

## Hydraulic-controlled Check Butterfly Valve



### 1. Product profile:

The hydraulic-controlled slow-closing check butterfly valve series products are widely used in water conservancy, thermoelectricity, water supply and drainage, chemical, metallurgy and other pumping stations. Mainly installed in the pump outlet, replace the function of check valve and gate valve. When working, the valve works with the pump, according to the pre-set procedure, the two-stage shutoff valve is divided into fast closing and slow closing, which effectively eliminates and suppresses the pipe water hammer. It is an ideal equipment for ensuring the safety and reliability of the pump unit and the pipe network system.

### 2. Product advantages

1. It can replace water pump outlet globe valve and check valve, combine machine, electricity, liquid in one body, occupy a small area.
2. High degree of automation, local, remote and linkage control.
3. Plc intelligent control system or common relay system can be used in electrical system.
4. The hydraulic system motor has the advantages of low power, high working efficiency, good pressure keeping performance and long oil pump start-up interval.
5. The hydraulic system has the function of automatic holding pressure, the time of holding pressure is long, the starting interval of oil pump can be up to 500 hours.
6. Has obvious opening indication and mechanical limit adjusting mechanism, stroke device waterproof and dustproof design, stable performance, long service life.

7. The electric operation interface is humanized and diversified. It can design the common button type, text type, touch screen type, and can also design the newest man-machine operation interface according to the customer's needs.

### 3. Technical parameters

Nominal Diameter: DN100~4000

Nominal Pressure: PN2.5~PN64

Suitable Medium: clear water, sediment water, seawater, reservoir water, oil, Gas etc...

Medium Temperature:  $\leq 80$  °C

Valve Opening time: 3 - 120 seconds (adjustable)

Valve Closing time : 3 - 120 seconds (adjustable)

Power Supply: AC380V

Control Power Supply: AC220V, DC220V, DC110V or DC24V

Remote Control: open valve, shutoff valve, Stop ect...

Remote Signal: passive switching signal, 4~20MA analog valve position feedback signal

### MATERIAL SPECIFICATION

| Part Name    | Material                       |
|--------------|--------------------------------|
| Body         | Ductile Iron、 Carbon Steel     |
| Disc         | Ductile Iron、 Carbon Steel     |
| Shaft        | Stainless Steel                |
| Body Sealing | Stainless Steel                |
| Disc Sealing | NBR、 EPDM、 Graphite            |
| Packing      | V-type Sealing Rings、 Graphite |
| Wall Plate   | Carbon Steel                   |
| Heavy Hammer | Carbon Steel                   |

**Please Contact Factory for drawing when ordering !!!**