

## PTFE VALVE



ZCF15



ZCF25



ZCF32



ZCF25BF

### Feature of Valve Material

- ✓ Material of valve body, cap, core and pole: brand new PTFE resin.
- ✓ Sealing material: high tech sealing part, anti-corrosion for strong acid, strong alkali, strong oxidant and organic solvent
- ✓ The unique patent design piston to replace the membrane sheets.
- ✓ Fluid and metal parts (pluger, spring) have no direct contact, that means the fluid only contact with the plastics parts such as CPVC, PTFE, O-ring, which is anti-corrosive absolutely.
- ✓ Push-in type sealing structure, more reliable sealing properties.

### Outstanding Chemicals Resistance

- ✓ PTFE is always stable almost for any chemicals such as strong acid (98% H<sub>2</sub>SO<sub>4</sub>), HNO<sub>3</sub>, HCL and its weights and performance has no any change even if it is boiled in the aqua fortis.
- ✓ PTFE has the properties of no damping and FR as well as it is also stable for oxidant and UV light, therefore it is climate resistance, anti-oxidant, anti-stain and fragilization resistance.
- ✓ No pollution, no toxic, no odor, high purities and chemical inerthness, it will have no any effect on the fluid medium.
- ✓ Wide Temperature application range: -50°C~+200°C

### Technical Specification

| Model                | ZCF15                       | ZCF20 | ZCF25 | ZCF32                     | ZCF40  | ZCF50                      | ZCF65  |
|----------------------|-----------------------------|-------|-------|---------------------------|--------|----------------------------|--------|
| Orifice (mm)         | 15                          | 20    | 25    | 32                        | 40     | 50                         | 60     |
| CV Value             | 4                           | 5.5   | 13    | 17                        | 25     | 40                         | 62     |
| Connection Port      | 1/2"                        | 3/4"  | 1"    | 1 1/4"                    | 1 1/2" | 2"                         | 2 1/2" |
| Fluid Medium         | Acid & alkali (gas, liquid) |       |       |                           |        |                            |        |
| Working Temperature  | Max. +180°C                 |       |       |                           |        |                            |        |
| working Pressure     | 0.01~0.6(MPa)               |       |       |                           |        |                            |        |
| Compressive Strength | 1.0(MPa)                    |       |       |                           |        |                            |        |
| Seal                 | FKM, VITON                  |       |       |                           |        |                            |        |
| Voltage              | AC220V                      | 15W   |       | Start : 200W<br>Keep : 5W |        | Start : 350W<br>Keep : 10W |        |
|                      | DC24V                       | 16W   |       | 28W                       |        | Start : 75W<br>Keep : 25W  |        |