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WEY® Knife Gate Valves – worldwide first choice

WEY® Knife Gate Valves are worldwide in service since decades. Their reliability is so outstanding as its competitiveness. The valves stand for bi-directional zero-leakage shut-off, qualify for most kind of fluids of various consistencies and have taken a leading international position due to their wide range of applications. WEY® Knife Gate Valves have proven records in wastewater treatment plants, in pulp and paper, food and beverage, chemical and Petrochemical industries, silo works and bulk material handling, mining and energy plants, in oil sand extraction and dust explosion prevention.

WEY® Water Control Gates – leading for decades

The right solution for all needs: The WEY® Water Control Gate range is so broadly conceived and flexible, that it can be adapted for all situations. Thanks to technical finesse, quality and diversity in service, our products have become the first choice in water and wastewater treatment, for collecting and retention basins, as well as for channel and pit construction. Also in focus the range of products for flood prevention and for water management. Self-energized designs are friendly to the environment and most economical.

WEY® Butterfly Valves – built to last

Regardless whether in public water supply or in industry: WEY® Butterfly and Check Valves, also when faced with difficult working conditions, perform best and with low maintenance. The design and choice of materials are based on longtime technical and field experience. With the wide and modular product range specific customer requests can be fulfilled.
RELIABLE AND INDESTRUCTIBLE

- Safe. 100% process capability thanks to bi-directional zero-leakage shut-off on pressure and vacuum.
- Reliable. Failure-free operation due to self-flushing, full-bore passage. Designed for perfect flow pattern with optimized gate edge geometry.
- Cost cutting. Low operating costs due to service optimized sealing, which can be repacked without removing the valve from the piping system.
- Customized. Solutions for most difficult applications.
- Conform. Plant safety by complying to the pressure equipment directive.

PROGRAM

- VN
- MF
- MG
- MH
- AO
- A3
- VK
- DP
- FA
- HD
- HSI
- VS
- VL
- DB
- Special solutions
**Actuator**

- Manuel
- Lever
- Manual/Gear
- Electric

- Pneumatic
- Oil hydraulic
- Manual emergency
- Chain wheel

**Application**

- **Wastewater**
  Municipal wastewater, Industrial wastewater, Sludge treatment, Shipbuilding

- **Industry and process technology**
  Chemical industry, Steelworks, Biomass, Food and Beverage, Oil/Gas, Pulp and paper, Drilling mud

- **Energy**
  Desulphurisation, Water treatment, Cooling water, Ash handling

- **Mining**
  Solid extraction, Sludge transport, Gravel treatment, Oilsand transport

- **Water**
  Water treatment, Water transport, Water intake from lake or river

- **Building service**
  Effluent, Process water, Potable water, HVAC industry

- **Others**

**Size**

DN50 – DN1400, larger size on request

**Seal**

NBR, EPDM, FPM, PUR, AFLAS, PTFE, Ceramic

**Flange drilling**

EN 1092, ASME B16.5/B16.47 class 150/300

**Material**

Cast iron EN-JL1040, Ductile iron EN-JS1030/1072, Cast steel, Stainless steel 1.4408, Duplex 1.4470, Titanium, Hastelloy, Aluminium, others

**Pressure rating / Vacuum**

10bar, 16bar, 25bar, 40bar, 100bar / to 10mbar absolute

**Temperature**

Minus 50 to 230°C at max. operating pressure
240 bis 400°C at atmospheric pressure
Rugged and smooth actuation

- Double tight. Higher performance than conventional designs due to double lip seal arrangement and double scrapers for bi-directional leak-tightness.
- Clean. Perfect flow regulating function and clean environment with a four sided seal system and a guided gate for the full stroke.
- Comfortable. Minimum operating force due to specific material selection with good gliding properties.
- Modular. Easy realisation of particular hydraulic flow design specifications thanks to modular construction.
- Corrosion resistant. Constructions comply to the C6-directive.

Program

- Sluice Gate Type 3
- Sluice Gate Type 4
- Weir Gate Type 3.5 and 4.5
- Sluice Gate Type 4.6
- Hand Stoplog Type 5.0
- Telescopic Valve Type 6.2
- Diverter Gate Type 6.3
- Flap Valve Type 6.4
- Flap Valve Type 6.4.1
- Radial Weir Gate Type 6.5
- Stoplog (Alu) Type 6.6
- Stoplog (SS) Type 6.7
- **Actuator**
  - Square Drive
  - Manual
  - Manual/Gear
  - Electric
  - Pneumatic
  - Oil hydraulic

- **Size / Pressure range**
  - Width up to 4 m, water column up to 10 m, larger size and dimension on request

- **Construction**
  - 3-side sealing, 4-side sealing

- **Installation**
  - Embedded, 2-sides anchored, 3-sides anchored, Channel mounting

- **Material**
  - Stainless steel 1.4404 and others

- **Profile shapes**
  - Straight and slant/circular bottom profile, profiled with channel profile, others

- **Application**
  - **Wastewater**
    - Municipal wastewater, Industrial wastewater, Water treatment plants, Surface water, Road wastewater, Extinguishing water
  - **Industry**
    - Retention basin, Collecting basin
  - **Potable water**
    - Water treatment
**Powerfull and capable**

- First class. Dynamical sealing system, low torque, absolutely tight.
- Steady. Vulcanized rubber body lining warrants for life.
- Well-priced. Designs with exchangeable body lining.
- High-performance. Metallic seated designs for highest demands.
- Complete. Wafer, lug-type, double flanged body with centric, eccentric or double eccentric disc arrangement: Quality from a single source.

**Program**

- TZ01
- EVS
- EVFS
- BV10
- BV12
- Dynaxe
- BV56
- RSK
- TK01
- ECV
- BV38
- BV39
- 7000
**Actuator**

- Manual/Worm Gear
- Manual/Cross head gear
- Lever
- Electric
- Pneumatic
- Extension spindle

**Size**

- DN32 – DN1000, larger size on request

**Temperature**

- Minus 10 to 540°C

**Application**

- **Water**
  - Water treatment, Water transport, Water intake from lake or river
- **Building service**
  - Effluent, Process water, Potable water, HVAC industry
- **Energy**
  - Desulphurisation, Water treatment, Cooling water
- **Wastewater**
  - Municipal wastewater, Industrial wastewater, Wastewater treatment plant, Domestic sewage, Shipbuilding
- **Industry and process technology**
  - Chemical industry, Steelworks, Biomass, Food & beverage, Oil/Gas
- **Others**

**Material**

- Cast iron, Ductile iron, Stainless steel 1.4408 and others, Elastomer and Teflon lined

**Pressure rating / Vacuum**

- 10bar, 16bar, 25bar, 40bar / to 10mbar

**Construction**

- Wafer type EN588-1 series 20, Semi-Lug EN588-1 series 20, Full-Lug EN588-1 series 20, Double flange with face-to-face acc. to ENS88-1 series 13, 14 and 20, Centric, Eccentric, Triple off-set
SISTAG sets standards

Real and highclass

- Real. Swiss design with own production facilities.
- Precise. State-of-the-art infrastructure and fully qualified specialists.

Inhouse design

Inhouse production

Inhouse assembly
Reliable and competent

- Reliable. Premium WEY® product quality for highest service reliability.
- Certified. External audited on international standards.
- Competent. Services, quick with no ifs or buts.