

# METAL VALVES





## TECHNICAL ADVANTAGES

- 1/2" - 12" (DN25 - DN300) wafer type
- Standard and long stroke
- Various valve configurations
- Standard options of End users configuration  
(10000 Series, 15000 Series, 20000 Series, 30000 Series)
- 10000 - 20000 Series long stroke wafer type configuration
- 10000 Series wafer type
- Various valve configurations (3/4" to 12")
- Various wafer type sizes
- Various flow wafer type sizes
- 10000 Series wafer type (10000 Series)
- 10000 Series, 15000 Series

## 5000 SERIES

## PNEUMATIC ACTUATED WAFER TYPE BUTTERFLY VALVES



### ADVANTAGES

- Compact construction
- Available in wafer type
- Standard and long stroke
- Various valve configurations
- Standard options of End users configuration
- 10000 Series, 15000 Series, 20000 Series, 30000 Series
- 10000 Series wafer type
- Various valve configurations (3/4" to 12")
- Various wafer type sizes
- Various flow wafer type sizes
- 10000 Series wafer type (10000 Series)
- 10000 Series, 15000 Series

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**Abstract**

- [illegible]

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WAFER TYPE  
BUTTERFLY VALVES

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- **Stressors** are external factors that cause stress
- **Stressors** can be physical, chemical, or biological
- **Stressors** can be acute or chronic
- **Stressors** can be positive or negative
- **Stressors** can be controllable or uncontrollable

- | Allegations | Investigation | Allegations<br>under investigation | Investigation<br>concluded |
|-------------|---------------|------------------------------------|----------------------------|
| 1999-2000   | 2000-2001     | 2000-2001                          | 2001-2002                  |
| 2001-2002   | 2002-2003     | 2002-2003                          | 2003-2004                  |
| 2003-2004   | 2004-2005     | 2004-2005                          | 2005-2006                  |
| 2005-2006   | 2006-2007     | 2006-2007                          | 2007-2008                  |
| 2007-2008   | 2008-2009     | 2008-2009                          | 2009-2010                  |
| 2009-2010   | 2010-2011     | 2010-2011                          | 2011-2012                  |
| 2011-2012   | 2012-2013     | 2012-2013                          | 2013-2014                  |
| 2013-2014   | 2014-2015     | 2014-2015                          | 2015-2016                  |
| 2015-2016   | 2016-2017     | 2016-2017                          | 2017-2018                  |
| 2017-2018   | 2018-2019     | 2018-2019                          | 2019-2020                  |
| 2019-2020   | 2020-2021     | 2020-2021                          | 2021-2022                  |
| 2021-2022   | 2022-2023     | 2022-2023                          | 2023-2024                  |
| 2023-2024   | 2024-2025     | 2024-2025                          | 2025-2026                  |
| 2025-2026   | 2026-2027     | 2026-2027                          | 2027-2028                  |
| 2027-2028   | 2028-2029     | 2028-2029                          | 2029-2030                  |
| 2029-2030   | 2030-2031     | 2030-2031                          | 2031-2032                  |
| 2031-2032   | 2032-2033     | 2032-2033                          | 2033-2034                  |
| 2033-2034   | 2034-2035     | 2034-2035                          | 2035-2036                  |
| 2035-2036   | 2036-2037     | 2036-2037                          | 2037-2038                  |
| 2037-2038   | 2038-2039     | 2038-2039                          | 2039-2040                  |
| 2039-2040   | 2040-2041     | 2040-2041                          | 2041-2042                  |
| 2041-2042   | 2042-2043     | 2042-2043                          | 2043-2044                  |
| 2043-2044   | 2044-2045     | 2044-2045                          | 2045-2046                  |
| 2045-2046   | 2046-2047     | 2046-2047                          | 2047-2048                  |
| 2047-2048   | 2048-2049     | 2048-2049                          | 2049-2050                  |
| 2049-2050   | 2050-2051     | 2050-2051                          | 2051-2052                  |
| 2051-2052   | 2052-2053     | 2052-2053                          | 2053-2054                  |
| 2053-2054   | 2054-2055     | 2054-2055                          | 2055-2056                  |
| 2055-2056   | 2056-2057     | 2056-2057                          | 2057-2058                  |
| 2057-2058   | 2058-2059     | 2058-2059                          | 2059-2060                  |
| 2059-2060   | 2060-2061     | 2060-2061                          | 2061-2062                  |
| 2061-2062   | 2062-2063     | 2062-2063                          | 2063-2064                  |
| 2063-2064   | 2064-2065     | 2064-2065                          | 2065-2066                  |
| 2065-2066   | 2066-2067     | 2066-2067                          | 2067-2068                  |
| 2067-2068   | 2068-2069     | 2068-2069                          | 2069-2070                  |
| 2069-2070   | 2070-2071     | 2070-2071                          | 2071-2072                  |
| 2071-2072   | 2072-2073     | 2072-2073                          | 2073-2074                  |
| 2073-2074   | 2074-2075     | 2074-2075                          | 2075-2076                  |
| 2075-2076   | 2076-2077     | 2076-2077                          | 2077-2078                  |
| 2077-2078   | 2078-2079     | 2078-2079                          | 2079-2080                  |
| 2079-2080   | 2080-2081     | 2080-2081                          | 2081-2082                  |
| 2081-2082   | 2082-2083     | 2082-2083                          | 2083-2084                  |
| 2083-2084   | 2084-2085     | 2084-2085                          | 2085-2086                  |
| 2085-2086   | 2086-2087     | 2086-2087                          | 2087-2088                  |
| 2087-2088   | 2088-2089     | 2088-2089                          | 2089-2090                  |
| 2089-2090   | 2090-2091     | 2090-2091                          | 2091-2092                  |
| 2091-2092   | 2092-2093     | 2092-2093                          | 2093-2094                  |
| 2093-2094   | 2094-2095     | 2094-2095                          | 2095-2096                  |
| 2095-2096   | 2096-2097     | 2096-2097                          | 2097-2098                  |
| 2097-2098   | 2098-2099     | 2098-2099                          | 2099-2100                  |
| 2099-2100   | 2100-2101     | 2100-2101                          | 2101-2102                  |
| 2101-2102   | 2102-2103     | 2102-2103                          | 2103-2104                  |
| 2103-2104   | 2104-2105     | 2104-2105                          | 2105-2106                  |
| 2105-2106   | 2106-2107     | 2106-2107                          | 2107-2108                  |
| 2107-2108   | 2108-2109     | 2108-2109                          | 2109-2110                  |
| 2109-2110   | 2110-2111     | 2110-2111                          | 2111-2112                  |
| 2111-2112   | 2112-2113     | 2112-2113                          | 2113-2114                  |
| 2113-2114   | 2114-2115     | 2114-2115                          | 2115-2116                  |
| 2115-2116   | 2116-2117     | 2116-2117                          | 2117-2118                  |
| 2117-2118   | 2118-2119     | 2118-2119                          | 2119-2120                  |
| 2119-2120   | 2120-2121     | 2120-2121                          | 2121-2122                  |
| 2121-2122   | 2122-2123     | 2122-2123                          | 2123-2124                  |
| 2123-2124   | 2124-2125     | 2124-2125                          | 2125-2126                  |
| 2125-2126   | 2126-2127     | 2126-2127                          | 2127-2128                  |
| 2127-2128   | 2128-2129     | 2128-2129                          | 2129-2130                  |
| 2           |               |                                    |                            |



## TECHNICAL ADVANTAGES

- DN 100 - DN 1500 - 150000 mm (4" - 60")
- Butterfly type design (for  
  - horizontal installation)
- Standard design of 150 mm and above  
  (ISO5211 Class 150mm, ISO5211 Class 300, ISO5211 Class 450)
- ISO5211 - ISO5212 mounting bracket for mounting plate
- ISO5211 mounting to flange  
  - standard installation (top flange)
- Lower installation height
- 150 mm flange mounting
- ISO5212 mounting (bottom flange)
- ISO5211 - 30 series

## SV300 SERIES

## PNEUMATIC ACTUATED LUG TYPE BUTTERFLY VALVES



### ADVANTAGES

- Compact construction
- Quick setting in either closing  
  or opening position and long service  
  life (up to 100,000 cycles)
- Available in standard sizes  
  and special sizes for special use
- Easy to inspect and install with  
  standard tools

### STROKE STANDARD

Stroke Standard	Stroke Standard	Stroke Standard	Stroke
ISO 5211 Class 150mm (150mm)	ISO 5211 Class 300mm (300mm)	ISO 5211 Class 450mm (450mm)	ISO 5211 Class 600mm (600mm)
ISO 5211 Class 150mm (150mm)	ISO 5211 Class 300mm (300mm)	ISO 5211 Class 450mm (450mm)	ISO 5211 Class 600mm (600mm)
ISO 5211 Class 150mm (150mm)	ISO 5211 Class 300mm (300mm)	ISO 5211 Class 450mm (450mm)	ISO 5211 Class 600mm (600mm)
ISO 5211 Class 150mm (150mm)	ISO 5211 Class 300mm (300mm)	ISO 5211 Class 450mm (450mm)	ISO 5211 Class 600mm (600mm)





**Abstract**

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**WAFER TYPE  
 DOUBLE ECCENTRIC  
 HIGH PERFORMANCE  
 BUTTERFLY VALVES**



**Abstract**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

1. The first step is to identify the problem. This involves understanding the current situation and what needs to be changed.

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1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

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1. **Introduction**  
 2. **Background**  
 3. **Methodology**  
 4. **Results**  
 5. **Conclusion**  
 6. **References**

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1. *Journal of Management Education*, 2000, 24(1), 1-10.  
 2. *Journal of Management Education*, 2000, 24(1), 11-20.  
 3. *Journal of Management Education*, 2000, 24(1), 21-30.  
 4. *Journal of Management Education*, 2000, 24(1), 31-40.  
 5. *Journal of Management Education*, 2000, 24(1), 41-50.  
 6. *Journal of Management Education*, 2000, 24(1), 51-60.  
 7. *Journal of Management Education*, 2000, 24(1), 61-70.  
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 9. *Journal of Management Education*, 2000, 24(1), 81-90.  
 10. *Journal of Management Education*, 2000, 24(1), 91-100.

# SW371 SERIES

## LOG TYPE DOUBLE ECCENTRIC RING PERFORMANCE BUTTERFLY VALVES

### TECHNICAL ADVANTAGES

- 2" - 48" (50mm - 1200mm) face to face
- 150# and 300# flange and 150mm and 300mm end connections
- 150mm (6") (600mm) face to face  
150mm (6") (600mm) (flange to face) 150mm (6") (600mm) (flange to flange)
- 150mm (6") face to face 150mm (6") face to flange 150mm (6") face to flange
- 150mm (6") face to face 150mm (6") face to flange 150mm (6") face to flange
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- 150mm (6") face to face 150mm (6") face to flange 150mm (6") face to flange
- 150mm (6") face to face 150mm (6") face to flange 150mm (6") face to flange



### ACTUATOR FEATURES

- 150mm (6") face to face 150mm (6") face to flange 150mm (6") face to flange
- 150mm (6") face to face 150mm (6") face to flange 150mm (6") face to flange
- 150mm (6") face to face 150mm (6") face to flange 150mm (6") face to flange
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### OTHER FEATURES

- 150mm (6") face to face 150mm (6") face to flange 150mm (6") face to flange
- 150mm (6") face to face 150mm (6") face to flange 150mm (6") face to flange
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- 150mm (6") face to face 150mm (6") face to flange 150mm (6") face to flange



# SW340 SERIES

## HYGIENIC BUTTERFLY VALVES

### TECHNICAL ADVANTAGES

- 100 x 100 mm
- Stainless steel bodies
- 100% watertight, double seal, pressure double seal
- 100% stainless steel
- 100% stainless steel
- 100% stainless steel
- 100% stainless steel
- 100% stainless steel



### Electric Actuator

- 100% stainless steel
- 100% stainless steel

### 100% stainless steel

- 100% stainless steel
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### 100% stainless steel

- 100% stainless steel
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- 100% stainless steel
- 100% stainless steel

## TECHNICAL ADVANTAGES

- 1/2" - 1 1/2" sizes
- 1/2" and 3/4" NPT and 1" and 1 1/2" NPT
- 1/2" and 3/4" BSP and 1" and 1 1/2" BSP
- 1/2" and 3/4" NPT and 1" and 1 1/2" NPT
- 1/2" and 3/4" BSP and 1" and 1 1/2" BSP
- 1/2" and 3/4" NPT and 1" and 1 1/2" NPT
- 1/2" and 3/4" BSP and 1" and 1 1/2" BSP

## SV332 SERIES

# PNEUMATIC/ ELECTRICAL ACTUATED BRASS BALL VALVES



## ACTUATOR FEATURES

- 1/2" - 1 1/2" sizes
- 1/2" and 3/4" NPT and 1" and 1 1/2" NPT
- 1/2" and 3/4" BSP and 1" and 1 1/2" BSP
- 1/2" and 3/4" NPT and 1" and 1 1/2" NPT
- 1/2" and 3/4" BSP and 1" and 1 1/2" BSP
- 1/2" and 3/4" NPT and 1" and 1 1/2" NPT
- 1/2" and 3/4" BSP and 1" and 1 1/2" BSP

- 1/2" and 3/4" NPT and 1" and 1 1/2" NPT
- 1/2" and 3/4" BSP and 1" and 1 1/2" BSP
- 1/2" and 3/4" NPT and 1" and 1 1/2" NPT
- 1/2" and 3/4" BSP and 1" and 1 1/2" BSP
- 1/2" and 3/4" NPT and 1" and 1 1/2" NPT
- 1/2" and 3/4" BSP and 1" and 1 1/2" BSP
- 1/2" and 3/4" NPT and 1" and 1 1/2" NPT

## APPLICATIONS

- 1/2" and 3/4" NPT and 1" and 1 1/2" NPT
- 1/2" and 3/4" BSP and 1" and 1 1/2" BSP
- 1/2" and 3/4" NPT and 1" and 1 1/2" NPT
- 1/2" and 3/4" BSP and 1" and 1 1/2" BSP
- 1/2" and 3/4" NPT and 1" and 1 1/2" NPT
- 1/2" and 3/4" BSP and 1" and 1 1/2" BSP
- 1/2" and 3/4" NPT and 1" and 1 1/2" NPT

## SW212 SERIES

### TWO PCS THREADED END BALL VALVES

#### TECHNICAL ADVANTAGES

- 1/2" - 1" sizes
- 100% leak tight with pressure tested
- maintenance free
- all valves meet working pressure of 1500 psi (ball valve)
- all 100% leak tight with pressure tested



#### MATERIALS OFFERED

- 304/316 Stainless Steel
- 100% Leak Tight

#### CONNECTION TYPE

- 1/2" - 1" sizes
- 100% Leak Tight

#### APPLICATION AREA

- Industrial and Commercial
- Marine and Power
- Oil and Gas
- Water and Wastewater
- Chemical Processing
- Food and Beverage
- Pharmaceutical
- Agriculture

## TECHNICAL ADVANTAGES

- 1/2" - 4" sizes
- 1/2" and 3/4" ball flow body design
- 1/2" and 3/4" ball flow body design
- 1/2" and 3/4" ball flow body design
- 1/2" and 3/4" ball flow body design
- 1/2" and 3/4" ball flow body design
- 1/2" and 3/4" ball flow body design
- 1/2" and 3/4" ball flow body design

## SV323 SERIES

## PNEUMATIC ACTUATED THREADED END BALL VALVES



### OPTIONAL OPTIONS

- 1/2" and 3/4" ball flow body design
- 1/2" and 3/4" ball flow body design

### CONNECTION TYPE

- 1/2" and 3/4" ball flow body design
- 1/2" and 3/4" ball flow body design

### ACTUATOR FEATURES

- 1/2" and 3/4" ball flow body design
- 1/2" and 3/4" ball flow body design
- 1/2" and 3/4" ball flow body design
- 1/2" and 3/4" ball flow body design
- 1/2" and 3/4" ball flow body design
- 1/2" and 3/4" ball flow body design
- 1/2" and 3/4" ball flow body design
- 1/2" and 3/4" ball flow body design

## SW213 SERIES

# ELECTRICAL ACTUATED THREADED END BALL VALVES

## TECHNICAL ADVANTAGES

- 1/2" - 12" sizes
- 100% leak-tight shut-off capability
- 1/2" to 12" pressure class (pressure rating according to ANSI/ASME B16.34)
- 1/2" to 12" nominal pipe diameter
- 1/2" to 12" nominal bore
- 1/2" to 12" nominal pressure rating
- 1/2" to 12" nominal bore
- 1/2" to 12" nominal pressure rating
- 1/2" to 12" nominal bore



### MATERIALS SUPPLIED

- 1/2" to 12" sizes
- 1/2" to 12" nominal bore

### CONNECTION PORT

- 1/2" to 12" sizes
- 1/2" to 12" nominal bore

### ACTUATOR FEATURES

- 1/2" to 12" sizes
- 1/2" to 12" nominal bore
- 1/2" to 12" nominal pressure rating
- 1/2" to 12" nominal bore
- 1/2" to 12" nominal pressure rating



## TECHNICAL ADVANTAGES

- ISO 5211 / ISO 5212 series
- 100% cast steel ball body design
- 100% stainless steel wetted parts
- ISO 5211 ball and ISO 5212 ball design available
- 100% cast steel body
- 100% cast steel ball body
- 100% cast steel ball body
- 100% cast steel ball body

## SYDRA SERIES

## LEVER / PNEUMATIC ACTUATED MONOBLOCK TYPE BALL VALVES



### ACTUATION OPTIONS

- Manual operation
- Pneumatic operation

### CONNECTION TYPE

- Flange

### ACTUATION FEATURES

- 100% cast steel body
- 100% cast steel ball body
- 100% cast steel ball body
- 100% cast steel ball body
- 100% cast steel ball body
- 100% cast steel ball body
- 100% cast steel ball body
- 100% cast steel ball body

## SW214 SERIES

# ELECTRICAL ACTUATED MONOBLOCK TYPE BALL VALVES

### TECHNICAL ADVANTAGES

- ISO 5211-100/150 mm
- 100/150 mm ball body / 100/150 mm flange
- 100/150 mm ball body / 100/150 mm flange
- 100/150 mm ball body / 100/150 mm flange
- 100/150 mm ball body / 100/150 mm flange
- 100/150 mm ball body / 100/150 mm flange
- 100/150 mm ball body / 100/150 mm flange
- 100/150 mm ball body / 100/150 mm flange



### OPTIONAL EQUIPMENT

- 100/150 mm ball body / 100/150 mm flange
- 100/150 mm ball body / 100/150 mm flange

### CONNECTION TYPE

- 100/150 mm

### ACTUATOR FEATURES

- 100/150 mm ball body / 100/150 mm flange
- 100/150 mm ball body / 100/150 mm flange
- 100/150 mm ball body / 100/150 mm flange
- 100/150 mm ball body / 100/150 mm flange

## TECHNICAL ADVANTAGES

- ISO 5211 (DIN 5211) lever
- with optional self-actuating design
- 100% leakage-free operation
- ISO 5211 self-actuating design available
- with pneumatic actuator (PNEU) (ball valve only)
- ISO 5211 (DIN 5211) lever
- ISO 5211 (DIN 5211) lever

## SYDJS SERIES

### LEVER / PNEUMATIC ACTUATED TWO PIECES TYPE FLANGED BALL VALVES



#### OPTIONAL EQUIPMENT

- self-actuating design
- pneumatic actuator

#### Connection Port

- Flange

#### ACTUATION METHOD

- manual operation
- pneumatic actuator
- 100% leakage-free operation
- 100% leakage-free operation
- 100% leakage-free operation
- 100% leakage-free operation
- 100% leakage-free operation
- 100% leakage-free operation

## SW215 SERIES

# ELECTRICAL ACTUATED TWO PIECES TYPE FLANGED BALL VALVES

### TECHNICAL ADVANTAGES

- ISO 5211 - D10000 Series
- 100% leak tight, both with and without torque
- 100% leakage rate even under extreme conditions
- ISO 5211 design: mounting and dismounting is easy and fast
- 100% tested and approved according to PED and CE marking
- 100% compliance with all relevant standards



### OPTIONAL OPTIONS

- 100% tested and approved
- 100% tested and approved

### APPLICATIONS

- 100% tested and approved
- 100% tested and approved
- 100% tested and approved
- 100% tested and approved
- 100% tested and approved
- 100% tested and approved

### ACTUATOR FEATURES

- 100% tested and approved
- 100% tested and approved
- 100% tested and approved
- 100% tested and approved
- 100% tested and approved
- 100% tested and approved

## TECHNICAL ADVANTAGES

- 1/2" - 1 1/2" sizes
- 100% stainless steel construction
- 100% stainless steel body and ball
- 100% stainless steel actuator
- 100% stainless steel trim
- 100% stainless steel trim
- 100% stainless steel trim

## SV213 / 234 SERIES

## LEVER / PNEUMATIC ACTUATED THREE WAYS BALL VALVES



### OPTIONAL FEATURES

- 100% stainless steel
- 100% stainless steel

### APPLICATIONS

- 100% stainless steel
- 100% stainless steel
- 100% stainless steel
- 100% stainless steel
- 100% stainless steel
- 100% stainless steel
- 100% stainless steel

### ADVANTAGES

- 100% stainless steel
- 100% stainless steel
- 100% stainless steel
- 100% stainless steel
- 100% stainless steel
- 100% stainless steel
- 100% stainless steel

## SW253 / SW34 SERIES

# ELECTRICAL ACTUATED THREE WAYS BALL VALVES

## TECHNICAL ADVANTAGES

• 100% leak tight with actuator design  
• 100% leak tight switching alternative  
• 100% leak tight assembly process (no weld)

• 40 bar and 100 bar versions  
• 100% stainless steel

• 100% approved before shipment  
• 100% tested



### MATERIALS SUPPLIED

- 100% stainless steel
- 100% stainless steel

### CONNECTION TYPE

- 100% tested

### ALL TESTED PER SERIES

- 100% tested before shipment
- 100% tested before shipment
- 100% tested before shipment
- 100% tested before shipment

## TECHNICAL ADVANTAGES

- DN15 - DN400 connection
- Low pressure loss design
- Low maintenance and repair costs (flexible installation)
- Low pressure loss (light weight plate and ball seat)
- ISO 9001
- ISO 14001 and ISO 45001 certified plant
- 100% test and inspection according to pressure conditions

## SYN57 SERIES

## DUAL PLATE CHECK VALVES



### STEEL STANDARD

- Body: Stainless Steel  
(304/316)
- Body: Cast Steel  
(GG25)

### APPLICATIONS

- Water and Wastewater industry
- Petrochemical industry
- Pulp and Paper industry
- Food

### CONNECTION

- Flange Connection

## SW950 SERIES

# WAFLR TYPF MANUAL KNIFE GATE VALVES

## TECHNICAL ADVANTAGES

- DN150 - 1200mm diameter
- Flange face-to-face for convenient installation
- Full bore valve operation
- Heavy duty cast iron body with cast steel gate
- Flange conforming to ISO 5167 (ISO 5167, ISO 5168, ISO 5169)
- Flange face-to-face conforming to ISO 5167
- ISO 5167 approved valve design
- ISO 5167 certified



## ADVANTAGES

- Reducing the volume of the valve with installation convenience
- Suitable material for its application (strong, performance, security, compact structure for small to big design in design)
- Material that has been tested in the water and tested in testing
- After the installation in the water
- After the installation in the water
- After the installation in the water

## APPLICATION AREA

- Water and wastewater treatment
- Industrial process (chemical, food, paper, etc.)
- Mining industry
- Chemical industry
- Water supply



## TECHNICAL ADVANTAGES

- ISO 5211 mounting
- Two position actuation (on/off) or three position (on/off/stop)
- Operating pressure (PN) 16 bar (160 psi)  
(ISO 5211 10 bar (100 psi) version, PN10)
- Operating temperature (T<sub>max</sub>) 120 °C (250 °F) (PN10)
- ISO 5211 version

## SYN50 SERIES

# PNEUMATIC ACTUATED WAFER TYPE KNIFE GATE VALVES



### ADVANTAGES

- Reducing the volume of the knife with:
  - tapered knife design
  - double knife seal on applications
  - flexible seal material selection
- Design to reduce the footprint of the knife gate valve
- Superior flow characteristics with low differential pressure

### APPLICATION AREAS

- Flow control and isolation
- High purity applications and hygiene applications
- Chemical transfer
- Solid line applications

### ACTUATOR FEATURES

- Compact and robust
- Maintenance-free design
- Spring return provides single action operation or double action with solenoid reversing flow
- Equipped with ISO 5211 for easy mounting of top mounted valve actuators
- Valves in stock



**Abstract**

- **2000-2002** *University*
- **2003-2004** *University*
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- **2007-2008** *University*
- **2009-2010** *University*
- **2011-2012** *University*
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## OTHER TOPICS

## SLUICE GATE VALVES



- offering the services of domestic administrative services;
- providing assistance in establishing and conducting foreign economic relations between the company in question and other companies;
- offering other services in connection with domestic activities relating to the company in question.

- **Management**
- **Marketing**
- **Finance**
- **Operations**
- **Human Resources**
- **Information Systems**
- **Legal**
- **Environmental**

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## TECHNICAL ADVANTAGES

- ISO 5165 / ISO 5166 series
- Cast iron and Stainless Steel body options
- One and two piece design for easy handling and inspection
- Compact frame design
- ISO 5165/5166, Flangeless, Flanged or Hydraulic Endless end connections

## SYNTH SERIES

## MANUAL / PNEUMATIC ACTUATED PINCH VALVES



### STANDARD MATERIALS

- Cast iron body  
ISO 5165  
ISO 5166
- Cast iron and Steel  
ISO 5165 / ISO 5166

### ACTUATOR FEATURES

- Manual actuator only
- Electric actuator or solenoid actuator  
Flangeless model available in stainless steel
- 1/2" and 1" NPT or 1" and 1.5" DN  
Available in stainless steel
- All Synthes pinch valves are made  
in Belgium, Europe

### APPLICATION AREAS

- Agriculture and Horticulture water supply
- Chemical industry
- Food and packaging and hygiene
- Pharmaceutical
- Water supply
- Chemical waste
- Water treatment systems
- Paper and pulp industry