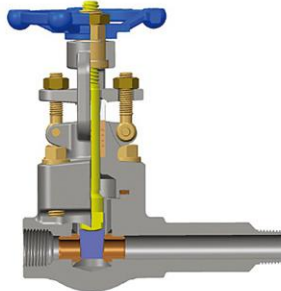
锻钢延长端闸阀-明杆支架，阀盖螺栓连接



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
闸板 WEDGE	ASTM A276 420
阀杆 STEM	ASTM A276 410
垫片 GASKET	304+GRAPHITE
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 410

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

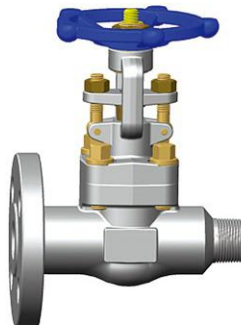


技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, API 606, ASME B16.34/B16.11/B1.20.1  
(2) 阀门尺寸 Valve Size: 1/2"~4"  
(3) 应用等级 Applicable Rating: Class 800LB ~ 1500LB  
(4) 温度等级 温度等级 Temperature Rating: Up to 500°C  
(5) 结构特征 Structure Features:  
★ 连接端类型 End Connection: 螺纹或承插焊连接端 Threaded or Socket-Welded Type ★ 明杆支架, 阀盖螺栓连接 Outside Screw & Yoke, Bolted Bonnet  
★ 缩径 / 全径 Reduce Bore / Full Bore ★ 升杆式 / 非上升手轮 Rising Stem / Non-Rising Handwheel

FORGED STEEL RELEASING MEDIA VALVE – Outside Screw & Yoke, Bolted Bonnet

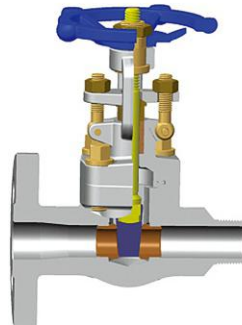
锻钢放空导淋阀-明杆支架，阀盖螺栓连接



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
闸板 WEDGE	ASTM A276 420
阀杆 STEM	ASTM A276 410
垫片 GASKET	304+GRAPHITE
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 410

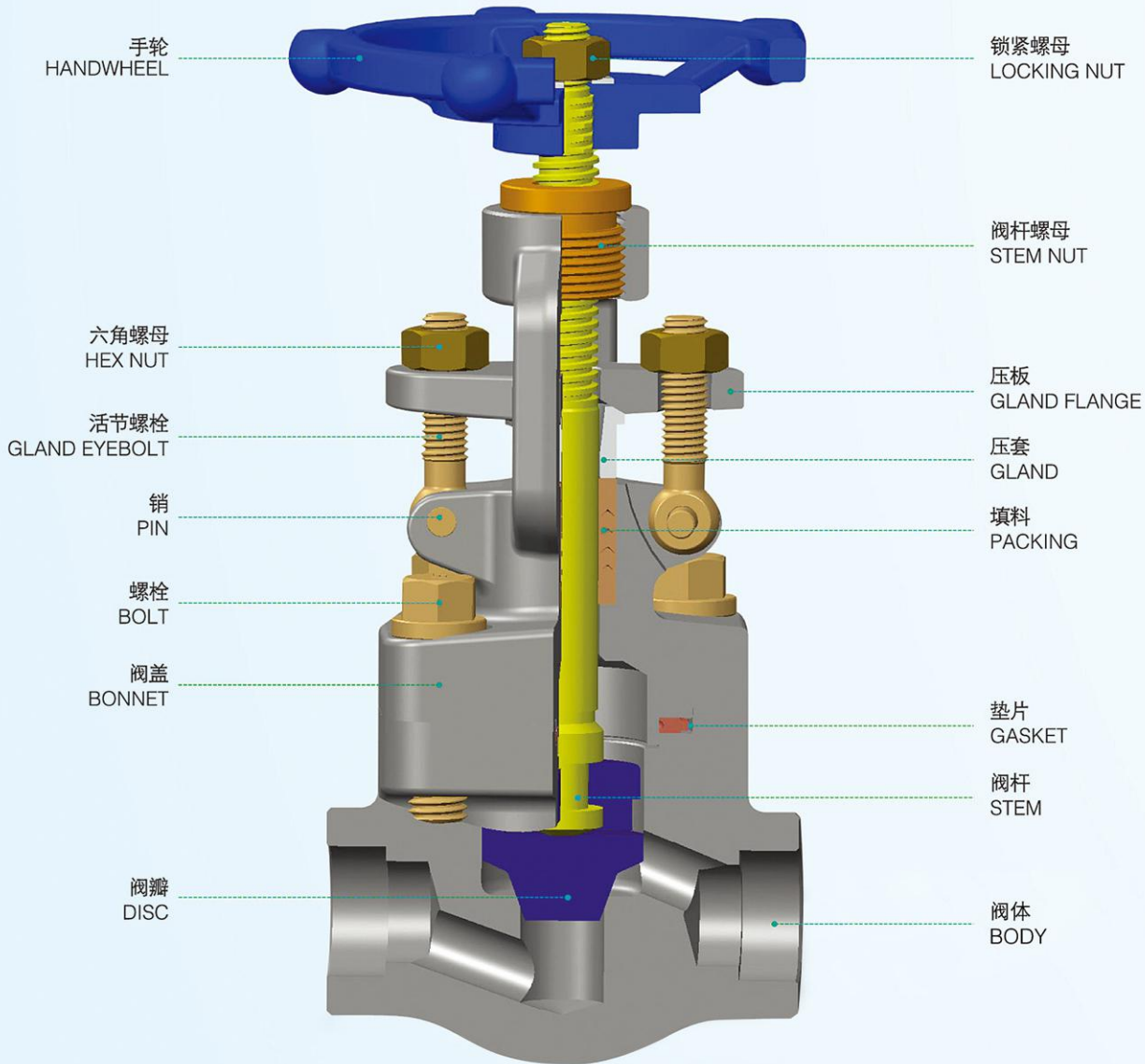
注释NOTE: ① A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconel; Monel; Hastelloy; etc.



技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, ASME B16.34/B16.11/B1.20.1/B16.5  
(2) 阀门尺寸 Valve Size: 1/2"~4"  
(3) 应用等级 Applicable Rating: Class 800LB ~ 1500LB  
(4) 温度等级 Temperature Rating: Up to 500°C  
(5) 结构特征 Structure Features:  
★ 连接端类型 End Connection: 螺纹或承插焊连接端 Threaded or Socket-Welded Type 对焊或法兰连接端 Butt-Welded or Flanged Type  
★ 明杆支架, 阀盖螺栓连接 Outside Screw & Yoke, Bolted Bonnet ★ 缩径 / 全径 Reduce Bore / Full Bore  
★ 升杆式 / 非上升手轮 Rising Stem / Non-Rising Handwheel





斯嘉达锻钢截止阀有三种阀盖设计形式:

- (1) 螺栓式阀盖, 其阀体与阀盖用螺栓连接, 缠绕式垫片(F304夹柔性石墨制造)或采用金属环连接密封;
- (2) 焊接式阀盖, 其阀体与阀盖用螺栓连接, 全焊密封;
- (3) 压力自紧式阀盖, 其阀体与阀盖用螺栓连接, 内压自密封环密封。

STAVAL forged steel globe valve is available in three kinds of bonnet design:

- (1) Bolted Bonnet: The body and bonnet is connected by bolts with spiral wound gasket (304+graphite) or metal rings sealed;
- (2) Welded Bonnet: The body and bonnet is screwed and sealed by welding;
- (3) Pressure Sealed Bonnet: The body and bonnet is screwed and sealed by inside pressure self-sealed ring.

FORGED STEEL GLOBE VALVE – Outside Screw & Yoke, Bolted Bonnet  
锻钢截止阀 – 明杆支架, 阀盖螺栓连接



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 A105+HF
阀瓣 DISC	ASTM A276 420
阀杆 STEM	ASTM A276 410
垫片 GASKET	304+GRAPHITE
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 410

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

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, 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:
  - ★连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded
  - ★明杆支架, 阀盖螺栓连接 Outside Screw & Yoke, Bolted Bonnet
  - ★缩径 / 全径 Reduce Bore / Full Bore
  - ★非升杆式 / 上升手轮 Non-Rising Stem / Rising Handwheel



压力试验 (A105) PRESSURE TEST (A105)				
磅级 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		325
300LB	1125	825		825
600LB	2225	1650		1650
800LB	2975	2175	-	2175
900LB	3350	2450		2450
1500LB	5575	4100		4100

FORGED STEEL GLOBE VALVE – Outside Screw & Yoke, Welded Bonnet  
锻钢截止阀 – 明杆支架, 阀盖焊接连接



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 A105+HF
阀瓣 DISC	ASTM A276 420
阀杆 STEM	ASTM A276 410
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 410

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

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, 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:
  - ★连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded
  - ★明杆支架, 阀盖焊接连接 Outside Screw & Yoke, Welded Bonnet
  - ★缩径 / 全径 Reduce Bore / Full Bore
  - ★非升杆式 / 上升手轮 Non-Rising Stem / Rising Handwheel



压力试验 (A105) PRESSURE TEST (A105)				
磅级 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		325
300LB	1125	825		825
600LB	2225	1650		1650
800LB	2975	2175	-	2175
900LB	3350	2450		2450
1500LB	5575	4100		4100
2500LB	9275	6800		6800



FORGED STEEL Y-GLOBE VALVE – Outside Screw & Yoke, Bolted Bonnet  
锻钢Y型截止阀 – 明杆支架, 阀盖螺栓连接


	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 A105+HF
	阀瓣 DISC	ASTM A276 420
	阀杆 STEM	ASTM A276 410
	垫片 GASKET	304+GRAPHITE
	手轮 HANDWHEEL	ASTM A197
	填料 PACKING	GRAPHITE
	压套 GLAND	ASTM A276 410
注释NOTE: ① A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconel; Monel; Hastelloy; etc.		

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, 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:
- ★连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded
  - ★明杆支架, 阀盖螺栓连接 Outside Screw & Yoke, Bolted Bonnet
  - ★缩径 / 全径 Reduce Bore / Full Bore
  - ★非升杆式 / 上升手轮 Non-Rising Stem / Rising Handwheel

压力试验 ( A105 ) PRESSURE TEST ( A105 )				
磅级 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	-	325
300LB	1125	825		825
600LB	2225	1650		1650
800LB	2975	2175		2175
900LB	3350	2450		2450
1500LB	5575	4100		4100

FORGED STEEL GLOBE VALVE – Outside Screw & Yoke, Bolted Bonnet  
锻钢截止阀 – 明杆支架, 阀盖螺栓连接

	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 A105+HF
	阀瓣 DISC	ASTM A276 420
	阀杆 STEM	ASTM A276 410
	环垫 R-RING	304SS
	手轮 HANDWHEEL	ASTM A197
	填料 PACKING	GRAPHITE
	压套 GLAND	ASTM A276 410
注释NOTE: ① A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconel; Monel; Hastelloy; etc.		

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, 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 1500LB ~ 2500LB  
(4) 温度等级 Temperature Rating: Up to 500°C  
(5) 结构特征 Structure Features:
- ★连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded
  - ★明杆支架, 阀盖螺栓连接 Outside Screw & Yoke, Bolted Bonnet
  - ★缩径 / 全径 Reduce Bore / Full Bore
  - ★非升杆式 / 上升手轮 Non-Rising Stem / Rising Handwheel

压力试验 ( A105 ) PRESSURE TEST ( A105 )				
磅级 CLASS	壳体 SHELL (psig)	上密封 BACKSEAT (psig)	阀座 SEAT (psig)	
	水 WATER	水 WATER	空气 AIR	水 WATER
1500LB	5575	4100	-	4100
2500LB	9275	6800		6800

FORGED STEEL Y-GLOBE VALVE – Outside Screw & Yoke, Welded Bonnet  
锻钢Y型截止阀 – 明杆支架, 阀盖焊接连接


	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 A105+HF
	阀瓣 DISC	ASTM A276 420
	阀杆 STEM	ASTM A276 410
	手轮 HANDWHEEL	ASTM A197
	填料 PACKING	GRAPHITE
	压套 GLAND	ASTM A276 410
注释NOTE: ① A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconel; Monel; Hastelloy; etc.		

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, 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 500°C  
(5) 结构特征 Structure Features:
- ★连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded
  - ★明杆支架, 阀盖焊接连接 Outside Screw & Yoke, Welded Bonnet
  - ★缩径 / 全径 Reduce Bore / Full Bore
  - ★非升杆式 / 上升手轮 Non-Rising Stem / Rising Handwheel

压力试验 ( A105 ) PRESSURE TEST ( A105 )				
磅级 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	-	325
300LB	1125	825		825
600LB	2225	1650		1650
800LB	2975	2175		2175
900LB	3350	2450		2450
1500LB	5575	4100		4100
2500LB	9275	6800		6800

FORGED STEEL GLOBE VALVE – Outside Screw & Yoke, Pressure-Seal Bonnet  
锻钢截止阀 – 明杆支架, 压力自紧式密封阀盖

	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 A105+HF
	阀瓣 DISC	ASTM A276 420
	阀杆 STEM	ASTM A276 410
	密封阀座 P.S SEAT	304SS
	手轮 HANDWHEEL	ASTM A197
	填料 PACKING	GRAPHITE
	压套 GLAND	ASTM A276 410
注释NOTE: ① A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconel; Monel; Hastelloy; etc.		

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, 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 1500LB ~ 2500LB  
(4) 温度等级 Temperature Rating: Up to 500°C  
(5) 结构特征 Structure Features:
- ★连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded
  - ★明杆支架, 压力自紧式密封阀盖 Outside Screw & Yoke, Pressure-Seal Bonnet
  - ★缩径 / 全径 Reduce Bore / Full Bore
  - ★非升杆式 / 上升手轮 Non-Rising Stem / Rising Handwheel

压力试验 ( A105 ) PRESSURE TEST ( A105 )				
磅级 CLASS	壳体 SHELL (psig)	上密封 BACKSEAT (psig)	阀座 SEAT (psig)	
	水 WATER	水 WATER	空气 AIR	水 WATER
1500LB	5575	4100	-	4100
2500LB	9275	6800		6800



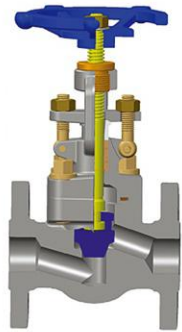
FORGED STEEL FLANGED GLOBE VALVE – Outside Screw & Yoke, Bolted Bonnet  
锻钢法兰连接截止阀 – 明杆支架, 阀盖螺栓连接



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 A105+HF
阀瓣 DISC	ASTM A276 420
阀杆 STEM	ASTM A276 410
垫片 GASKET	304+GRAPHITE
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 410

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)				
磅级 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	-	325
300LB	1125	825		825
600LB	2225	1650		1650
800LB	2975	2175		2175
900LB	3350	2450		2450
1500LB	5575	4100		4100

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.5
- (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:
  - ★ 连接端类型 End Connection: 法兰连接端 Flanged Type
  - ★ 明杆支架, 阀盖螺栓连接 Outside Screw & Yoke, Bolted Bonnet
  - ★ 缩径 Reduce Bore
  - ★ 非升杆式 / 上升手轮 Non-Rising Stem / Rising Handwheel

FORGED STEEL FLANGED GLOBE VALVE – Outside Screw & Yoke, Bolted Bonnet  
锻钢法兰连接截止阀 – 明杆支架, 阀盖螺栓连接



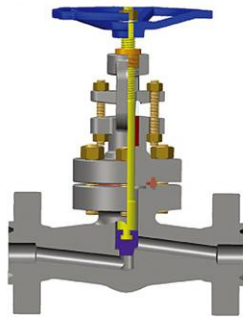
材料标准 STANDARD MATERIALS

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 A105+HF
阀瓣 DISC	ASTM A276 420
阀杆 STEM	ASTM A276 410
环垫 R-RING	304SS
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 410

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

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.5
- (2) 阀门尺寸 Valve Size: 1/2"~4"
- (3) 应用等级 Applicable Rating: Class 1500LB ~ 2500LB
- (4) 温度等级 Temperature Rating: Up to 500°C
- (5) 结构特征 Structure Features:
  - ★ 连接端类型 End Connection: 法兰连接端 Flanged Type
  - ★ 明杆支架, 明杆支架, 阀盖螺栓连接 Outside Screw & Yoke, Bolted Bonnet
  - ★ 缩径 Reduce Bore
  - ★ 非升杆式 / 上升手轮 Non-Rising Stem / Rising Handwheel



压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 CLASS	壳体 SHELL (psig)	上密封 BACKSEAT (psig)	阀座 SEAT (psig)	
	水 WATER	水 WATER	空气 AIR	水 WATER
1500LB	5575	4100	-	4100
2500LB	9275	6800		6800

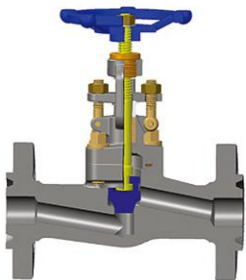
FORGED STEEL FLANGED GLOBE VALVE – Outside Screw & Yoke, Bolted Bonnet  
锻钢法兰连接截止阀 – 明杆支架, 阀盖螺栓连接



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 A105+HF
阀瓣 DISC	ASTM A276 420
阀杆 STEM	ASTM A276 410
垫片 GASKET	304+GRAPHITE
手轮 HANDWHEEL	ASTM A197
填料压套 GLAND PACKING	GRAPHITE
压套 GLAND	ASTM A276 410

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)				
磅级 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	-	325
300LB	1125	825		825
600LB	2225	1650		1650
800LB	2975	2175		2175
900LB	3350	2450		2450
1500LB	5575	4100		4100

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.5
- (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:
  - ★ 连接端类型 End Connection: 法兰连接端 Flanged Type
  - ★ 明杆支架, 阀盖螺栓连接 Outside Screw & Yoke, Bolted Bonnet
  - ★ 缩径 Reduce Bore
  - ★ 非升杆式 / 上升手轮 Non-Rising Stem / Rising Handwheel

FORGED STEEL CRYOGENIC GLOBE VALVE – Outside Screw & Yoke, Bolted Bonnet  
锻钢低温截止阀 – 明杆支架, 阀盖螺栓连接



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 304(L)/316(L)+HF
阀瓣 DISC	ASTM A276 304(L)/316(L)
阀杆 STEM	ASTM A276 304(L)/316(L)
垫片 GASKET	304+GRAPHITE
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 304(L)/316(L)

注释NOTE: ① F304(L); F316(L).

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS6364, MSS SP-134, 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: Down to -196°C
- (6) 结构特征 Structure Features:
  - ★ 连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded
  - ★ 加长盖 Long Extended Bonnet
  - ★ 操作: 手轮 Actuator: Handwheel
  - ★ 卸压设计 (压力平衡设计) Pressure Relief Design (Pressure Balance Design)
  - ★ 防火 / 抗静电设计 Fire Safety / Anti-static Design
  - ★ 上升手轮 Rising Handwheel





FORGED STEEL FLANGED CRYOGENIC GLOBE VALVE – Outside Screw & Yoke, Bolted Bonnet


锻钢法兰连接低温截止阀 – 明杆支架，阀盖螺栓连接



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 304(L)/316(L)+HF
阀瓣 DISC	ASTM A276 304(L)/316(L)
阀杆 STEM	ASTM A276 304(L)/316(L)
垫片 GASKET	304+GRAPHITE
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 304(L)/316(L)

注释NOTE: ① F304(L); F316(L).



技术参数 SPECIFICATIONS

(1) 设计制造标准 Design & Manufacture Conform to: API 602, BS6364, MSS SP-134, ASME B16.34/B16.5

(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: Down to -196℃

(6) 结构特征 Structure Features:

★ 连接端类型 End Connection: 法兰连接端 Flanged Type

★ 加长盖 Long Extended Bonnet

★ 操作: 手轮 Actuator: Handwheel

★ 卸压设计 (压力平衡设计) Pressure Relief Design (Pressure Balance Design)

★ 防火 / 防静电设计 Fire Safety / Anti-static Design

★ 上升手轮 Rising Handwheel

FORGED STEEL BELLOWS GLOBE VALVE – Outside Screw & Yoke, Welded Bonnet

锻钢波纹管截止阀 – 明杆支架，阀盖焊接连接



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 A105+HF
阀瓣 DISC	ASTM A276 420
阀杆 STEM	ASTM A276 410
垫片 GASKET	304+GRAPHITE
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 410
波纹管 BELLOWS	ASTM A240 316

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



技术参数 SPECIFICATIONS

(1) 设计制造标准 Design & Manufacture Conform to: API 602, MSS-SP 117, 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 ~ 800LB

(4) 温度等级 Temperature Rating: Up to 500℃

(5) 波纹管测试压力 Bellows Test Pressure: 80 psig

(6) 结构特征 Structure Features:

★ 连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded

★ 明杆支架, 阀盖焊接连接 Outside Screw & Yoke, Welded Bonnet

★ 缩径 Reduce Bore

★ 升杆式/非上升手轮 Rising Stem / Non-Rising Handwheel

FORGED STEEL BELLOWS GLOBE VALVE – Outside Screw & Yoke, Bolted Bonnet

锻钢波纹管截止阀 – 明杆支架，阀盖螺栓连接



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 A105+HF
阀瓣 DISC	ASTM A276 420
阀杆 STEM	ASTM A276 410
垫片 GASKET	304+GRAPHITE
手轮 HANDWHEEL	ASTM A197
填料 PACKING	GRAPHITE
压套 GLAND	ASTM A276 410
波纹管 BELLOWS	ASTM A240 316

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



技术参数 SPECIFICATIONS

(1) 设计制造标准 Design & Manufacture Conform to: API 602, MSS-SP 117, 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 ~ 800LB

(4) 温度等级 Temperature Rating: Up to 500℃

(5) 波纹管测试压力 Bellows Test Pressure: 80 psig

(6) 结构特征 Structure Features:

★ 连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded


★ 明杆支架, 阀盖螺栓连接 Outside Screw & Yoke, Bolted Bonnet

★ 缩径 Reduce Bore

★ 升杆式/非上升手轮 Rising Stem / Non-Rising Handwheel

FORGED STEEL FLANGED BELLOWS GLOBE VALVE – Outside Screw & Yoke, Bolted Bonnet

锻钢法兰连接波纹管截止阀 – 明杆支架，阀盖螺栓连接



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 A105+HF
闸板 WEDGE	ASTM A276 420
阀杆 STEM	ASTM A276 410
垫片 GASKET	304+GRAPHITE
手轮 HANDWHEEL	ASTM A197
填料 PACKING	304+GRAPHITE
压套 GLAND	ASTM A276 410
波纹管 BELLOWS	ASTM A240 316

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



技术参数 SPECIFICATIONS

(1) 设计制造标准 Design & Manufacture Conform to: API 602, MSS-SP 117, ASME B16.34/B16.5

(2) 阀门尺寸 Valve Size: 1/2"~4"

(3) 应用等级 Applicable Rating: Class 150LB ~ 600LB

(4) 温度等级 Temperature Rating: Up to 500℃

(5) 波纹管测试压力 Bellows Test Pressure: 80 psig

(6) 结构特征 Structure Features:

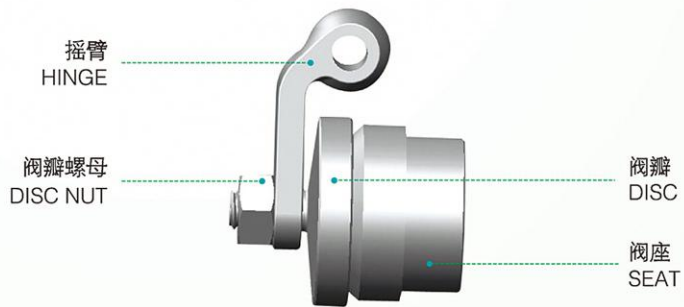
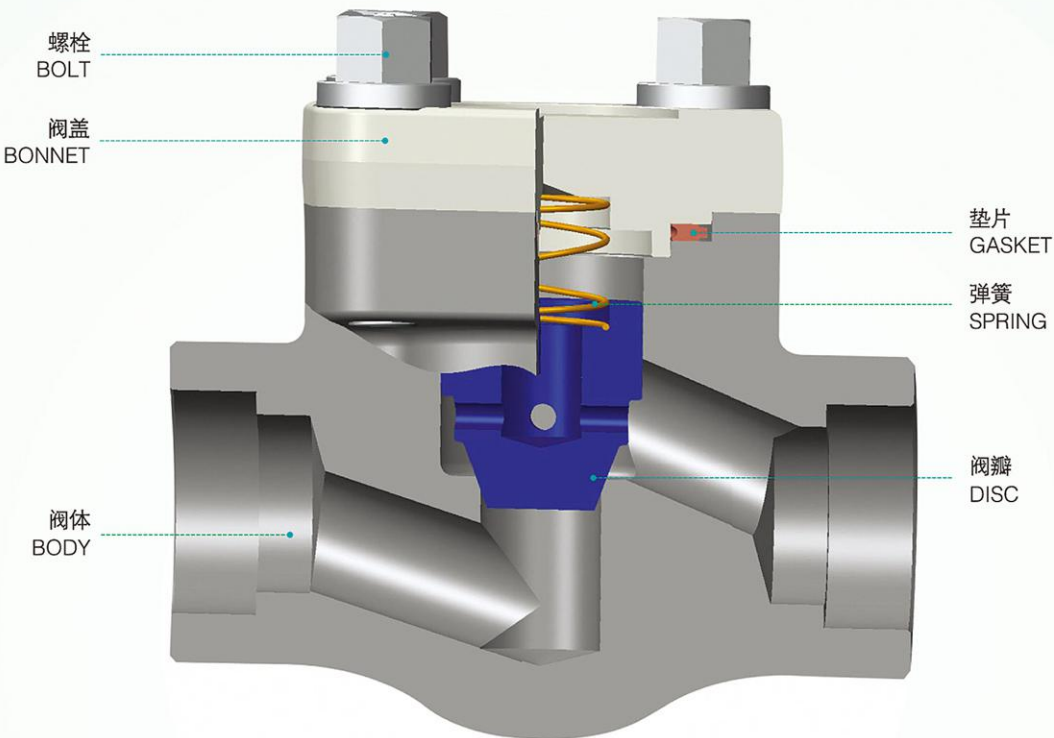
★ 连接端类型 End Connection: 法兰连接端 Flanged Type

★ 明杆支架, 阀盖螺栓连接 Outside Screw & Yoke, Bolted Bonnet

★ 缩径 Reduce Bore

★ 升杆式/非上升手轮 Rising Stem / Non-Rising Handwheel





斯嘉达 锻钢止回阀有三种阀盖设计形式：

- (1) 螺栓式阀盖，其阀体与阀盖用螺栓连接，缠绕式垫片(304夹柔性石墨制造)密封。根据客户要求可采用金属环连接；
- (2) 焊接式阀盖，其阀体与阀盖用螺纹连接，全焊密封；
- (3) 压力自紧式阀盖，其阀体与阀盖用螺纹连接，内压自密封环密封。

锻钢止回阀存在三种不同的设计结构，它们是升降式止回阀、球式止回阀和旋启式止回阀。

STAVAL forged steel check valve is available in three kinds of bonnet designs:

(1) Bolted Bonnet: The body and bonnet is connected by bolts with spiral wound gasket (304+graphite) or metal rings sealed.Metal ring connected is available on customer' s request;

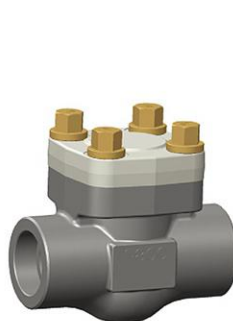
(2) Welded Bonnet: The body and bonnet is screwed and sealed by welding;

(3) Pressure Sealed Bonnet: The body and bonnet is screwed and sealed by inside pressure self-sealed ring.

The check valves are designed with three different kinds of structure. They are Lift Check Valve, Ball Check Valve and Swing Check Valve.

FORGED STEEL LIFT CHECK VALVE – Bolted Cover

锻钢升降式止回阀 – 螺栓固定盖



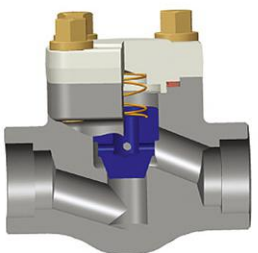
材料标准 STANDARD MATERIALS

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 A105+HF
阀瓣 DISC	ASTM A276 420
垫片 GASKET	304+GRAPHITE
螺栓 COVER BOLT	ASTM A193 B7

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

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, 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:
  - ★连接端类型 End Connection: 螺纹，承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded
  - ★螺栓固定盖 Bolted Cover
  - ★缩径 / 全径 Reduce Bore / Full Bore



压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 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

FORGED STEEL LIFT CHECK VALVE – Welded Cover

锻钢升降式止回阀 – 阀盖焊接连接



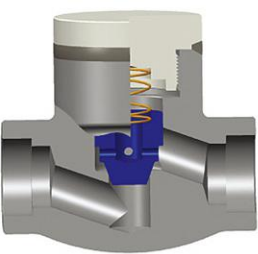
材料标准 STANDARD MATERIALS

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 A105+HF
阀瓣 DISC	ASTM A276 420

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

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, 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 500°C
- (5) 结构特征 Structure Features:
  - ★连接端类型 End Connection: 螺纹，承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded
  - ★阀盖焊接连接 Welded Cover
  - ★缩径 / 全径 Reduce Bore / Full Bore



压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 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
2500LB	9275			6800



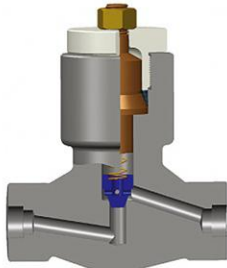
FORGED STEEL LIFT CHECK VALVE – Pressure-Seal Cover  
锻钢升降式止回阀 – 压力自紧式密封阀盖



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 A105+HF
阀瓣 DISC	ASTM A276 420
密封阀座 P.S SEAT	304SS

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



技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, 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 1500LB ~ 2500LB  
(4) 温度等级 Temperature Rating: Up to 500°C  
(5) 结构特征 Structure Features:  
★连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded  
★压力自紧式密封阀盖 Pressure-Seal Cover  
★缩径 / 全径 Reduce Bore / Full Bore

压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 CLASS	壳体 SHELL (psig)	上密封 BACKSEAT (psig)	阀座 SEAT (psig)	
	水 WATER	水 WATER	空气 AIR	水 WATER
1500LB	5575	-	-	4100
2500LB	9275			6800

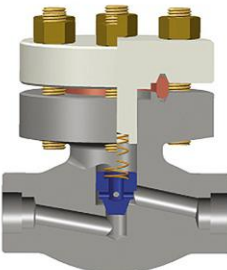
FORGED STEEL LIFT CHECK VALVE – Bolted Cover  
锻钢升降式止回阀 – 螺栓固定盖



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 A105+HF
阀瓣 DISC	ASTM A276 420
环垫 R-RING	304SS
螺栓 COVER BOLT	ASTM A193 B7

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

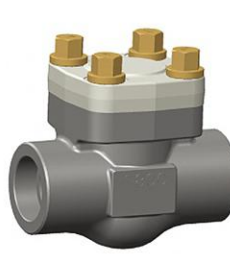


技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.11/B1.20.1/B16.25  
(2) 阀门尺寸 Valve Size: 1/2"~2"  
(3) 应用等级 Applicable Rating: Class 1500LB ~ 2500LB  
(4) 温度等级 Temperature Rating: Up to 500°C  
(5) 结构特征 Structure Features:  
★连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded  
★螺栓固定盖 Bolted Cover  
★缩径 / 全径 Reduce Bore / Full Bore

压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 CLASS	壳体 SHELL (psig)	上密封 BACKSEAT (psig)	阀座 SEAT (psig)	
	水 WATER	水 WATER	空气 AIR	水 WATER
1500LB	5575	-	-	4100
2500LB	9275			6800

FORGED STEEL BALL CHECK VALVE – Bolted Cover  
锻钢球式止回阀 – 螺栓固定盖



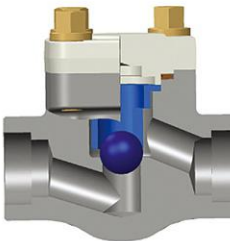
材料标准 STANDARD MATERIALS

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 A105+HF
球体 BALL	ASTM A276 316
垫片 GASKET	304+GRAPHITE
螺栓 COVER BOLT	ASTM A193 B7

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

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, 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:  
★连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded  
★螺栓固定盖 Bolted Cover      ★缩径 / 全径 Reduce Bore / Full Bore



压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 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

FORGED STEEL Y-CHECK VALVE – Bolted Cover  
锻钢Y型止回阀 – 螺栓固定盖



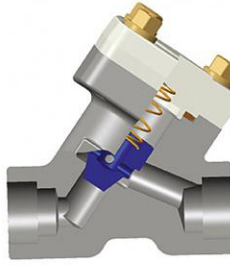
材料标准 STANDARD MATERIALS

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 A105+HF
阀瓣 DISC	ASTM A276 420
垫片 GASKET	304+GRAPHITE
螺栓 COVER BOLT	ASTM A193 B7

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

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, 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:  
★连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded  
★螺栓固定盖 Bolted Cover      ★缩径 / 全径 Reduce Bore / Full Bore



压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 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



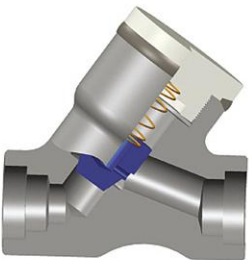
FORGED STEEL Y-CHECK VALVE – Welded Cover  
锻钢Y型止回阀 – 阀盖焊接连接



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 A105+HF
阀瓣 DISC	ASTM A276 420

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)				
磅级 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
2500LB	9275			6800

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, 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 500°C  
(5) 结构特征 Structure Features:  
★连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded  
★阀盖焊接连接 Welded Cover  
★缩径 / 全径 Reduce Bore / Full Bore

FORGED STEEL FLANGED LIFT CHECK VALVE – Bolted Cover  
锻钢法兰连接升降式止回阀 – 螺栓固定盖



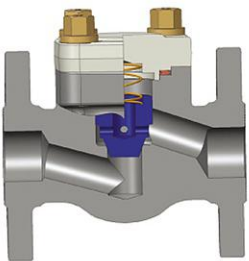
材料标准 STANDARD MATERIALS

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 A105+HF
阀瓣 DISC	ASTM A276 420
垫片 GASKET	304+GRAPHITE
螺栓 COVER BOLT	ASTM A193 B7

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

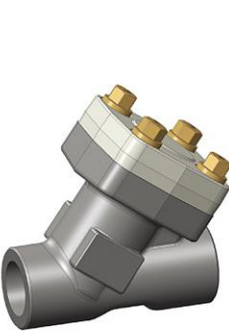
技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.5  
(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:  
★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



压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 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

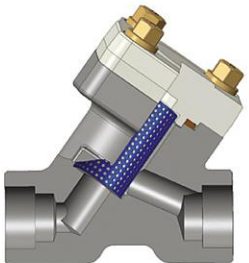
FORGED STEEL Y-TYPE STRAINER VALVE – Bolted Cover  
锻钢Y型过滤器 – 螺栓固定盖



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
垫片 GASKET	304+GRAPHITE
螺栓 COVER BOLT	ASTM A193 B7
滤网 FILTER SCREEN	ASTM A240 304

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)				
磅级 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

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, 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:  
★连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded  
★螺栓固定盖 Bolted Cover  
★缩径 / 全径 Reduce Bore / Full Bore

FORGED STEEL FLANGED LIFT CHECK VALVE – Bolted Cover  
锻钢法兰连接升降式止回阀 – 螺栓固定盖



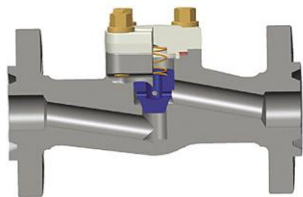
材料标准 STANDARD MATERIALS

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 A105+HF
阀瓣 DISC	ASTM A276 420
垫片 GASKET	304+GRAPHITE
螺栓 COVER BOLT	ASTM A193 B7

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

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.5  
(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:  
★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



压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 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



FORGED STEEL FLANGED LIFT CHECK VALVE – Bolted Cover  
锻钢法兰连接升降式止回阀 – 螺栓固定盖



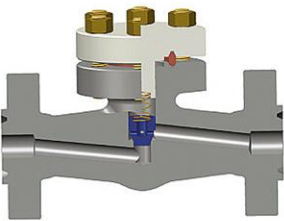
材料标准 STANDARD MATERIALS

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 A105+HF
阀瓣 DISC	ASTM A276 420
环垫 R-RING	304SS
螺栓 COVER BOLT	ASTM A193 B7

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

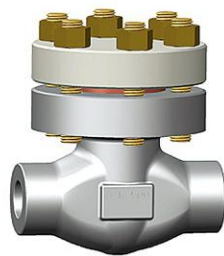
技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.5  
(2) 阀门尺寸 Valve Size: 1/2"~4"  
(3) 应用等级 Applicable Rating: Class 1500LB ~ 2500LB  
(4) 温度等级 Temperature Rating: Up to 500℃  
(5) 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



压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 CLASS	壳体 SHELL (psig)	上密封 BACKSEAT (psig)	阀座 SEAT (psig)	
	水 WATER	水 WATER	空气 AIR	水 WATER
1500LB	5575	-	-	4100
2500LB	9275			6800

FORGED STEEL SWING CHECK VALVE – Bolted Cover  
锻钢旋启式止回阀 – 螺栓固定盖



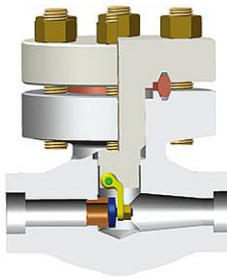
材料标准 STANDARD MATERIALS

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	304SS
螺栓 COVER BOLT	ASTM A193 B7
摇臂 ROCKER	ASTM A351 CF8

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

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, 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 1500LB ~ 2500LB  
(4) 温度等级 Temperature Rating: Up to 500℃  
(5) 结构特征 Structure Features:  
★ 连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded  
★ 螺栓固定盖 Bolted Cover      ★ 缩径 / 全径 Reduce Bore / Full Bore



压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 CLASS	壳体 SHELL (psig)	上密封 BACKSEAT (psig)	阀座 SEAT (psig)	
	水 WATER	水 WATER	空气 AIR	水 WATER
1500LB	5575	-	-	4100
2500LB	9275			6800

FORGED STEEL SWING CHECK VALVE – Bolted Cover  
锻钢旋启式止回阀 – 螺栓固定盖



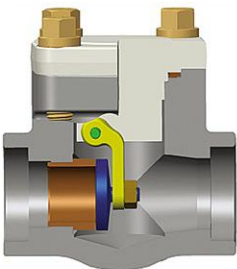
材料标准 STANDARD MATERIALS

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.

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, 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℃  
(5) 结构特征 Structure Features:  
★ 连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded  
★ 螺栓固定盖 Bolted Cover      ★ 缩径 / 全径 Reduce Bore / Full Bore



压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 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

FORGED STEEL SWING CHECK VALVE – Pressure-Seal Cover  
锻钢旋启式止回阀 – 压力自紧式密封阀盖



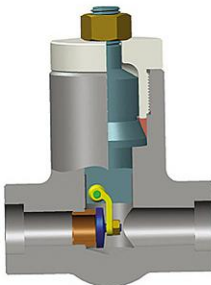
材料标准 STANDARD MATERIALS

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
密封阀座 P.S SEAT	304SS
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.

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, 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 1500LB ~ 2500LB  
(4) 温度等级 Temperature Rating: Up to 500℃  
(5) 结构特征 Structure Features:  
★ 连接端类型 End Connection: 螺纹, 承插焊或对焊连接端 Threaded, Socket-Welded or Butt-Welded  
★ 压力自紧式密封阀盖 Pressure-Seal Cover      ★ 缩径 / 全径 Reduce Bore / Full Bore



压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 CLASS	壳体 SHELL (psig)	上密封 BACKSEAT (psig)	阀座 SEAT (psig)	
	水 WATER	水 WATER	空气 AIR	水 WATER
1500LB	5575	-	-	4100
2500LB	9275			6800



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

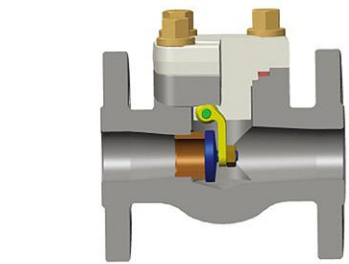
注释NOTE: ① A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconel; Monel; Hastelloy; etc.

技术参数 SPECIFICATIONS

- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.5
- (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:
- ★ 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



压力试验 ( A105 ) PRESSURE TEST ( A105 )				
磅级 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

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

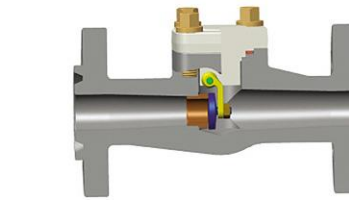
注释NOTE: ① A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconel; Monel; Hastelloy; etc.

技术参数 SPECIFICATIONS

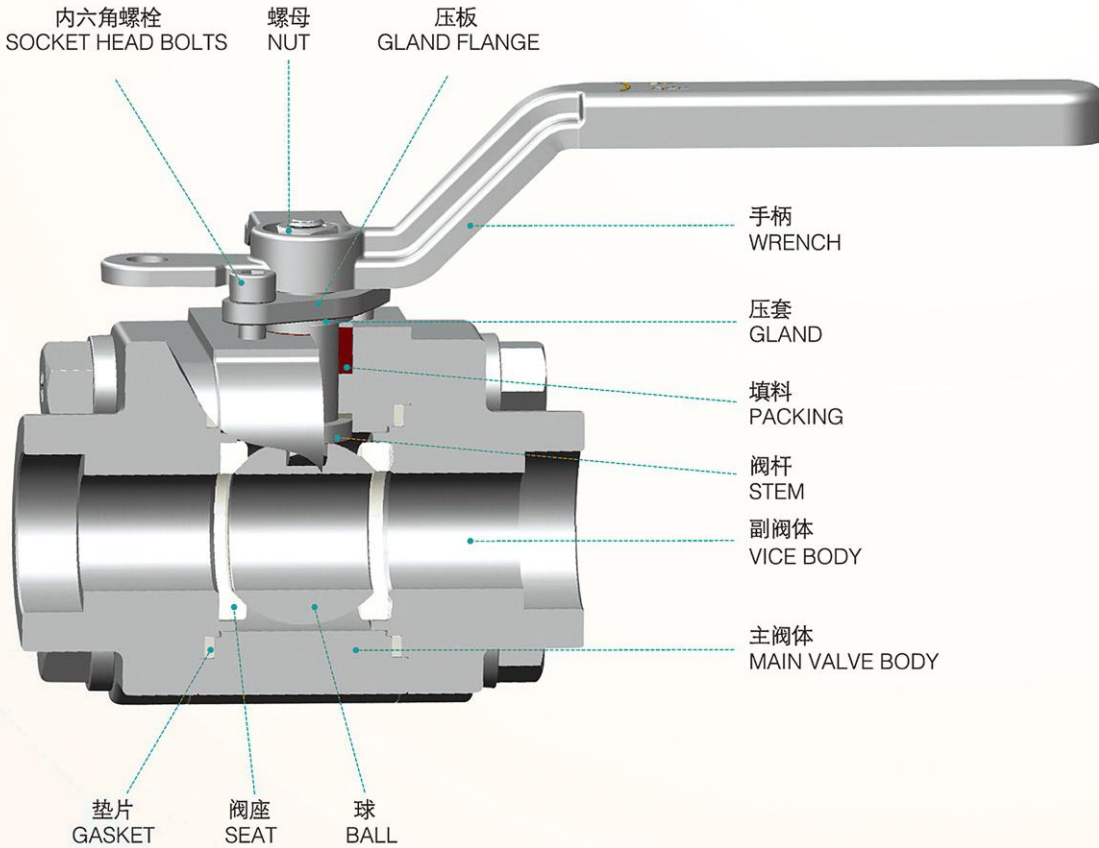
- (1) 设计制造标准 Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.5
- (2) 阀门尺寸 Valve Size: 1/2"~4"
- (3) 应用等级 Applicable Rating: Class 150LB ~ 1500LB
- (4) 温度等级 Temperature Rating: Up to 500°C
- (5) 结构特征 Structure Features:
- ★ 连接端类型 End Connection: 法兰连接端 Flanged Type

★ 螺栓固定盖 Bolted Cover

★ 缩径 Reduce Bore



压力试验 ( A105 ) PRESSURE TEST ( A105 )				
磅级 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



斯嘉达 锻钢球阀有两种阀盖设计形式:

- (1) 二片式结构, 其中部螺纹连结, 以RPTFE或PEEK密封;
- (2) 三片式结构, 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。

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

- (1) 2 Piece structure: Threaded bonnet, RPTFE or PEEK sealed;
- (2) 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.	

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片式体型 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 ★缩径 / 全径 Reduce Bore / Full Bore  
★防火结构 Fire Safety Construction (API 607) ★手动操作 Manual Operating

压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 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	-	90	325
300LB	1125			825
600LB	2225			1650
800LB	2975			2175
900LB	3350			2450
1500LB	5575			4100

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.	

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片式体型 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 ★缩径 / 全径 Reduce Bore / Full Bore  
★防火结构 Fire Safety Construction (API 607) ★手动操作 Manual Operating

压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 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	-	90	325
300LB	1125			825
600LB	2225			1650
800LB	2975			2175
900LB	3350			2450
1500LB	5575			4100

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.	

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/B16.5  
(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片式体型 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 ★缩径 / 全径 Reduce Bore / Full Bore  
★防火结构 Fire Safety Construction (API 607) ★手动操作 Manual Operating

压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 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	-	90	325
300LB	1125			825
600LB	2225			1650
800LB	2975			2175
900LB	3350			2450
1500LB	5575			4100

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.	

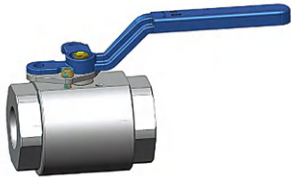
技术参数 SPECIFICATIONS

- (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片式体型 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 ★缩径 / 全径 Reduce Bore / Full Bore  
★防火结构 Fire Safety Construction (API 607) ★手动操作 Manual Operating

压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 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	-	90	325
300LB	1125			825
600LB	2225			1650
800LB	2975			2175
900LB	3350			2450
1500LB	5575			4100
2500LB	9275			6800



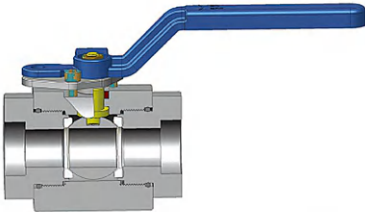
FORGED STEEL SIDE ENTRY BALL VALVE – Free Floating Ball (3 Piece)  
锻钢侧入口球阀–三片式自由浮动式



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.

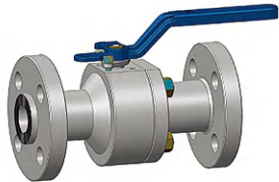


压力试验 ( A105 ) PRESSURE TEST (A105)				
磅级 CLASS	壳体 SHELL (psig)	上密封 BACKSEAT (psig)	阀座 SEAT (psig)	
	水 WATER	水 WATER	空气 AIR	水 WATER
150LB	450	-	90	325
300LB	1125			825
600LB	2225			1650
800LB	2975			2175
900LB	3350			2450
1500LB	5575			4100
2500LB	9275			6800

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: Up to 250°C
- (5) 结构特征 Structure Features: ★3片式体型 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)
  - ★缩径 / 全径 Reduce Bore / Full Bore
  - ★手动操作 Manual Operating

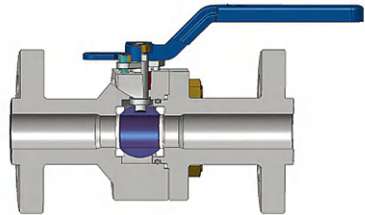
FORGED STEEL SIDE ENTRY BALL VALVE – Free Floating Ball (2 Piece)  
锻钢侧入口球阀–两片式自由浮动式



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
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)				
磅级 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	-	90	325
300LB	1125			825
600LB	2225			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/B16.5
- (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片式体型 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)
  - ★缩径 / 全径 Reduce Bore / Full Bore
  - ★手动操作 Manual Operating