

# PTFE

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Сургут (3462)77-98-35  
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## full coated ptfе lug type butterfly valve



Full coated ptfе lug type butterfly valve, which can be used in water, chemical and paper producing project.

### Details

#### Technical Specification:

**Nominal Diameter:** DN40-DN1200

**Valve Design:** BS EN593/BS5155/API609/DIN3354

**Face to Face:** ISO 5752-20/BS EN558-20/API609

**Flange Drilling:** ASME B16.1 Class125/ASME B16.5 CL150/ASME B16.47 CL150/ DIN 2501  
PN10-16/EN1092 PN10-16/JIS10K

**Hydraulic Test:** EN12266-1/API 598/ISO5208/JIS B2003

**Shell Test Pressure:** 24 bar/15 bar

**Sealing Test Pressure:** 17.6 bar/11 bar

# Advantages of a Butterfly Valve

Butterfly valves are similar to ball valves but have more advantages. They are open and close very quickly when actuated pneumatically. The disc is lighter than a ball, and the valves require less structural support than a ball valve of comparable diameter. Butterfly valves are very precise, which makes them advantageous in industrial applications. They are quite reliable and require very little maintenance.

1. Turning on/off easily and rapidly with less force. Having less fluid resistance and can be operated frequently.
2. Simple structure, small size, and short face to face dimension, which suitable for large diameter valves.
3. It can be used for transmitting mud, less liquids are stored at apertures of pipe.
4. Long service life. Standing the test of tens of thousands of opening/closing operations.
5. Butterfly valves have excellent regulation performance.
7. Small torque. The pressure on discs at the two sides of the spindle is almost equal, causing contrary torque. Thereby, the valves can be opened with less force.
8. Sealing face is generally med of rubber or plastic. So the butterfly valves can be with good sealing under low pressure.

## Material List:

### 1. Body:

- Cast Iron: ASTM A126 CL.B/ DIN1691 GG25
- Ductile Iron: ASTM A536 60-40-18/ DIN1693 GGG40
- Carbon Steel: ASTM A216 WCB
- Stainless Steel: ASTM A351 CF8/CF8M
- Bronze AL-Bronze: ASTM B148 C954

### 2. Disc:

- Ductile Iron: ASTM A536 60-40-18/ DIN1693 GGG40
- Carbon Steel: ASTM A216 WCB
- Stainless Steel: ASTM A351 CF8/CF8M
- Bronze AL-Bronze: ASTM B148 C954
- Coating: PTFE

### 3. Stem:

- Stainless Steel: ASTM A182 304/316/410
- Alloy: Monel K500

### 4. Seat:

- PTFE -10°C-150°C

### 5. Bushing: PTFE/Bronze

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