KNIFE GATE VALVES

These compact and lightweight valves control fluids for paper pulp,chemicals,fiber or the like. Featuring high corrosion resistance and high abrasion resistance,they have an extremely long service life.

336J

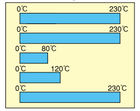
ALL STAINLESS
KNIFE GATE VALVES

Max. service pressure :
1.0 MPa (10 bar)

Nominal size :
50 mm to 600 mm
(2 in to 24 in)

Materials :
Body : SCS14,13
Plate : SUS316,304
Seat : SUS316
SUS304
CR
EPDM
PTFE

Service temperature :



Flange standards :
JIS 5K, 10K ASME 125Lb,150Lb etc.

Applications :
Paper pulp,Chemicals,Fiber,Granules,Sewage disposal. etc.

NEO-PINCH VALVES

Durable,easy-to-maintain,and compact,these valves feature unique rubber sleeves for flexible control of solid-laden fluide

704

Max. service pressure :
0.3 MPa
(3 bar)

Nominal size :
25 mm to 100 mm
(1 in to 4 in)

Materials :
Body : FC250
Seat : CR

Service temperature :
-10℃ 80℃

Flange standards :
JIS 10K

Applications :
Sludge,Oreslurry,Cement,Powder, Pulp & paper. etc.

PATENTED

703

Max. service pressure :
0.3 MPa
(3 bar)

Nominal size :
125 mm to 200 mm
(5 in to 8 in)

Materials :
Body : FC250
Flange : SS400+SUS304
Seat : CR,NR

Service temperature :
-10℃ 80℃

Flange standards :
JIS 10K

Applications :
Sludge,Oreslurry,Cement,Powder, Pulp & paper. etc.

702

Max. service pressure :
0.3 MPa
(3 bar)

Nominal size :
25 mm to 350 mm
(1 in to 14 in)

Materials :
Body : FC250
Seat : CR,NR

Service temperature :
-10℃ 80℃

Flange standards :
JIS 10K

Applications :
Sludge,Oreslurry,Cement,Powder, Pulp & paper. etc.

The service pressure varies depending on the actual fluid pressure.
Please check the detailed catalog for it.

Business Licenses & Registered Approvals

Approved by:		Model Designation
NK	NIPPON KAIJI KYOKAI	612X,615X,606K,5422,602A
LR	LLOYD'S REGISTER OF SHIPPING	612X,615X,606K,606F,622H
DNVGL	DET NORSKE VERITAS	612X,615X,606K,5421,5422,5423

Approved by:		Model Designation
ABS	AMERICAN BUREAU OF SHIPPING	We will get the approval of each orders upon requests. The charges are not inculuded in our standard price.
BV	BUREAU VERITAS	
CR	CHINA CORPORATION REGISTER OF SHIPPING	
CSS	CHINA CLASSIFICATION SOCIETY	
KR	KOREAN REGISTER OF SHIPPING	
JG	–	

JAB CM007
ISO 9001 97OR-078

in regard to the butterfly valves knife gate valves,our company is registered and qualified for ISO9001,the international quality assurance standard.

Warranty Period Our products are guaranteed for either a period of 18 months from shipment out of our factory or 12 months from trial operation, whichever is the shorter.

- Valve body design is different from valve sizes.
- Detail description is subject to change without prior notice.

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CAT-PRO-AIJH-JA-E-EI

Product Guide

OKUMURA ENGINEERING corp.

Full Line-up Ranging from General Purpose Valves to Advanced Electronic Control Valves

RUBBER SEATED BUTTERFLY VALVES

The unique "touch-seat" design offers leaktight shut-off and low seating torque for any sort of fluid.

602A

CONDENSATION RESISTANT
ALMI DICAST BODY
BUTTERFLY VALVES

Max. service pressure :
1.0 MPa (10 bar)
Nominal size :
40 mm to 300 mm
(1.5 in to 12 in)
Materials :
Body : ADC12
Disk : SCS14
Seatring : EPDM
NBR

Service temperature :
0℃ 120℃
0℃ 70℃

Flange standards :
JIS 5K, 10K ASME 125Lb,150Lb etc.
Applications :
Air-conditioning systems. General industries. etc.

Qualified by Japan Fire Protection Equipment and Safety Center

PATENTED

612X/615X

1.0MPa
BUTTERFLY VALVES

Max. service pressure :
1.0 MPa (10 bar)
Nominal size :
〔612X〕40 mm to 300 mm
(1.5 in to 12 in)
〔615X〕350 mm to 1200 mm
(14 in to 48 in)
Materials :
Body : FCD450, FC250
Disk : SCS14,13, CAC701
TUNGSTEN CARBIDE COATING
Seatring : NBR
EPDM
POLYRETHANE

Service temperature :
0℃ 70℃
0℃ 120℃
0℃ 90℃

Flange standards :
JIS 5K, 10K ASME 125Lb,150Lb etc.
Applications :
General industries, Air-conditioning systems,Marine. etc.

616/618H

1.0MPa/1.6MPa
BUTTERFLY VALVES

The photo shows model 618H-G

Max. service pressure :
〔616 H〕1.0 MPa (10 bar)
〔618 H〕1.6 MPa (16 bar)
Nominal size :
〔616 H〕50mm to 300mm
(2 in to 12 in)
〔618 H〕350mm to 600mm
(14 in to 24 in)
Materials :
Body : FCD450
Disk : SCS13
Seatring : EPDM
NBR

Service temperature :
0℃ 120℃
0℃ 70℃

Flange standards :
JIS 5K, 10K PIN 10, 16 ASME 125Lb, 150Lb
Applications :
Construction Equipment, Higt-Rise Buildings, General industries. etc.

PATENTED

603A

ALMI DICAST BODY
BUTTERFLY VALVES

Max. service pressure :
1.0 MPa (10 bar)
Nominal size :
40 mm to 300 mm
(1.5 in to 12 in)
Materials :
Body : ADC12
Disk : PPS, SCS14
Seatring : EPDM
NBR

Service temperature :
0℃ 120℃
0℃ 70℃

Flange standards :
JIS 5K, 10K ASME 125Lb,150Lb etc.
Applications :
Water Treatment Plant, General industries. etc.

PATENTED

606K/606F

FLANGE TYPE
BUTTERFLY VALVES

Max. service pressure :
1.0 MPa (10 bar)
Nominal size :
〔606K〕50 mm to 300 mm
(2 in to 12 in)
〔606F〕350 mm to 1500 mm
(14 in to 60 in)
Materials :
Body : SCPH2, FCD450
Disk : SCS14,13
Seatring : NBR
EPDM

Service temperature :
0℃ 70℃
0℃ 120℃

Flange standards :
JIS 5K, 10K etc.
Applications :
Marine. General industries, Air-conditioning systems. etc.

622H

2.0MPa
BUTTERFLY VALVES

Max. service pressure :
2.0 MPa (20 bar)
Nominal size :
50 mm to 600 mm
(2 in to 24 in)
Materials :
Body : FCD450
Disk : SCS13
Seatring : EPDM
NBR

Service temperature :
0℃ 120℃
0℃ 70℃

Flange standards :
JIS 5K, 10K PIN 10, 16, 20 ASME 125Lb,150Lb etc.
Applications :
Construction Equipment, Higt-Rise Buildings, General industries. etc.

Qualified by Japan Fire Protection Equipment and Safety Center

PATENTED

PTFE-Lining BUTTERFLY VALVES

637N/635N

PTFE-Lining
BUTTERFLY VALVES

Max. service pressure:
1.0MPa (10 bar) (fluid)
0.25MPa(2.5bar)(gas)
Nominal size:
637N : 50 A to 300 A
635N : 350 A to 600 A
Body : SCPH2
Disc : PFA+SCPH2
Disc : PFA+SS
Seatring : PTFE

Service temperature :
-20℃ 150℃

Flange standards :
JIS 10K ASME 125Lb, 150Lb
Applications :
Chemicals,Foodstuffs,Phamaceuticals,Gases,Solvents. etc.

DN

ELECTRONIC
CONTROL TYPE
BUTTERFLY VALVES

Max. service pressure :
1.0 MPa (10 bar)
1.6 MPa (16 bar)
2.0 MPa (20 bar)
Nominal size :
1.0 MPa (50 to 450A)
1.6 MPa (50 to 400A)
2.0 MPa (50 to 350A)
Materials :
Body : FCD450
Disk : SCS13,14
Seatring : EPDM

Service temperature :
0℃ 120℃

Flange standards :
JIS 5K, 10K ASME 125Lb,150Lb
Applications :
Intellgentair-conditioning systems. etc.

PATENTED

HIGH-PERFORMANCE BUTTERFLY VALVES

These valves feature unique self-seating seat rings and assure complete shut-off. Made for applications under severe conditions,these valves provide excellent control characteristics when handling difficult fluids.

5410 Series

1.0MPa
BUTTERFLY VALVES

Max. service pressure :
1.0 MPa (10 bar)
Nominal size :
50 mm to 300 mm
(2 in to 12 in)
Materials :
Body : SCS13A,14A,16A
Disk : SCS13A,14A,16A
Seatring : 〔541R〕 FKM
EPDM
〔541T〕 PTFE
R-PTFE
〔541M〕 SUS316

Service temperature :
-10℃ 150℃
-20℃ 120℃
-29℃ 230℃
-29℃ 230℃
-29℃ 232℃

Flange standards :
JIS 5K, 10K etc.
Applications :
Crued oil,Chemicals,Steam,Acid,Gases. etc.

PATENTED

5420 Series

2.0MPa
BUTTERFLY VALVES

Max. service pressure :
2.0 MPa (20 bar)
Nominal size :
50 mm to 1000 mm
(2 in to 40 in)
Materials :
Body : SCS13,14
Disk : SCS13,14
Seatring : 〔5421〕 FKM
EPDM
〔5422〕 PTFE
R-PTFE
〔5423〕 SUS316

Service temperature :
-10℃ 150℃
-20℃ 120℃
-29℃ 230℃
-29℃ 230℃
-29℃ 232℃

Flange standards :
JIS 10K, 16K, 20K ASME 125Lb,150Lb etc.
Applications :
Crued oil,Chemicals,Steam,Acid,Gases. etc.

Qualified by Japan Fire Protection Equipment and Safety Center

PATENTED

5452

5.0MPa
BUTTERFLY VALVES

Max. service pressure :
5.0 MPa (50 bar)
Nominal size :
80 mm to 450 mm
(3 in to 18 in)
Materials :
Body : SCS13
Disk : SCS13
Seatring : R-PTFE

Service temperature :
-20℃ 230℃

Flange standards :
JIS 16K, 20K,30K etc.
Applications :
Crued oil,Chemicals,Steam,Acid,Gases. etc.

Qualified by Japan Fire Protection Equipment and Safety Center

CHECK VALVES

110Z・111S 120Z・121S

Max. service pressure :
〔110Z・111S〕1.4MPa (14 bar)
〔120Z・121S〕2.8MPa (28 bar)
Nominal size :
〔110Z・111S〕50mm to 300mm (2 in to 12 in)
〔120Z・121S〕50mm to 600mm (2 in to 24 in)

The photo shows model 110Z

Materials :	with bypass valve		without bypass valve	
	110Z	120Z	111S	121S
Body	FCD450			
Disc	SCS13A			
Seat Ring	EPDM		NBR	
	Service temperature 0℃----------120℃		Service temperature 0℃----------70℃	
Flange standards :	JIS 10K	JIS 16K, 20K	JIS 10K	JIS 16K, 20K

Applications : Crued Oil, Chemicals, Steam, Acid, Gases, etc.

Qualified by Japan Fire Protection Equipment and Safety Center

The service pressure varies depending on the actual fluid pressure.
Please check the detailed catalog for it.