

# Valves



**PT. BESTINDO PUTRA MANDIRI**



# Products



Gate Valves

Butterfly Valves

Non Return Valves

Air Valves

Globe Valves

Diaphragm Valves

Ball Valves

Diaphragm Valves

Needle Valves

## Brand



# Served Market



Water



Gas



Mining



Pharmaceutical



Pulp And Paper



Wastewater



Power Plant



Power Plant



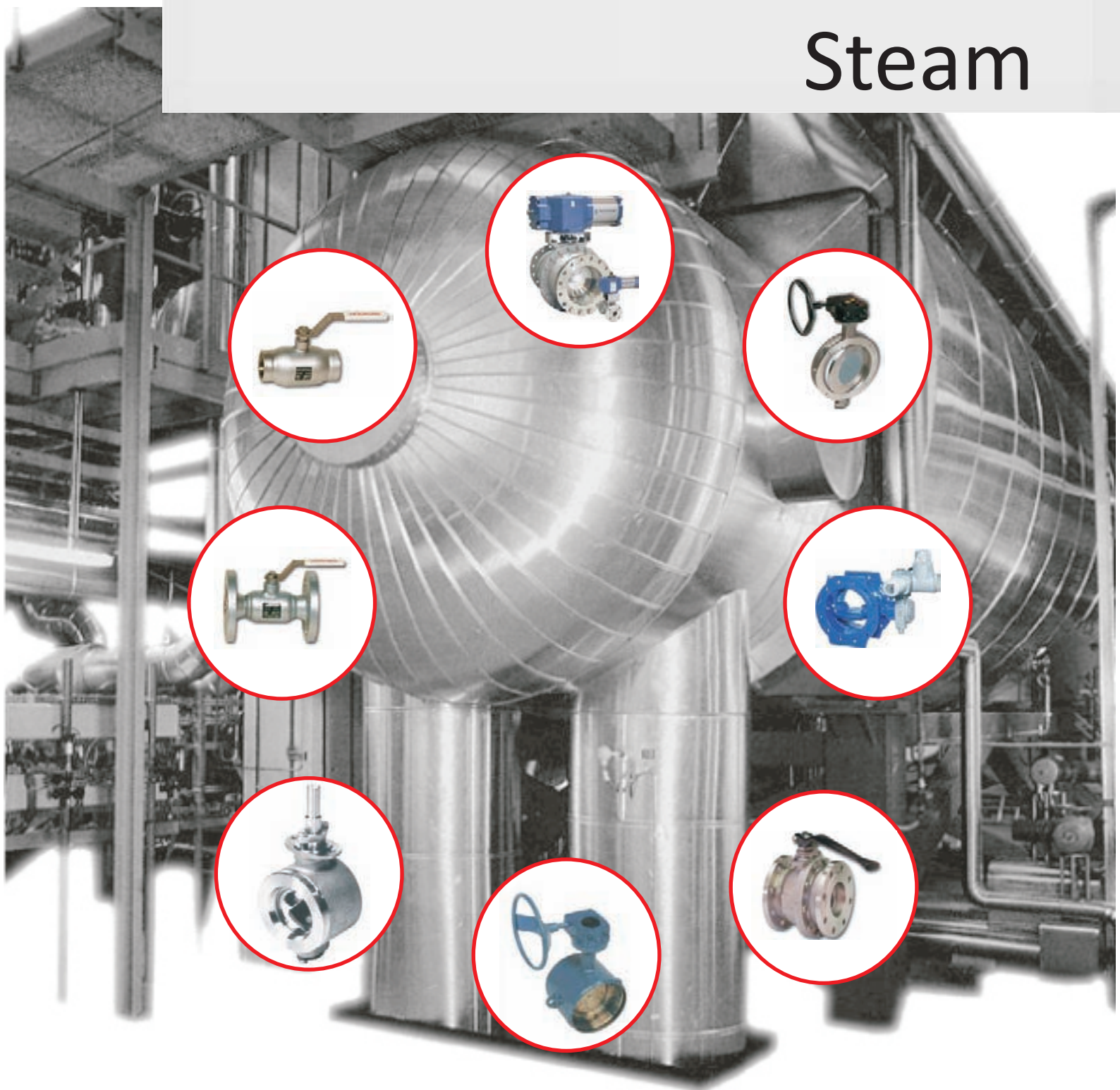
Ship Building



Ship Building



# Steam



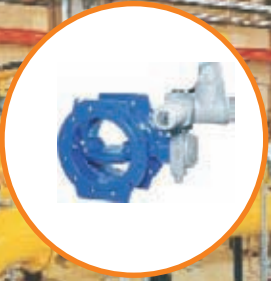


# Wastewater





# Gas





# Water



## GATE VALVES



■ Water  Gas  Steam

## Metallic Sealing

PN 6/10 - DN 40...300

### Product features

Metallic sealing acc. to EN 1171  
Inside or outside stem screw  
Adjustable stem seal  
Face-to-face length acc. to EN 558-1, basic series 14 (DIN 3202, F4)

### Materials and corrosion protection

Body, wedge and bonnet or yoke bonnet of cast iron EN-JL 1040 (GG-25)  
Body- and wedge- seat rings of stainless steel  
Inside and outside synthetic resin varnish coating  
Outside additional synthetic resin varnish finish

### Applications:

Water Treatment Plant, Sea Water, Hot Water, Pump Station, Cooling Tower, Water Transmission, Gas Transmission



## GATE VALVES



■ Water ■ Gas  Steam

## METALIC SEALING

PN 10/16/25 - DN 40...500

### Product features

resilient seated, acc. to EN 1171  
Face-to-face length acc. to EN 558-1, basic series 14 and 15 (DIN 3202, F4 and F5)  
Delivery inspection acc. to EN 12266 (DIN 3230 part 4)  
Low torque thanks to plastic sliding block on the wedge

### Materials and corrosion protection

Body, wedge and bonnet of ductile cast iron EN - JS 1030 (GGG-40)  
Wedge vulcanized all over with EPDM  
Spindle made of 13%chrome steel  
Spindle nut made of brass  
Inside and outside epoxy coating acc. to GSK  
Elastomers approved acc. to KTW and W 270  
Approved and registered by DVGW

### Applications:

Water Treatment Plant, **Wastewater, Sewage**, Pump Station, Cooling Tower, Water Transmission, Gas Transmission





## MONO Knife Gate Valve

PN 10/6 - DN 50...600

### Product features

Single-piece monoblock body completely enclosing the knife  
External, non-rising stem screw  
Wafer type, for installation between pipe flanges acc. to EN 1092/PN 10  
Face-to-face length acc. to EN 558-1, up to DN 125: basic series 16 (DIN 202/K3), from DN 150 on:  
basic series 20 (DIN 3202/K1)

### Materials and corrosion protection

Body of ductile cast iron EN-JS 1030 (GGG-40)  
Knife of steel 1.4301 or 1.4571  
Inside and outside epoxy coating

## Knife Gate Valves



■ Water  Gas  Steam



### Applications:

Water Treatment Plant, Wastewater, Sewage , Cooling Tower

## ZETA Knife Gate Valve

PN 10/8/6 - DN 50...600

### Product features

Full-flange design, both as wafer type and for pipeline end installation, without additional counter flange at full differential pressure  
Any installation length  
Flange dimensions acc. to DIN EN 1092-2 / PN 10  
Face-to-face length acc. to EN 558-1 series 20  
Solid full-flange design, body screws outside of the flange gasket edges, unrestricted passage free of rinsing edges  
Leakproof in both flowing directions

### Materials and corrosion protection

Body parts, support panel and thrust pieces of cast iron EN-JL 1040 (GG-25)  
Knife of 1.4301  
U-shaped bracket seal and lateral seal of elastomer (NBR)  
Body parts of stainless steel sheets (> DN 300 R-St with EP-P coating or R-St galvanised)  
Stem of 1.4021, nut of brass  
Inside and outside epoxy coating

## Knife Gate Valves



■ Water  Gas  Steam



### Applications:

Water Treatment Plant, Wastewater, Sewage , Cooling Tower

## Butterfly Valves



Water
  Gas
  Steam

## Double Flange

PN 6,10,16,25  
DN 150...2400

### Product features

Double offset design  
 Soft sealing  
 With mounted irreversible gear unit  
 Face-to-face length acc. to EN 558-1, basic series 14 (DIN 3202, F4)

### Materials

Body and disk of ductile cast iron EN-JS 1030 (GGG-40)  
 Disk shaft of stainless steel  
 Body seating Ni surfaced nickel welded seat  
 Body inside and outside and disk epoxy coating  
 Approved and registered by DVGW  
 Seating in EPDM- rubber

### Corrosion protection Option

Enamel, Epoxy or Rubber Lined

### Applications:

Water Treatment Plant, Sea Water ,Dam, Hydropower Plant, Pump Station, Cooling Tower, Water Trasmition, Gas Trasmision

## Butterfly Valves



Water
  Gas
  Steam

## Wafer Or Lug Type

PN 10 - DN 40...800  
PN 16 - DN 40...600

### Product features

Centric bearing of disk  
 Wafer type, for installation between pipe flanges acc. to EN 1092  
 PN 10/16 and ANSI B 16.5 class 150  
 Soft sealing due to elastomer-lining vulcanised into the body  
 Standard design with free shaft extension  
 Face-to-face length acc. to EN 558-1, basic series 20 (DIN 3202, K1)

### Materials and corrosion protection

Body of ductile cast iron EN-JS 1030 (GGG-40)  
 Disk of austenitic stainless steel (1.4308)  
 Shaft extension of stainless steel (1.4006)  
 Sealing-lining, vulcanised into the body, of EPDM

**Operation options:** by mounted hand-lever, worm gear unit, electric or pneumatic drive

### Applications:

Water Treatment Plant, Sea Water ,Blower and Compressed Air, Pump Station, Cooling Tower, Water Trasmition



## MONO Knife Gate Valve

VAG RETO STOP Non-return Valve

PN 10/16 - DN 40...300

### Product features

Soft sealing rubber flap  
nearly free flow passage  
Face-to-face length acc. to EN 558-1, basic series 48 (DIN 3202, F6)

### Materials and corrosion protection

Body of cast iron EN-JL 1040 (GG-25)  
Flap of cast iron with nodular graphite EN-JS 1030 (GGG-40)  
Flap all around EPDM vulcanised  
Inside and outside epoxy coating

## Non Return Valves



- Water
- Gas
- Steam



**Applications:**  
Water Treatment Plant, Wastewater Plant, Pump Station,

## RSK Swing Check Valve

PN 10/16 - DN 40...250

### Product features

Metallic or soft sealing  
Face-to-face length acc. to EN 558-1, basic series 48 (DIN 3202, F6)

### Materials and corrosion protection

Body and disk of cast iron EN-JL 1040 (GG-25)  
Soft sealing design: Inside and outside epoxy coating - type AL  
Metallic sealing design: Inside and outside synthetic resin varnish coating - type AL or IL

## Non Return Valves



- Water
- Gas
- Steam



**Applications:**  
Water Treatment ,Wastewater , Pump Station,

## Non Return Valves



- Water
- Gas
- Steam

## SKR Slanted Seat Tilting Disk Check Valve

PN 10/16 - DN 200...1000

### Product features

Metallic sealing, corrosion and wear resistant sealing surfaces  
Face-to-face length acc. to EN 558-1, basic series 14 (DIN 3202, F4)

### Materials and corrosion protection

Body and disk of ductile cast iron EN-JS 1030 (GGG-40)  
Shaft of stainless steel 1.4021  
Bearing bush of zincfree bronze  
Sealing surfaces Ni surfaced and microfinished  
Inside and outside double epoxy coating

### Advantages

reduced by approx. 30% and gives a shorter closing time to **avoid water hammer**

### Applications:

Water supply, pumping stations, power stations and industry



## Non Return Valves



- Water
- Gas
- Steam

## TOP-STOP Non-return Valve with

PN 10/16 - DN 40...400

### Product features

Folding diaphragm closes quickly and silently at reversing flow direction  
Installation in any position possible  
No mechanically moved parts  
Face-to-face length acc. to EN 558-1, basic series 48 (DIN 3202, F6)

### Materials and corrosion protection

Body of cast iron EN-JL 1040 (GG-25)  
Flow guide of cast iron EN-JL 1040 (GG-25)  
Inside and outside epoxy coating

### Advantages

Diaphragm closes quick and silent



### Applications:

Water supply, pump station and industry (not for sewage)







<p><b>TWINJET Automatic Air Valve</b></p> <p>PN 10/16/25 - DN 50...200</p> <p><b>Product features</b> Compact double chamber air valve, directly operated by the flow medium Two separated venting cross-sections: - Large orifice for venting great amounts of air when starting-up or closing-down pipeline systems - Small orifice for venting small amounts of air during operation under full inner pressure</p> <p><b>Materials and corrosion protection</b> Body cover of ductile cast iron EN-JS 1030 (GGG-40) Floater of plastic material Inside and outside epoxy coating</p>	<h2>Air Valves</h2>  <ul style="list-style-type: none"><li><input checked="" type="checkbox"/> Water</li><li><input type="checkbox"/> Gas</li><li><input type="checkbox"/> Steam</li></ul>
	<p><b>Applications:</b> Water Treatment ,Wastewater , Pump Station,</p>

<p><b>BEV-E Air Venting Valve</b></p> <p>PN 16/25 - DN 25 / female thread G 3/4", G 1", G 1 1/4"</p> <p><b>Product features</b> Single chamber air valve, directly operated by the flow medium Venting small amounts of air in domestic water supply pipelines during operation To be screwed onto the pipeline</p> <p><b>Materials and corrosion protection</b> Body lower and upper part of ductile iron EN-JS 1030 (GGG-40) Floater of plastic material Inside and outside epoxy coating</p>	<h2>Air Valves</h2>  <p>Water Gas Steam</p>
	<p><b>Applications:</b> Water Treatment ,Wastewater , Pump Station,</p>



	<b>DUOJET</b>
<h2 style="text-align: center;">Air Valves</h2>  <ul style="list-style-type: none"><li><input checked="" type="checkbox"/> Water</li><li><input type="checkbox"/> Gas</li><li><input type="checkbox"/> Steam</li></ul>	<p>PN 10/16/25 - DN 50...200</p> <p><b>Product features</b> Single chamber air valve, directly operated by the flow medium Compact design, few components Two venting functions: - Large venting cross-section for venting big amounts of air when starting-up or closing-down pipeline systems - Small venting cross-section for venting small amounts of air during operation under full inner pressure High venting capacity up to sonic velocity due to stabilised floating element</p> <p><b>Materials and corrosion protection</b> Body and cover of ductile cast iron EN-JS 1030 (GGG-40) All inner parts, as floater, shell, etc. of stainless steel Inside and outside epoxy coating</p>
<p><b>Applications:</b> Water Treatment ,Wastewater , Pump Station,</p>	

## RIKO® Plunger Valve

### VAG

PN 10...40 - DN 150...500

#### Product features

- Flow-through valve with rotationally symmetric jet guidance
- One piece design of body
- Annular flow cross section in any position
- Replaceable regulating insertion sets
- Linear regulating characteristic
- Piston guides of bronze, sea water resistant

#### Materials and corrosion protection

- Body of ductile cast iron EN-JS 1030 (GGG-40)
- DN 150...400: Inside and outside epoxy coating

## Control Valves



#### Applications:

Water Supply ,Power Sation, Industries,

## KSS Hollow Jet Discharge

PN 16 - DN 400...2200

#### Product features

- Flow-through valve with rotationally symmetric flow guidance
- Installation at pipe end
- Annular flow cross section in any position
- Outflow control by cylindrical sleeve gate
- Special face-to-face length
- With venting jacket for chamber Installation

#### Materials and corrosion protection

- Body of welded steel
- Seat ring and cylinder of austenitic stainless steel
- Cylindrical sleeve gate of welded steel
- Inside and outside epoxy coating

## Control Valves



#### Applications:

Hydroelectric power stations, dam reservoirs, drinking water reservoirs, storage lakes

## Control Valves



## Pressure Reducing Valve

VAG Automatic control valves  
PN 16 - DN 50...600

### Product features

Control valve, flow-through design  
Hydraulic operated main valve with control circuit  
Pilot valve in the control circuit  
Reaction speeds adjustable by control device  
Including manometer for operation start  
Flange connection acc. to ISO 7005 PN 10/16 (EN 1092-2)  
Face-to-face length acc. to EN 558, series 1

### Materials and corrosion protection

#### Main valve:

Body, bonnet and diaphragm fixing washer of ductile cast iron  
EN-JS 1030

Bonnet bearing of bronze

Valve seating, guiding rod, spring, screws and nuts of stainless steel

Valve gaskets and diaphragm of NBR

#### Control circuit:

- Control valve
- Body of bronze
- Cover of stainless steel
- Rubber parts of NBR
- Pipes of stainless steel
- Fittings of brass
- Strainer of brass
- Control device of stainless steel

Inside and outside epoxy coating

### Applications:

For regulating purposes, as throttling device for great pressure differences and adequate counter pressure





## VAG ERI® Sluice Gate

PN 0,4 - DN 200x200...1000x1000  
PN 0,3 - DN 1200x1200...1600x1600

### Product features

Leak-proof on both sides up to 4 m (13.1 ft) WC, much more than required by DIN 19569, Part 4, German standard for waste water

### Compact design

- Easy and quick installation with only few anchors
- Instantly ready for operation

### Self-sustaining frame design

No recess work required, therefore no labour nor material costs for casing, casting and cleaning

### Materials and corrosion protection

All parts of stainless steel 1.4301, optional of 1.4571  
Driving parts of stainless steel / bronze, waste water resistant  
Gasket of EPDM, waste water resistant, optional of NBR

## Sluice Gate Valves



### Applications:

Hydroelectric power stations, dam reservoirs, drinking water reservoirs, storage lakes



## EROX®-Sluice Gate

PN 0,6 - DN 150...2000

### Product features

Leak-proof on both sides up to 6 m (19.6 ft) WC following EN 12266-2, table A-5, leakage rate C  
German standard for drinking water

### Compact design

- Easy and quick installation with only few anchors
- Instantly ready for operation

### Self-sustaining frame design

No recess work required

Completely rubber coated gaskets for sealing of circular orifices

- gaskets replaceable without dismantling of frame or gate

Minimised opening and closing forces due to PTFE sliding surfaces

### Materials and corrosion protection

All parts of stainless steel 1.4301, optional of 1.4571  
Driving parts of stainless steel / bronze, waste water resistant  
Gasket of EPDM, waste water resistant, optional of NBR  
All parts of stainless steel bath pickled and passivated

## Sluice Gate Valves



### Applications:

Water Treatment Plant, High water protection, Chemical industry, Communal and industrial use and waste water plants

# Hydrant

## VAG Standpost Hydrant NOVA 150



PN 16 - DN 150

Design type AU and AFU acc. to DIN 3222  
safety interlock of the main valve assembly  
industrial standpost hydrant with a high flow-through  
performance classification

Materials and corrosion protection

Upper and lower column of ductil cast iron EN-JS 1050 (GGG-50)  
form AU with split upper column: hydrant head made of  
corrosion resistant aluminium alloy (outside with additional light-  
and chalking-fast powder coating RAL 3000)

## VAG NOVA 284 Standpost Hydrant



PN 16 - DN 80 / 100

Materials and corrosion protection

Upper and lower column of ductile cast iron EN-JS 1050 (GGG-50)

Head (AUD) and cover (AFUD) of aluminium alloy  
Valve cone of EN-JS 1050 (GGG-50), EPDM vulcanised  
Bonnet and couplings size A / B of aluminium alloy  
Inside true enamel, outside prime enamel, epoxy coating  
Colour: RAL 3000 / flame red  
Elastomers approved acc. to W 270

## VAG NOVA 284 Standpost Hydrant with drop jacket



PN 16 - DN 100

Upper and lower column of ductile cast iron EN-JS 1050 (GGG-50)

Cover (AFUD) of aluminium alloy  
Valve cone of EN-JS 1050 (GGG-50), EPDM vulcanised  
Bonnet and couplings size A / B of aluminium alloy  
Inside true enamel, outside prime enamel, epoxy coating  
Colour: RAL 3000 / flame red  
Elastomers approved acc. to W 270  
Approved and registered by DVGW

## VAG NOVA NIRO Standpost Hydrant



PN 16 - DN 80 / 100

Design type AUD acc. to DIN 3222  
DN 100 optional without A extraction  
Safety lock of the inner function unit  
Upper column completely of corrosion resistant  
materials (maintenance-free)  
Automatic draining and pressure water protection  
Free orientation of the hydrant  
Upper column of stainless steel  
Head and bonnet of corrosion and seawater resistant  
aluminium alloy  
Lower column inside true enamel, outside prime  
enamel, epoxy coating  
Elastomers approved acc. to W 270

### Applications:

Industries park, houses complexes, Commercial Building, Air port, hotel



## 31500 Butterfly valve with flanges of carbon steel

PN 25 DN 200 - 1200  
Nominal pressure 25 bar  
Closing pressure max 16 bar  
Tightness class ISO 5208, EN 12266-1, RATE B  
Temperature  
max +260 °C / min -40 °C (DN200 - 1000)  
max +260 °C / min -20 °C (Dn1200)

The max pressure difference depends on the working temperature.

### Design

The body of the butterfly valve with flanges is carbon steel. The double eccentric disc and shafts are made of stainless steel. Replaceable seat ring is also stainless steel. The shaft packing box is a combination of graphite rings and O-rings which are possible to tighten and are also replaceable.

The butterfly valve is delivered with a bare shaft or with an actuator.

You can choose either bare shaft, manual gear, electrical, pneumatic or hydraulic actuator.

Face-to-face length: EN 558-1 series 14

Connection between flanges: PN 25, PN 16 and PN 10 ANSI CLASS 150

Nominal sizes DN 200 - 1200

## Carbon Steel Butterfly Valves



### Applications:

Power stations, Pulp And Paper, drinking water , Boiler Water

## Stainless Steel Butterfly Valves



### 411 Butterfly valve of stainless steel DN 80 - 700

Butterfly valve 41000 is an on-off and control valve for demanding industrial pipelines. The valve is tight to both directions of flow.

Nominal pressure PN 25

Closing pressure difference CS 20 bar

TS 25 bar

Disc seal alternatives Metall, PTFE

Temperature and tightness class

Metall max +260°C/ min -40°C

ISO 5208, EN 12266-1 RATE B

PTFE max +180°C/ min -40°C

ISO 5208, EN 12266-1 RATE A

The body of this wafer type butterfly valve is made of stainless steel. The double eccentric disc and stem are of stainless steel as well. Stem seals are tightable graphite seals and O-rings.

Face-to-face length according to ISO 5752, EN 558-1 series 20 DIN 3202 K1

Connection: Between flanges SFS 2123 = DIN

2 5 0 1 PN 25, PN 16, PN 10 ANSI CLASS 150.

Conform with the requirements of the Council Directive

97/23/EC on Pressure Equipment, marking:

Class: Gas, group 1

Nominal dimensions: CS DN 80 - 700

TS DN 80 - 600

Materials

Body: Stainless steel ASTM A351 CF8M

Flange: Stainless steel ASTM A351 CF8M, EN 10028-7 1.4436

Disc: Stainless steel EN 10213-4 1.4408, ASTM A351 CF8M

Shaft: Stainless steel EN 10088-3 1.4460

Disc seal: Stainless steel AISI 316/ PTFE+C

Shaft seal: Graphite/ EPDM or Graphite/ FPM

#### Applications:

Industries, Pulp & paper industry, Shipping - shipbuilding industry, Exhaust valves, Chemical industry, Offshore, Sugar industry, Bio fuel industry, Pharmaceutical industry  
Nuclear - Heating - Water





## Metal- Rubber Sealed

Pressure classes PN10 - 25 (DN80 - 400) PN10 - 50 (DN25 - 50)

### Product features

Full cylindrical bore for maximum capacity  
Hard chrome plated ball as standard. HiCo-coated as an option  
Seats in PTFE 53 or HiCo (High Cobalt alloy)  
Spring loaded sets for good tightness at low differential pressure  
Complete range of actuators and accessories for manual operation, on/off or control applications.

### Materials Option

Body : SS 2345-12 , 1.4409 or SS 2343-12(hard Chromed)  
Ball : 1.4460 (hard Chromed), 1.4460(Hi Co Coated(Hi cobalt Alloy))  
Seat : HiCo (High Cobalt Alloy), PTFE (10% Carbon)  
Shaft : 1.4460, 1.4460 (hard Chromed), 1.4435 (hard Chromed)

### Field of application

## Stainless Steel Ball Valves



- Water
- Gas
- Steam



### Applications:

Power stations, Pulp And Paper, drinking water , Boiler Water

## STAINLESS STEEL Y-STRAINER



FM414



FM404



### FM404

¼" - 3"

- Investment casting body
- Maximum pressure 800 PSI  
Maximum working temperature 230°C  
The end-to-end length conforms to
- Din 3202, Part 4, M8 series (PN16, PN40)  
Threaded ends conform to ANSI B 2.1, BS 21, DIN 259/2999, ISO228

### FM414

½" - 10"

- Flanged ends conform to
- JIS 10K / 150LBS
- Full port design  
Carbon Steel / Stainless Steel  
Also available in Cast Iron

## STAINLESS STEEL CHECK VALVE



Class 200 Swing Check Valve



Piston Check Valve



1-PC Wafer Disc Check Valve



Dual Plate Wafer Style Check Valve

### FM407

¼" - 2"

- Investment casting body and cap
- PN40 rating
- Maximum working temperature 230°C
- The end-to-end length conforms to  
Din 3202, Part 4, M8 series (PN40)
- Threaded ends conform to ANSI B 2.1, BS 21, DIN 259/2999, ISO228

### FM403

¼" - 2"

- Full port pressure temperature rating  
200 PSI/ W.O.G 350°F S.P.
- Threaded ends conform to  
ANSI B 2.1, BS 21, DIN 259/2999, ISO228
- Stainless steel class 200  
screwed cap, swing type disc  
and integral seat

### FM406

½" - 4"

- Body in ASTM A351-CF8M
- Trim in AISI 316
- DISC in ASTM-A351-CF8M

1½" - 24"

- Flanges: Investment Casting
- Size: DN40-DN600
- Pressure: DIN DN16/25/40
- Standard: DIN.ANSI JIS
- Material: ASTM-A351 CF8M/CF8
- Body & Plate: ASTM-A351 CF8M/CF8  
Seat: NBR.EPDM.VITON. Metal to Metal

## STAINLESS STEEL CHECK VALVE

### FM408

½" - 4"

3-PC Wafer Disc Check Valve  
Investment Casting

PN40

### RSK

2" - 8"

JIS10K / 150LBS

PN16

### FM413

½" - 12"

Face to Face Dimensions: JIS B2002 / ANSI B16.10

End Flange Dimensions: JIS B2210 / ANSI B16.5RF

Design: ANSI B16.34 / API603

Testing: API598

JIS10K / 150LBS / 300LBS

Carbon Steel / Stainless Steel

Also available in Cast Iron



3-PC Wafer Check Valve / RSK



Swing Check Valve Flanged End

## Ball Valve

### FM103, FM202, FM203, FM301

Pipe threaded in accordance with

- ANSI B2.1, BS21 1973
- DIN 259/2999, ISO 228 (NPT, BSP)
- ASTM A351-CF8M, SUS 316
- ASTM-A351-CF8, SUS 304
- ASTM A216- WCB, Carbon Steel

### FM211

- 2 pc flanged ball valve
- Full Port ANSI B 16.5 Class 150
- ASTM A351-CF8M, SUS 316
- ASTM A351-CF8, SUS 304
- ASTM A216- WCB, Carbon Steel



FM103  
¼" - 2"  
1000 PSI  
Reduced Bore



FM301  
¼" - 4"  
1000 PSI, Full Bore  
(Butt Weld / Socket Weld)



FM202      FM203  
¼" - 4"      ¼" - 3"  
1000 PSI      2000 PSI  
Full Bore      Full Bore



FM211  
2" - 12"

## Gate Valves



### FM401

Class 200 Gate Valve ½" - 2"

- Full port pressure temperature rating 200 PSI/ W.O.G 350°F S.P.
- Threaded ends conform to ANSI B 2.1, BS 21, DIN 259/2999, ISO228
- Stainless steel class 200 inside screw and screwed bonnet, wedge disc integral seat, non-rising stem and handwheel.

### FM411

½" - 12"

- Face to Face Dimensions: JIS B2002 / ANSI B16.10
- End Flange Dimensions: JIS B2210 / ANSI B16.5RF
- Design: ANSI B16.34 / API603
- Testing: API598
- JIS10K / 150LBS / 300LBS Carbon Steel / Stainless Steel

### FM411

½" - 12"

- Face to Face Dimensions: JIS B2002 / ANSI B16.10
- End Flange Dimensions: JIS B2210 / ANSI B16.5RF
- Design: ANSI B16.34 / API603
- Testing: API598
- JIS10K / 150LBS / 300LBS Carbon Steel / Stainless Steel

## Globe Valves



### FM402

Class 200 Globe Valve ¼" - 2"

- Full port pressure temperature rating 200 PSI/ W.O.G 350°F S.P.
- Threaded ends conform to ANSI B 2.1, BS 21, DIN 259/2999, ISO228
- Stainless steel class 200 inside screw and screwed bonnet, swivel disc integral seat, rising stem and handwheel.

### FM412

½" - 12"

- Face to Face Dimensions: JIS B2002 / ANSI B16.10
- End Flange Dimensions: JIS B2210 / ANSI B16.5RF
- Design: ANSI B16.34 / API603
- Testing: API598
- JIS10K / 150LBS / 300LBS Carbon Steel / Stainless Steel

### FM412

½" - 12"

- Face to Face Dimensions: JIS B2002 / ANSI B16.10
- End Flange Dimensions: JIS B2210 / ANSI B16.5RF
- Design: ANSI B16.34 / API603
- Testing: API598
- JIS10K / 150LBS / 300LBS Carbon Steel / Stainless Steel



## Needle Valve

FM409

1/4" - 1"

- Carbon Steel / Stainless Steel
- Investment Casting
- Screwed-In Bonnet
- Rising Stem
- T Handle Operation
- Connecting Threads: ANSI B2.1 / BS21 / Din
- Working Pressure: 6000PSI / 10 000PSI



## Shut-Off Valve

FM405

1/4" - 2"

- Investment casting body
- PN40
- Maximum working temperature 230°C
- The end-to-end length conforms to Din 3202, Part 4, M8 series. (PN40)
- Threaded ends conform to ANSI B 2.1, BS 21, DIN 259/2999, ISO228



# PNEUMATIC ACTUATOR



The actuator design has taken into consideration mounting pad connections conforming to the latest international standards for easy and direct assemblage onto valves and ancillaries. completes its service with customized mounting kits and adaptors.

Actuatech Actuator pads interface with a wide range of Instrumentation and Control systems, Switches, Positioners and BUS protocols for delivering high speed communication for industrial automation and control.



**Visual indicator**



**3/2 solenoid valve**



**Visual indicator big size**



**Proximity limit switch**



**Namur single solenoid valve**



**Namur Doublee solenoid valve**



**Switch box with optical indicator (aluminium body)**



**Switch box with optical indicator (pastic body)**



**Namur explosion proof solenoid valve**



**Electro pneumatic positioner**



**Pneumatic positioner**



**Manual gear box with handwheel**



**Proximity limit switch and namur solenoid valve , with bus protocol**

# ELECTRIC ACTUATOR



**Multi-turn actuator with control**  
torque from 10 to 1000 Nm  
output speed from 4 to 180 rpm



**Multi-turn actuator**  
torque from 10 to 32000 Nm  
output speed from 4 to 180 rpm



**Parti-turn actuator**  
torque from 25 to 500 Nm  
Operating Time for 90o from 4 to 90s



**Linier thrust unit with Multi-turn actuator with control**  
Thrusts From 4kN to 217kN  
output speed from 20 to 360 rpm



**Spur GearBox**  
torque up to 16000 Nm



**Parti-turn actuator**  
torque from 100 to 1200 Nm  
Operating Time for 90o from 4 to 180s



**Worm Gear with base and lever**  
Torque up to 32000 Nm

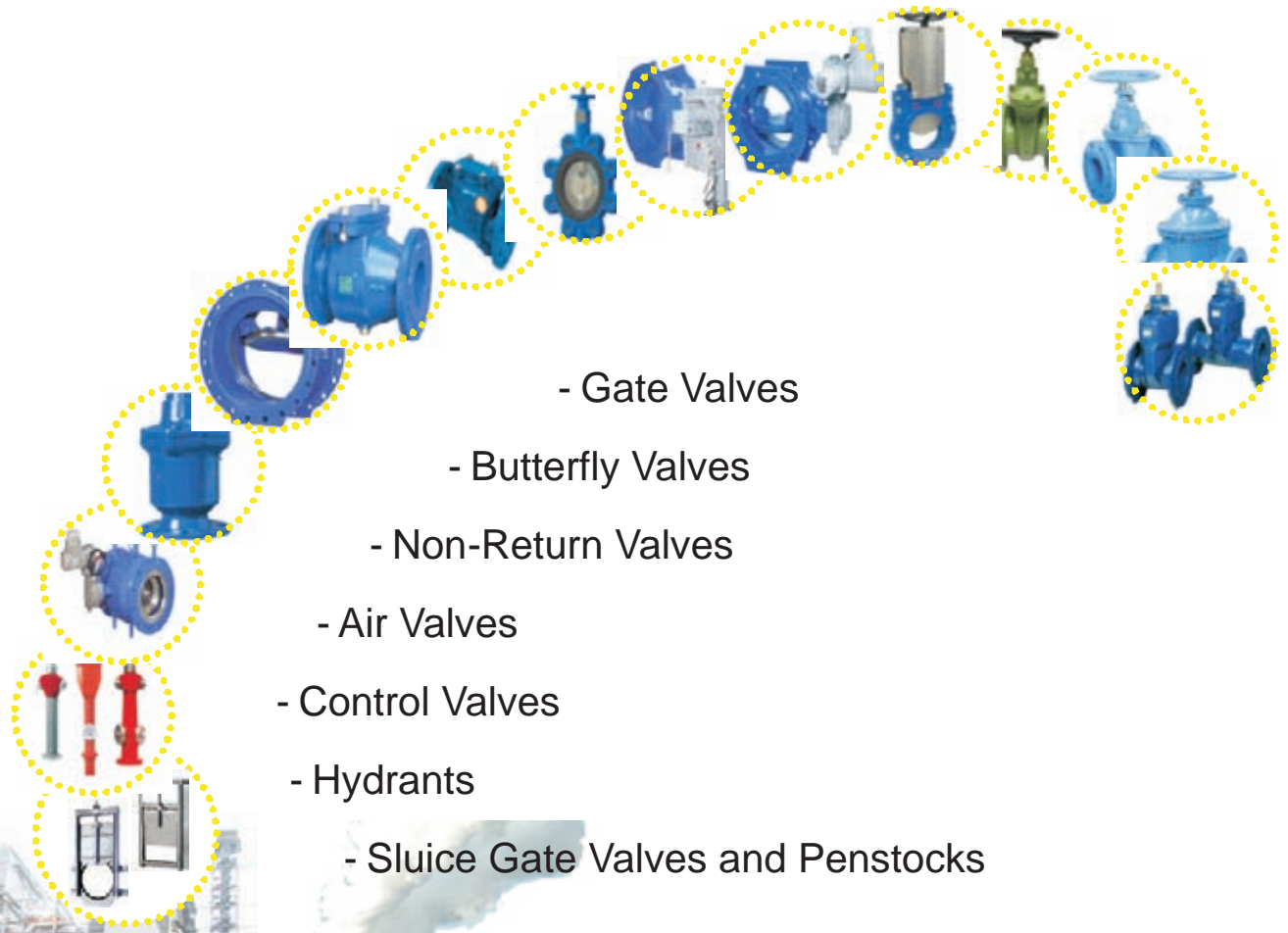


**Worm Gear**  
Torque up to 360 000 Nm



**Bevel Gear**  
Torque up to 16 000 Nm

# Power Plant Application



- Gate Valves

- Butterfly Valves

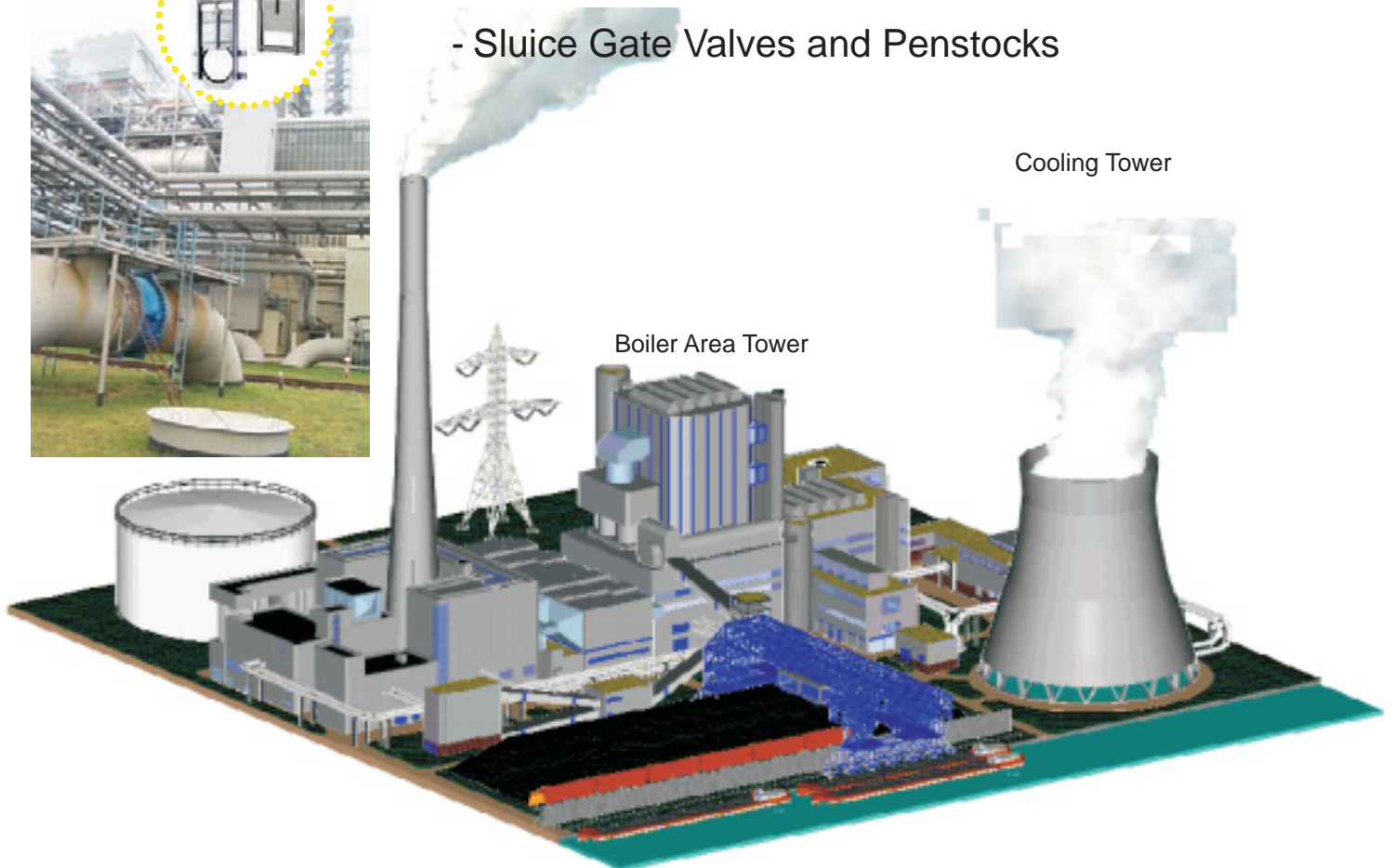
- Non-Return Valves

- Air Valves

- Control Valves

- Hydrants

- Sluice Gate Valves and Penstocks



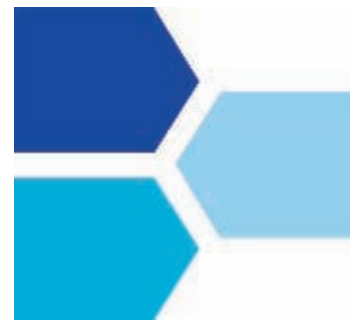
Cooling Tower

Boiler Area Tower



- National Capital
- Provincial Capital
- Town
- ★ Bestindo's Office
- Bestindo's Project





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