

REFRACTORY LINED BUTTERFLY VALVE

Size - To Suit Customer Requirements

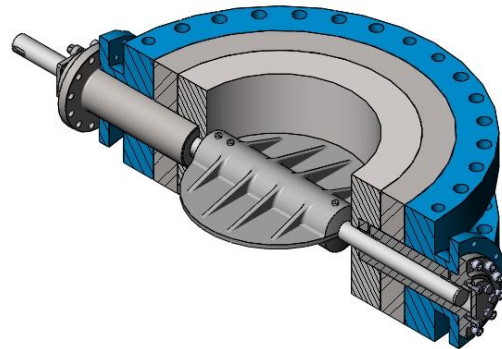
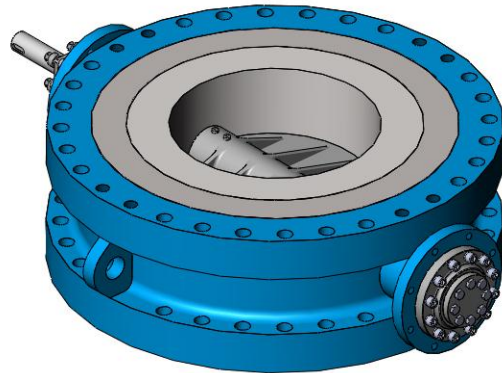
Leeds Valve are world leaders in the manufacture and supply of butterfly valve solutions for niche applications in many diverse industries including oil and gas, LNG, power generation, industrial gas and naval marine, in materials from carbon steel to aluminium bronze, stainless steel and titanium.

Description

The Leeds Valve Company has specialized for more than thirty years in the Butterfly Valves for control of hot media. Our experience in refractory lined valves has been from low /negligible pressure to high pressures. All the valves are designed to meet the clients specifications and sizes can suit most pipeline bores and flanges.

For temperature above 1000°C or where higher pressures are involved, special materials and designs are available. Please contact our technical sales office with your specific requirements.

For services where refractory lining is not acceptable or desirable, valves totally manufactured in special alloys can be supplied from 50mm upwards.



Materials

Description	Material			
	Up to 600°	600°C - 800°C	800°C - 1000°C	1000°C - 1200°C
Body	Carbon Steel (Cast or Fabricated)			
Disc	Heat Resisting Cast Iron	Stainless Steel	37 Nickel 18 Chrome Alloy Steel	Alloy 22H
Shaft	Stainless Steel	Stainless Steel	Incoloy DS	Alloy 22H
Pins	Stainless Steel	Stainless Steel	Incoloy DS	Alloy 22H
Lining	To suit temperature and media or clients specifications			
Bearings	Ni Resist	Ceramic		
Bearing Carriers	Heat Resisting Cast Iron	Stainless Steel	37 Nickel 18 Chrome Alloy Steel	Alloy 22H
Packings	Graphite	Graphoil		
Gasket	Graphite			

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Technical Standards

- **Design:** API 609, BS 5155, MSS SP68
- **Pressure Testing:** API 598, BS 6755 Part 1, FCI 70-2
- **Wall Thickness:** ANSI B16.34
- **Face To Face Dimensions:** Depending on Temp / Press design requirements
- **Quality Assurance:** ISO 9001:2008

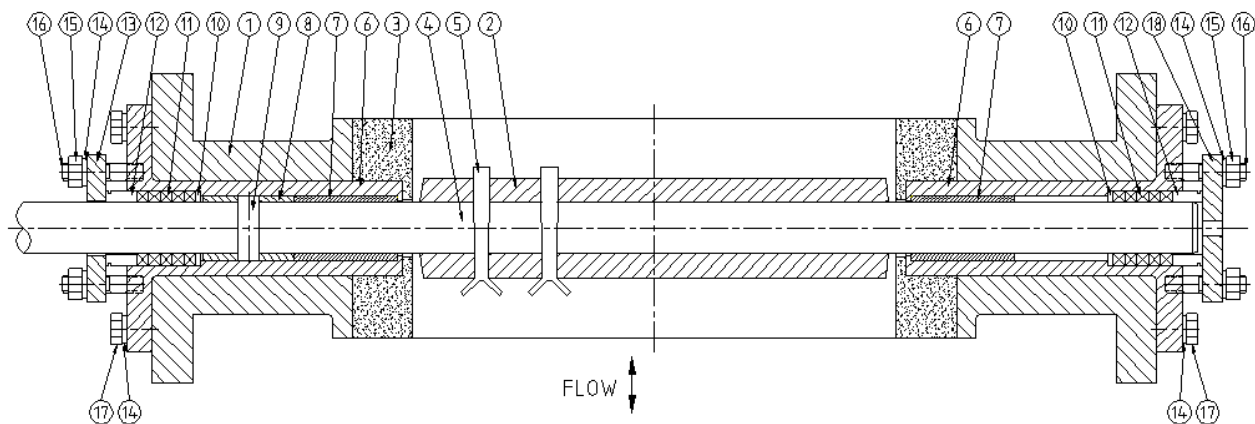
Parts

Item	Description	Qty
1	Body	1
2	Disc	1
3	Refractory Lining	1
4	Shaft	1
5	Taper Pin*	2
6	Bearing Carrier	2
7	Bearing*	2
8	Collar	1
9	Collar Pin	1

Item	Description	Qty
10	Gland Ring	2
11	Packing Rings	2 Sets
12	Gland Follower	2
13	Gland Plate	1
14	Spring Washer*	32
15	Hex Head Nut*	8
16	Engineers Stud*	8
17	Hex Head Screw*	8
18	Anti Blow-out Gland Plate	1

Valve in closed position

* Quantity may differ between sizes



All dimensions / weights are approximate. The information on this data sheet is accurate to the best of Leeds Valve's knowledge; however we reserve the right to alter the product specification at any time.