Everest Valve Company is dedicated to engineering and fabricating valves for demanding customer specifications including:

- Chemical Processing
- Refining
- Power Generation
- Pipeline
- Food Processing
- Manufacturing

Unlike most valve manufacturers, Everest does not stock a standard line that may have to be modified. Rather, we respond rapidly to exact customer needs and produce valves tailored precisely to the service application including:

- High and Low Temperature
- High Pressure
- Vacuum
- Severe Fluid Service

From order entry, through design, manufacturing, fabrication, and testing, our dedication is evident in producing high quality, application-specific valves for exacting customer specifications.

Butterfly Valves are simple flow control devices that use a pivoting disc to open, close, or throttle flow. Butterfly Valves provide trouble free service in many chemical, petro-chemical, water, and power generation industries. Everest Butterfly Valves are designed and manufactured to provide control and shutoff of flowing gases, liquids, or fluidized solids. These include Double Flange, Weld End, Lug and Wafer Type Valve Bodies.

Standards:
API 609, 598, 607
ASME B16.5, B16.34, B16.47(A & B), B31.1, B31.3, ETC.

Stainless Steel 316
Stainless Steel 304
Stainless Steel H Grades
Alloy 20
Duplex Stainless Steel
Ferrallum
Carbon & Alloy Steel
Hastelloy
Teflon
Grafoil
Gylon
Kel-F
Viton
Inconel
17-4PH Stainless Steel
Monel
Titanium
Various Alloy Grades
Cor-Ten Steel
Nickel Alloys
Chromel Moly
Or Customer Specs

Design Features
- Sizes from 2" to 144"
- Temperature rating – 325°F to 1800°F
- ANSI rating from 150# to 2500#
- Wafer Body, Lug Body, (RF of RTJ) flanged end, Weld ends

- Body and disc sealing areas precision machined, available with Stellite, Ultimate or other overlay
- Electric, pneumatic, or hydraulic actuators with positioners factory mounted or prepped for customer mounting

General Description
Control valves are made to our existing field tested proven design in a variety of materials such as Stainless Steel 316, 304 (A&H grades), Alloy 20, Duplex SS, Ferrallum, Carbon and Alloy Steel, Hastelloy, and Inconel in various grades or to customer specs. Metal-to-Metal Seating is available. We provide Teflon, Grafoil, Gylon or Ceramic Packing or to customer specs.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Part Name</th>
<th>Type of Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Valve Body</td>
<td>316 S/S</td>
</tr>
<tr>
<td>2</td>
<td>Disc</td>
<td>316L S/S</td>
</tr>
<tr>
<td>3</td>
<td>Shaft</td>
<td>316 S/S</td>
</tr>
<tr>
<td>4</td>
<td>Conn. Pins</td>
<td>316 S/S</td>
</tr>
<tr>
<td>5</td>
<td>Bushing</td>
<td>Nitronic-60</td>
</tr>
<tr>
<td>6</td>
<td>Packing</td>
<td>Grafoil</td>
</tr>
<tr>
<td>7</td>
<td>Packing</td>
<td>JC 1630G</td>
</tr>
<tr>
<td>8</td>
<td>Follower</td>
<td>304 S/S</td>
</tr>
<tr>
<td>9</td>
<td>Gland</td>
<td>304 S/S</td>
</tr>
<tr>
<td>10</td>
<td>Bearing</td>
<td>Dovre</td>
</tr>
<tr>
<td>11</td>
<td>Nonpower Saddle</td>
<td>C.S.</td>
</tr>
<tr>
<td>12</td>
<td>Operator Saddle</td>
<td>C.S.</td>
</tr>
<tr>
<td>13</td>
<td>Operator Mtg. Plate</td>
<td>C.S.</td>
</tr>
</tbody>
</table>
DESIGN FEATURES
- Sizes from 6" to 144"
- Temperature up to 1800°F
- Body Material - Carbon Steel, Chrome Moly, or SS
- Body Refractory Material - Vibe Cast RESCO 17EC, 7S etc.
- Seat Area Material - 304 H SST, 321H SST, etc.
- Disc Material - 304H SST, 321H SST, etc
- Disc & Seat Refractory RESCO AA-22
- Seat Purge Ports with manual purging ports
- Gekafoil packing, with purging ports
- Manual, pneumatic, or electric actuators

TYPICAL APPLICATIONS
Fluid Cat Cracking units, flue gas, hot air service

60" Refractory Lined Butterfly Valve (ERBD-1060W)
ANSI Leakage - Class II

DESIGN FEATURES
- Sizes from 12" to 144"
- Pressures, full vacuum to PSIG
- Temperature rating - 50°F to 450°F
- Disc seal - "J"Seal, Neoprene, Viton, EPDM
- Shaft Packing - Teflon non asbestos
- End Connections - Wafer body, Lug body, (RF or RTJ) Flanged ends, Weld ends
- Leakage - Bubble tight in both directions
- Manual, Pneumatic, or electric actuators

REACTOR LINED VALVES

Item No. Part Name Type of Mat
1 A Valve Body A 516 GR-70
1B Retainer Ring 316 S/S
1C St. Box 316 H S/S
2 Disc 316 H S/S
3 Shaft Inconel-718
4 Pin Inconel-718
5 Bushing Nitronic-60
6 Packing John Crane-1625
6A Packing Gekafoil
7 Packing Ceramic
7A Packing Ceramic
8 Follower 316 S/S
9 Glaze 316 S/S
10 Bearing Dodge LT-700
11 Bearing Saddle 304 S/S
12 Bearing Dodge SCM
13 Operator Saddle C.S.
13A Ref. Linig
17 Seal 316 S/S
18 Spacer 304 S/S

34"-150# Lug Type Butterfly Valve w/Teflon Coating and Pneumatic Actuator (EBV-1034L)
ANSI Leakage - Class VI

Item No. Part Name Type of Mat
1 Valve Body (A105)
2 Disc (A105)
2A Retainer Ring C.S.
3 Shaft 17-4PH S/S
4 Conv. Pins 17-4PH S/S
5 Bushing G.F. Teflon
6 Packing G.F. Teflon
7 Disc Seal G.F. Teflon
8 Follower 304 S/S
9 Glaze 304 S/S
10 Seat Seal Teflon Encapsulated
11 Bearing Saddle C.S.
12 Skewing Dodge
13 Operator Saddle C.S.
14 Gru. Mtg. Plate C.S.
16 Actuator Tyco
DESIGN FEATURES
- Basic materials to customer specs
- Sizes from 3” thru 96”
- ANSI rating from 150# to 2500#
- Operating temperatures from -325°F to 1800°F
- Fire Safe Design
- Wafer body, Lug body, (RF or RTJ) Flanged Ends, Weld ends
- Oversize high strength valve shafts
- Laminated Disk Seals - Teflon, Gylon, Graflo, or Customer Specs
- Packing - Teflon, Teflon & Gylon, Graflo,
  Ceramic or Customer Specs
- Body Seats - Stellite, Ultimate or other overlay
- Leak off port(s) on stuffing box(s) - optional
- Fugitive emission seals (Live Load)
- Leakage specification Class IV, V, VI or bubble tight
- Internal & external bearings
- Manual, pneumatic, or electric actuators

GENERAL DESCRIPTION
Our high performance Butterfly Valves as standard the use of Laminated Disc Seals for extra tight shut off and long cycle life. We use Teflon, Gylon, Graflo and Kel-F disc laminations and packing as standard or Will supply materials to customer requirements. The stuffing box is extra deep for double sets of packing with a lantern ring separation. A leak off point is provided in the packing area. Oversized valve shafts with internal and external bearings are standard. Valve trim is equal or better than body alloy, Stellite or ultimate hard facing is available.

TYPICAL APPLICATIONS
- 18” - 300# CHEMICAL Processing Plant – Chlorine and HCI Monel body Gylon seals 250°C
- 24” - 600# Crude Oil and Salt Water @ 1480 PSIG Bubble tight shut off both directions. Carbon Steel, w/ stainless trim
- 16” - 1500# RTJ Carbon Steel Body, SST trim class VI shut off with Graflo laminations and packing – Ammonia service
- 6” - 600# Chemical Processing Plant- Steam service carbon steel body, stainless trim, Graflo laminations and packing

DESIGN FEATURES
- Sizes from 3” to 72”
- Pressures ANSI 150# to 1500#
- Temperatures from ~325°F to 450°F
- Disc seal - Kel F or Metal to Metal
- Shaft Packing - Teflon

GENERAL DESCRIPTION
Cryogenic Butterfly Valves are made to our existing, field tested proven design in 304, 316 Stainless or customer specs. We use high strength extended Stainless shafts with Nitronic bearings and spacers for low temperature isolation. A high finish on the valve seat along with Kel-F laminated disc seal gives bubble tight sealing. Metal to metal seating or Laminated Disc Sealing is available. Teflon Packing with a deep stuffing box provides a leak tight shaft seal.

DISC SEALS & STEM PACKING
Teflon Disk and Stem Packing
-250°F to 450°F.
Gylon Disc, Gylon and Teflon Stem Packing
-20°F to 500°F
Graflo Disc and Stem Packing
-325°F to 1000°F
Kel-F Disc, Teflon Stem Packing
-325°F to 250°F
Ceramic Disc and Stem Packing
1000°F to 1800°F

Mailing Address:
P.O. Box 24295
Houston, TX 77229
www.everestvalveusa.com
P - 713.923.8696
info@everestvalveusa.com
F - 713.923.6270

Physical Address:
6612 Avenue U
Houston, TX 77011