

# Primary Butterfly Valve



## Series 111

### Standard Specifications

Valve Design: EN593, API 609  
Face to Face: EN558 series 20  
Flange: ANSI B16.5, EN1092, JIS B2220  
Inspection & Testing: API 598, EN12266  
Mounting Flange: ISO 5211

### Product Range

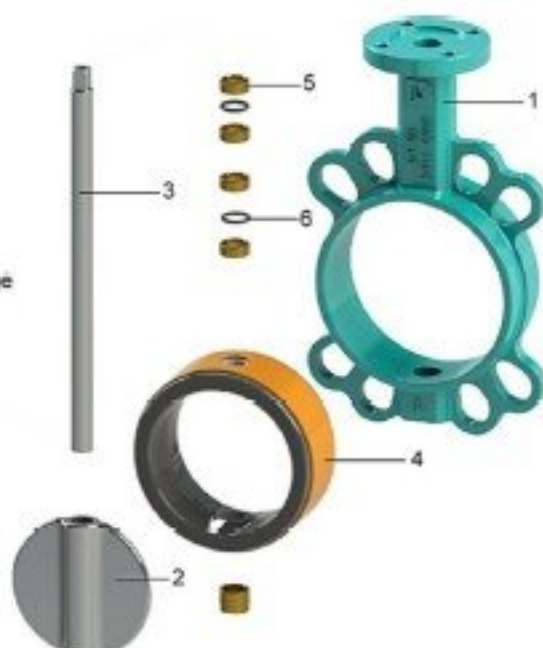
Body Configurations: Water, Lug and U type Flange  
Valve Size: 111W/111U DN40~1200 (1-1/2"~48")  
111L DN25~800 (1"~32")  
Rating: PN16 DN40-300  
PN10 DN350-1200

### Operator Available

Lever Handle, Gear Operator, Pneumatic and Electric Actuators

### Disc/Stem Connection

P type: Pin connection  
S type: Splined connection  
T type: Two pieces shafts



## Material Specification

| Item | Parts   | Material        | Specification                                |
|------|---------|-----------------|----------------------------------------------|
| 1    | Body    | Cast Iron       | GG25, A126-B                                 |
|      |         | Ductile Iron    | GGG40, A536                                  |
|      |         | Carbon Steel    | GS-C25, A216-WCB                             |
|      |         | Stainless Steel | 1.4404, 1.4408, A351-CF8, A351-CF8M          |
| 2    | Disc    | Ductile Iron    | GGG40, A536 - Nylon/Teflon coating available |
|      |         | Aluminum Bronze | C954                                         |
|      |         | Stainless Steel | 30304/316                                    |
|      |         | Duplex          | Duplex 2205/2507                             |
| 3    | Shaft   | Stainless Steel | AISI 420/431/304/316                         |
|      |         | Duplex          | Duplex 2205/2507                             |
| 4    | Seat    | EPDM            | Ethylene Propylene Diene Monomer rubber      |
|      |         | BUNA N (NBR)    | Nitrile Butadiene Rubber                     |
|      |         | FPM             | Fluorocarbon Rubber                          |
|      |         | CR (Neoprene)   | Chloroprene Rubber                           |
|      |         | PTFE            | Polytetrafluoroethylene                      |
| 5    | Bushing | PTFE            |                                              |
|      |         | Bronze          |                                              |
| 6    | O-ring  | EPDM            |                                              |