HORIZONTAL SWING CHECK VALVE

DESIGN FEATURES

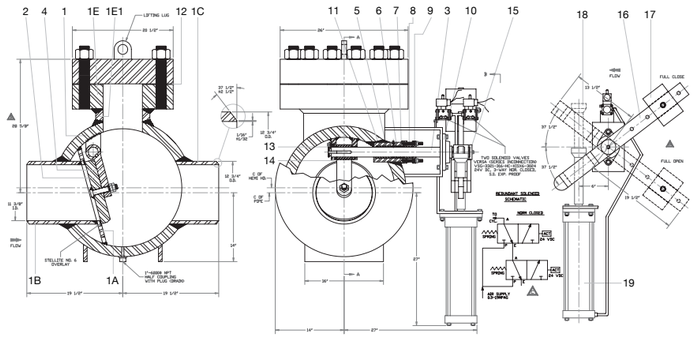
· Sizes 12” thru 24”… ANSI B16.5
22” and 26” thru 60”… MSS-SP-44
· Face to face and end to end dimensions conform to API Spec. 6D, Table 4.6 and ANSI B16.10 for sizes 12” thru 36”; over 36” size–consult factory
· Full bore per API Spec. 6D, Table 4.5

GENERAL DESCRIPTION

APPLICATIONS Pipeline transmissions & distribution, Flow line, Pump Stations, Metering Runs, Underground Storage, Water flood and General pipeline services.

DESIGN FEATURES · Full bore through conduit · Fabricated from wrought & forged steel components for maximum flow efficiency · Lightweight and low profile affords easy installation · Bolted bonnet cover provides easy access for maintenance · Field replaceable seat ring and clapper · Precision machined seating for metal–to–metal, metal–to–elastomer, or metal to Teflon · Lightweight clapper to minimize pressure drop and ensure scraper passage · Teflon impregnated stem bearings eliminate lubrication requirement · Adequate lifting lugs and feet afford easy installation

OPTIONAL FEATURES · Clapper position indicator · Slam retarder, spring loaded dashspot · Manual override for reverse flow, line testing and/or throttling · Stop check · Integral Bypass



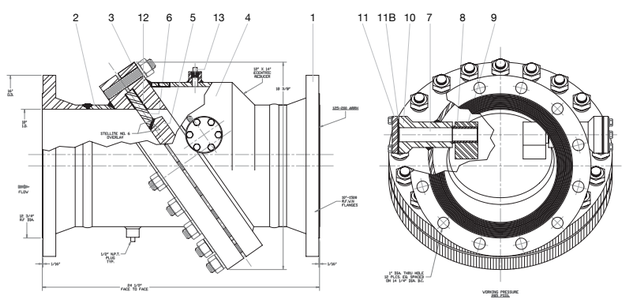
12” -2500# W.E. Swing Check Valve w/Counter (ECV-25012W)

Item No.	Part Name	Type of Mat’l
1	Valve Body	304H S/S
1A	Seat Ring	304H S/S
1B	Inlet Pipe	304H S/S
1C	Outlet Pipe	304H S/S
1E	Bonnet Flg.	304H S/S
1E1	Bonnet Flg. Ext.	304H S/S
2	Disc	304H S/S
3	Shaft	Inconel-718
4	Inside Lever	304H S/S
5	Bushing	Nitronic-60
6	Packing	J.C. 1625G
7	Packing	Grafoil
8	Follower	304 S/S
9	Gland	304 S/S
10	Bearing	Dodge
11	St. Box	304H S/S
12	Gasket	304H S/S w/Grafoil
13	Snap Ring	Nitronic-60
14	Hinge Bushing	Nitronic-60
15	Stop	C.S.
16	Outside Lever	C.S.
17	Counter Weight	C.S.
18	Cylinder Ext.	C.S.
19	Cylinder	Vickers

TILTING DISC CHECK VALVE

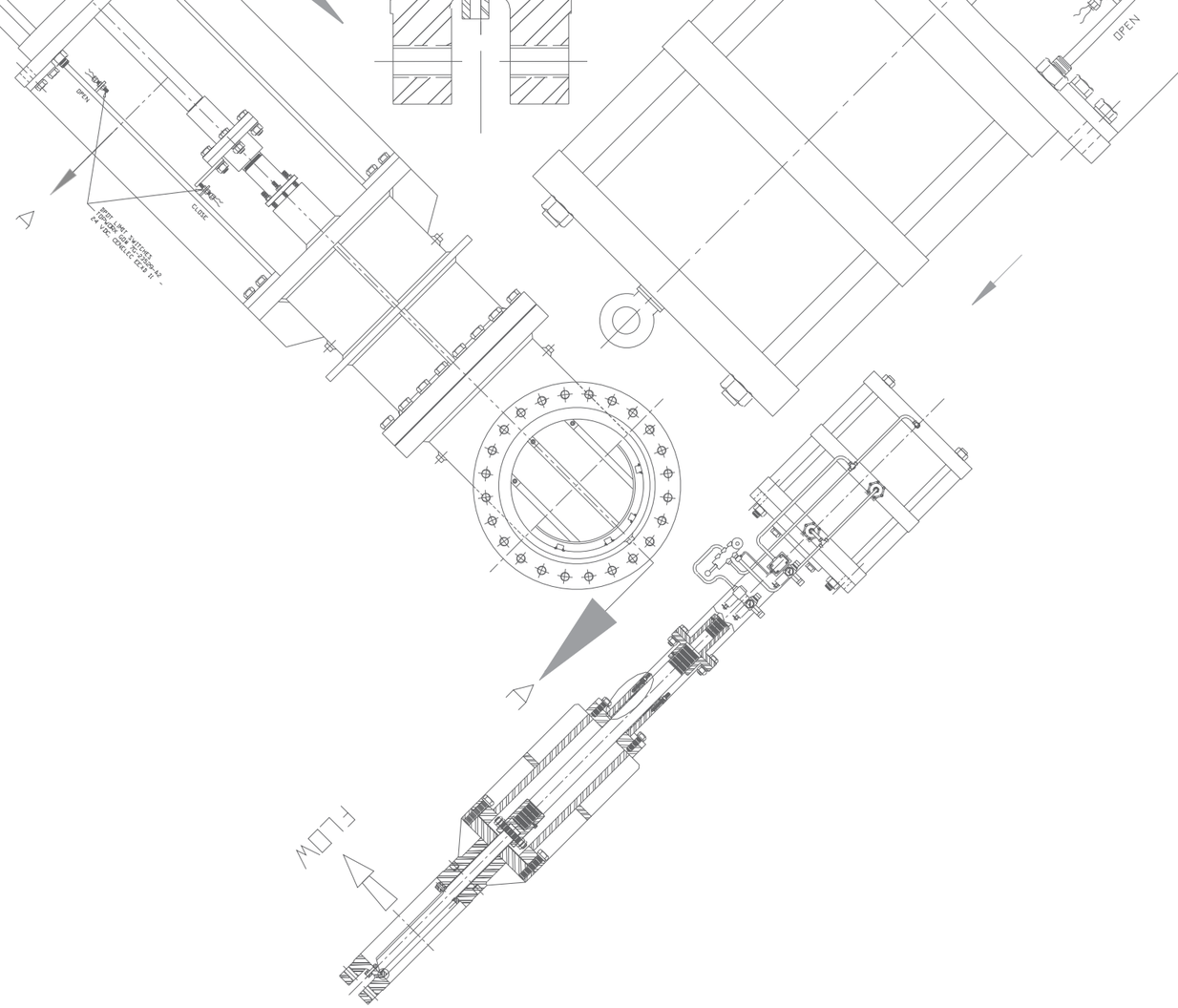
DESIGN FEATURES

· Sizes 3” to 48”
· Temperature range: 50°F to 1800°F
· Body and Disk Materials–Stainless steel 316,304, (& H grades), Alloy 20,Duplexx SS, Ferralium, Carbon and Alloy steel, Monel, Hastelloy, Inconel, etc
· Refractory material, (see refractory lined butterfly valves)
· Body and Seat areas–Precision machines available with Stellite, Ultimate or other overlay material
· Disc seal- metal to metal, Teflon, Viton, EPDM etc ·End connections–Wafer body, Lug body, (RF or RTJ) Flanged ends, weld ends
· Grafoil packing, Teflon non-asbestos or customer specs.



10” -150# R.F. Flanged Tilting Disc Check Valve (ETC-1010)

Item No.	Part Name	Type of Mat’l
1	Flanges	A105
2	Inlet Pipe	C.S.
3	Flanges	A516 GR-70
4	Outlet Pipe	C.S.
5	Disc	316 S/S
6	Seat Ring	316 S/S
7	Shaft	17-4PH S/S
8	Bushing	Nitronic-60
9	Connector	316 S/S
10	St. Box	C.S.
11	St. Box Cover	C.S.
11B	Gasket	Grafoil
12	Body Flg. Gasket	316 S/S
13	Plug	C.S.



GATE AND CHECK VALVES

EVEREST VALVE COMPANY

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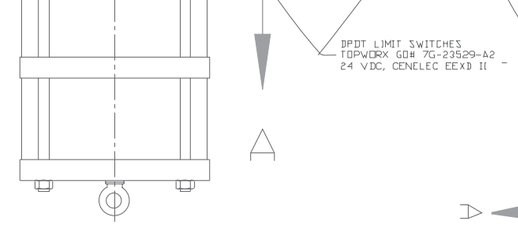
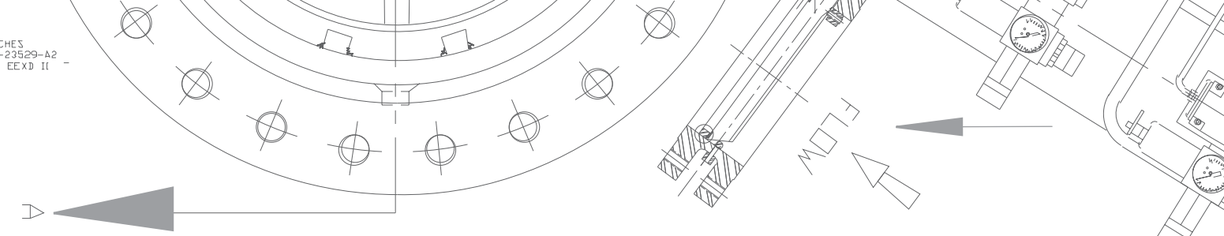
EVEREST VALVE
COMPANY





OUR MISSION

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.

APPLICATIONS

All of our products are manufactured for specific customer applications, using designs that have been proven successful in the most severe service. Our valves have been in wide use in Petro-Chem, Pipe Line, Refinery, Oil Field, Pulp & Paper, Power Plant, Chemical Processing, Manufacturing & Water industries. We supply products made from alloys (including exotic types), and sizes that are unavailable from the average valve manufacturer. You will find our quotations reasonable and our delivery rapid with guaranteed dates.

VALVE AND DISC MATERIALS

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

KNIFE GATE VALVES

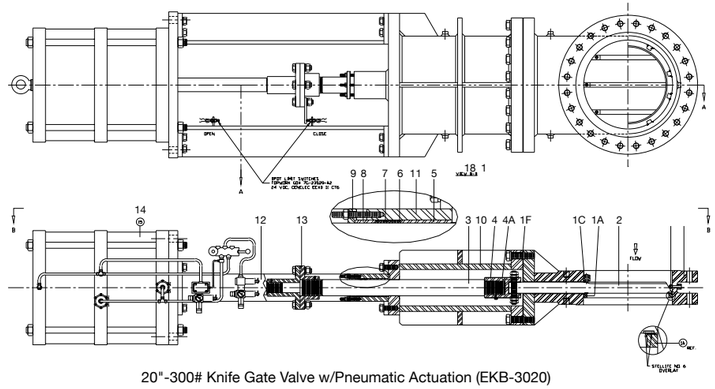
DESIGN FEATURES

- Sizes 4” to 96”
- Pressures:
  Bonnetless 150 PSI
  Bonneted up to 300# ANSI
- Temperature range: 50°F to 1800°F
- End Connections- Flanged end, Wafer type, Weld end
- These valves can be supplied with handwheeled-manual gear, hydraulic or electric motor operators

GENERAL DESCRIPTION

Knife Gate Valves provide positive, non-clogging shut off in paper pulp, slurry and suspended solid service. Generally, knife gate vales are used for one direction or uni direction flow, and both bonnetless and bonneted designs. All of which meet desired service needs as well as service for catalyst laden high temperature hydrocarbon flow.

Item No.	Part Name	Type of Mat'l
1	Valve Body	A516 GR-70
1A	Seat	316 S/S
1C	Wedge	316 S/S
1F	Scraper	Non-Asbestos
2	Gate	316 S/S
3	Shaft	17-4PH S/S
4	Gate to Shaft Conn.	316 S/S
4A	Connector Bolts	17-4PH S/S
5	Bushing	Nitronic-60
6	Packing	Graphite
7	Packing	Grafoil
8	Follower	304 S/S
9	Gland	304 S/S
10	Bonnet	C.S.
11	St. Box	C.S.
12	Yoke	C.S.
13	Connector	C.S.
14	Cylinder	Pneumatic



20"-300# Knife Gate Valve w/Pneumatic Actuation (EKB-3020)

SLIDE GATE & GUILLOTINE VALVES

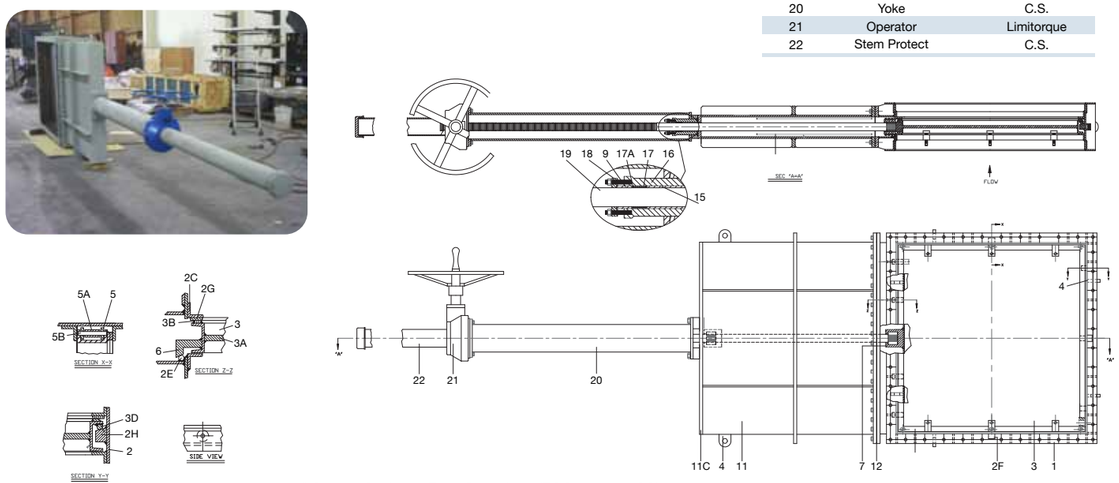
DESIGN FEATURES

- Sizes from 12” to 144” Diameter and up to 14 feet square or rectangle
- Pressures 0 to 5 psi
- Temperature Range - 50°F to 1450°F
- End Connections - Flanged
- Operators - These valves can be supplied with handwheel-manual gear, hydrolic or electric motor

GENERAL DESCRIPTION

Slide gate guillotine valves are used on low pressure flue gas or airflow service as a block off valve. They are available in bonneted or bonnetless design. Three styles of seat arrangement are available depending on the leakage specs requested by our customer. Guillotine valves are manufactured with a single or double seat arrangement to 1450 F temperature and 5 PSI pressure.

Item No.	Part Name	Type of Mat'l
1	Flange	C.S.
2	Body	A516-GR-70
3	Gate	C.S.
4	Lifting Lug	C.S.
5	Roller	316 S/S
6	Upper Wedge	C.S.
7	Gate Conn.	C.S.
9	Follower	304 S/S
10	Gate Guides	C.S.
11	Bonnet	A516-GR-70
12	Gasket	Garfoil
15	Bushing	Nitronic-60
16	St. Box	C.S.
17	Packing	Garfoil
18	Gland	304 S/S
19	Shaft	Nitronic-50
20	Yoke	C.S.
21	Operator	Limitorque
22	Stem Protect	C.S.



60” Square Guillotine Type Gate Valve (EGG-1060x60SQ)

DECOKING VALVES

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, Grafoil, or Customer Specs
- Packing - Teflon, Teflon & Gylon, Grafoil, 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 Decoking Valve is a true block and bleed valve for the toughest decoking applications. Using a unique wedge design dead tight seals are maintained between the double stellited discs and stellited body seats. Since the pressure chamber is built into the valve, the usual added chamber and the old two valve systems with it's excess piping, is replaced by one convienient economical Decoking Valve.

The Rectangular of the valve body & bonnet provides a sealed pressure chamber, between the two valve discs, which can be pressurized. This internal pressure adds to the tight disc seal and prevent leakage into the valve chamber, when internal pressure is higher than the line pressure. There is no possibility of process emissions across the entire valve.

The wiping action of the valve discs drops the coke fines into the bottom of the cavity in the pressure chamber. A blind flange is bolted to the bottom of the valve with a purge connection. When steam pressure is applied to the valve, the the bottom purge fitting is used to blow out the coke fines. When necessary, the bottom blank flange can be dropped to remove excess coke fines.

PATENTED DOUBLE WEDGE SEALING DESIGN
The heart of the valve is the unique double wdge seal. The shaft wedge forces the double disc against the body valve seats when closed. Separate wedges are built into the valve body forcing the double disc against the body seats giving wedging action on both the top and bottom of the valve seats when closed. At the same time the coke fines are wiped clear of the body seats and dropped into the pressure chamber.