

Butterfly valves

Application

Products

commonly used in petrochemical, fertilizer, power plants, oil fields and building industry

Technical norms

The length of the structure: GB12221-89

Connecting criteria: JB79, GB9113

Driven manner: manual, pneumatic, electric and test

pressure valve

Main technical performance

Rubber variety
code name

Capacity
of bearing high temperature (?)

Capacity
of bearing low temperature (?)

Natural
rubber NR

80

-50

Butadiene
styrene rubber IIR

100

-40

Butadiene-
acrylonitrile rubber NBR

100

-20

Chloroprene
rubber CR

80

0

B-C rubber
EPT

125/160

-40

Silastic SI

200/250

-70/-100

Fluorine
rubber FPM

250

-15

Chlorine
alcohol rubber

CIIR

100

-45

CHC

100

-45

Nominal
diameter

DN(mm)

50~1200

Nominal
pressure PN

(MPa/mbar/Torr)

1.0/10⁴

/0.75*10⁴

1.6/1.6*10⁴

/1.2*10⁴

1.6/1.6*10⁴

/1.2*10⁴

2.5/2.5*10⁴

/1.9*10⁴

Strength
test pressure

ps(MPa/mbar/Torr)

Coating
body

1.5/1.5*10 4

/1.1*104

2.4/2.4*10 4

/1.8*10 4

2.4/2.4*10 4

/1.8*10 4

3.75/3.75*10 4

/2.82*10 4

Sealed

1.1/1.1*10 4

/0.82*10 4

1.76/1.76*10 4

/1.32*10 4

1.76/1.76*10 4

/1.32*10 4

2.75/2.75*10 4

/2.07*10 4

Operation
temperature (?)

-46~135

According to choose rubber identification temperature (reference table below)

Application
medium

Freshwater,
sewage, sea-water, air, steam, food, medicine, various oils, acids, alkalis,
salts

Part name

Valves' body

Valves' seat

Butterfly board

Valves' axes

Bush

D71X-10, D71X-16, D71X-16C, D71X-25Q

Grey cast iron,

Ductile-iron, aluminum-alloy, cast-steel,

Stainless- steel

Butadiene acrylonitrile-rubber,

BC-rubber, chloroprene-rubber, fluorine-rubber, Silastic

Ductile-iron (chromium-plating), aluminum- alloy,

Copper-alloy, stainless -steel

stainless steel, aluminum nickel

Copper alloy of casting aluminum, bronze, teflon