

# SFBO 釜底阀

The SFBO Tank bottom valve is a special shut-off valve mainly used for the bottom of various storage containers. It can be customized to meet the special requirements of users.

SFBO 釜底阀是一种专用的关断阀，主要用于各种储存容器的底部，也可根据用户的特殊要求提供非标设计产品。



## Feature 功能

- The valve body is an integral Y-shaped structure, and the channel flow is linear without dead angle design. The valve body is sandblasted or polished to reduce the pressure drop loss.  
阀体整体式 Y 形结构，通道采用流线型无死角设计，并做喷砂或抛光处理，减少压降损失
- Sealing side surfacing welding or spraying carbide, extending the service life of the valve.  
密封面堆焊或喷涂硬质合金，延长阀门的使用寿命
- The spool has self-centering characteristics, reliable sealing performance.  
阀芯自定心特性，密封性能可靠
- The conical structure of the seat ensures the sealing while preventing the residual of the medium.  
阀座锥形结构，在保证密封的同时防止介质残留
- The dynamic load structure of bolt and butterfly spring makes the packing has good sealing performance when the temperature and pressure change.  
螺栓 + 蝶簧动态载荷结构，使填料在温度、压力变化时依然保证良好密封性能

## Technical Specification 技术规格

- |                            |                                                               |
|----------------------------|---------------------------------------------------------------|
| ■ Type<br>类型               | Disc Rising 上展式釜底阀<br>Disc Lowering 下展式釜底阀                    |
| ■ Size<br>尺寸               | NPS 1/2 ~ NPS 14 ;<br>DN15 ~ DN350                            |
| ■ Pressure<br>压力           | Class 150 ~ Class 300<br>PN10 ~ PN25                          |
| ■ Design Standards<br>设计标准 | ASME B16.34                                                   |
| ■ End Connections<br>端部连接  | Flange, Butt welding<br>法兰, 对焊                                |
| ■ Body Material<br>阀体材质    | Carbon Steel, Alloy Steel,<br>Stainless Steel<br>碳钢, 合金钢, 不锈钢 |
| ■ Packing<br>填料            | PTFE, Graphite<br>聚四氟乙烯, 石墨                                   |
| ■ Seat Leakage<br>阀座泄漏     | API 598                                                       |

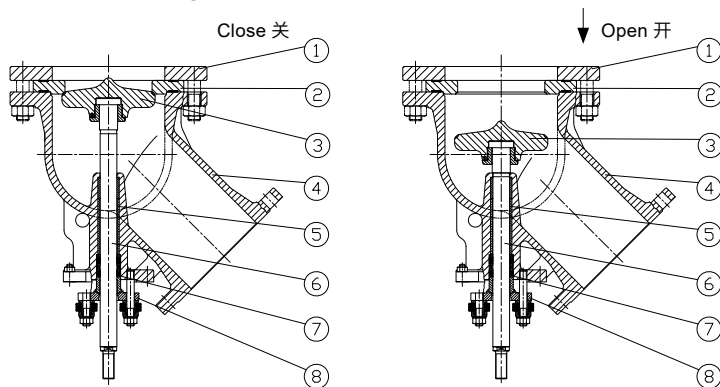
# Structural Principles 结构原理

## Disc Lowering Type Tank Bottom Valve 下展式釜底阀

The Disc Lowering structure opens when the disc goes down, and the disc always moves inside the valve body whether the valve is opened or closed. The valve is normally in close position.

下展式则为阀杆上升，阀门关闭，即阀门开关时，阀瓣在阀体内部动作。正常情况下阀门都为常闭状态。

### Section Drawing 剖面图



Lowering into tank bottom valve Structure 下入罐底阀结构

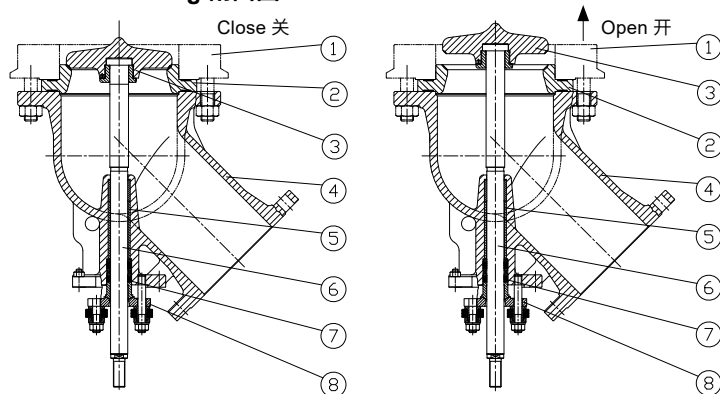
- ① Flange 法兰 ② Seat 阀座
- ③ Disc 阀瓣 ④ Body 阀体
- ⑤ Guide Sleeve 导套 ⑥ Stem 阀杆
- ⑦ Gland Packing 压盖填料 ⑧ Gland 压盖

## Disc Rising Type Tank Bottom Valve 上展式釜底阀

A Disc Rising structure opens when the disc goes up, and the valve disc moves between the valve body and the tank body. When the valve is fully open, the disc extends into the tank body.

上展式结构为阀杆上升，阀门开启，即阀门开关时阀瓣在阀体与罐体之间动作，阀门全开时，阀芯是延伸到罐体内。

### Section Drawing 剖面图



Opening into tank bottom valve structure 开启进入罐底阀结构

- ① Flange 法兰 ② Seat 阀座
- ③ Disc 阀瓣 ④ Body 阀体
- ⑤ Guide Sleeve 导套 ⑥ Stem 阀杆
- ⑦ Gland Packing 压盖填料 ⑧ Gland 压盖

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