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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.

## WEY® Knife Gate Valves – worldwide first choice

### 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



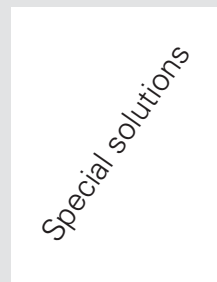
VS



VL



DB



## ■ Actuator



Manuel



Lever



Manual / Gear



Electric



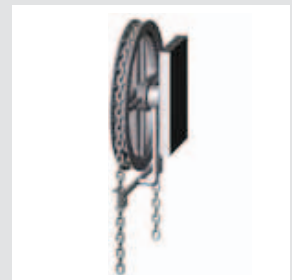
Pneumatic



Oil hydraulic



Manual emergency



Chain wheel

## ■ 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

## ■ 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

## WEY® Water Control Gates – leading since decades

### 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



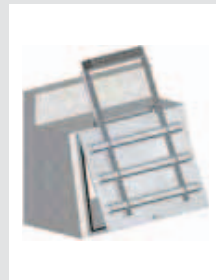
Hand Stoplog  
Type 5.0



Telescopic Valve  
Type 6.2



Diverter Gate  
Type 6.3



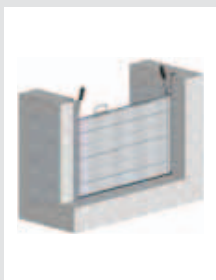
Flap Valve Type 6.4



Flap Valve Type  
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

## WEY® Butterfly & Check Valves and Trading Products – built to last

### 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

## ■ Flange drilling

EN1092

## ■ 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 EN588-1 series 13, 14 and 20, Centric, Eccentric, Triple off-set

## ■ 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

## SISTAG sets standards

### Real and highclass

- Real. Swiss design with own production facilities.
- Precise. State-of-the-art infrastructure and fully qualified specialists.
- Innovative. Defined customized valve engineering solutions.



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.



Inhouse quality assurance



In time processing



Quick customer service

**Headquarter** SISTAG AG  
Absperrtechnik  
CH-6274 Eschenbach LU  
Telefon ++41 41 449 99 44  
Telefax ++41 41 448 34 31  
info@sistag.ch  
www.sistag.ch

**Subsidiaries** SISTAG GmbH  
Absperrtechnik  
D-76461 Muggensturm  
Telefon ++49 7222 787 979 0  
Telefax ++49 7222 787 979 11  
info@sistag.de  
www.sistag.de

Wey Valve Inc.  
P.O. Box 387  
NETTLETON, MS 38858 U.S.A  
Telefon ++1 662 963 20 20  
Telefax ++1 662 963 20 25  
info@weyvalve.com  
www.weyvalve.com

**Representatives** Addresslist on request